Simple Control Home and Simple Control System

Home Automation and Universal Remote

User Guide

Version 4.5
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Version Information

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Limitations

The information in this document may change at any time. It may include technical inaccuracies or typographical errors.

Table of Contents

Introduction

This User Guide describes Simple Control Home and Simple Control System Automation and Universal Remote, which creates a virtual universal remote control for your home automation and home theater devices.

This Introduction includes:

About Simple Control Home and Simple Control System

Simple Control Home and Simple Control System both let you create a customized virtual remote on your iOS device. The difference between the two is that Simple Control Home is downloaded from the Apple App Store, while Simple Control System is set up by a reseller.

Throughout the rest of this document, Simple Control Home and Simple Control System will be referred to as Simple Control.

Note: Simple Control Legacy and Simple Control One are different products with different feature sets. They are not described in this document.

A Simple Control Solution

A complete Simple Control solution is made up of multiple components:

- **Simple Control client**. Purchase and download from the App Store or set up by a reseller. Supports three devices. Lets you control your home automation and home theater devices.
- **Simple Service subscription.** In-app purchase. All Simple Service subscriptions provide personalized television, media, and DVR guides, add clock display and alarms, support triggers, provide backup and restore of Simple Control configurations, and more.

  Subscription levels are available: **Simple Service 3** supports up to three additional devices, **Simple Service 20** supports up to 20 additional devices, and **Simple Service 100** supports up to 100 additional devices.
- **Simple Hub**. All Simple Hub platforms support synchronization and configuration management, background triggers and activities, remote access, and SmartThings and Amazon Echo integration.

Simple Hub is available on these platforms: iOS, Mac, Apple TV, and appliance.

All Simple Hub platforms require a Simple Hub License that can be purchased in-app or from the Simple Control store.

- **Simple Multihome.** Lets you manage Simple Control configurations at multiple locations.

  Simple Multihome requires a Simple Multihome License that can be purchased in-app or from the Simple Control store (store.simplecontrol.com).

- **Simple Blaster**. A Simple Control store (store.simplecontrol.com) purchase, required for certain configurations. Gets infrared and serial devices onto your local network. Wi-Fi, Ethernet, and Power over Ethernet versions are available. Purchase of a Simple Blaster adds one additional device to your device count.

Technical Specifications

Technical specifications for Simple Control include:

- Apple iPad, iPhone, or iPod Touch running iOS 9.3 or above to host the required client, with an active Apple ID account.
- TCP/IP network, with Wi-Fi enabled and Internet access. Devices can access the network through either a Wi-Fi or an Ethernet connection. Internet access is *required* during setup.
- A Simple Control account
- Home theater and home automation devices controllable by the Simple Control client. Control is achieved via:
  - **Direct IP control**. Many modern home automation devices can connect directly to your home network. If they are supported devices, no additional hardware is needed for the client to control them.
  - **Infrared control**. Many home automation devices use infrared for control. Infrared control is accomplished using a Simple Blaster.
  - **Serial control**. Some home automation devices use a serial (RS-232) connection for control. Serial control is accomplished using a Simple Blaster.

Upgrading from Previous Versions

Version 4.5 of the Simple Control product line includes multiple, significant enhancements. If you are upgrading from a previous version, please be aware of the following:

- **Simple Control Home** is a new product. It is recommended as the primary entry point for home and do-it-yourself users. It includes significant new features. If you are upgrading from an older version of Simple Control, Simple Control Home is your upgrade path.
- **Simple Control System** was previously called Simple System. It is the client for customers of integrators/resellers. It includes significant new features.

- **Simple Hub** has been updated to Version 4.5 and is now available on four platforms: Mac (formerly Simple Sync for OS X), Apple TV (a new product), iOS (new in Simple Control Version 4.5), and appliance.

IMPORTANT: All Simple Control clients and Simple Hub instances in your environment ***must*** be upgraded to Version 4.5 with this release. Version 4.5 of Simple Control is not compatible with older versions of Simple Hub or Simple Sync, and Version 4.5 of Simple Hub is not compatible with older versions of the Simple Control client. Simple Control recommends upgrading to Version 4.5 of all Simple Control and Simple Hub instances in your environment at the same time.

- **Simple Hub version numbers** have been changed to match the version numbers of the Simple Control client.
- **Simple Control Legacy** is the new name for versions of the client through Version 4.3. If you do not wish to upgrade to Simple Control Version 4.5, use Simple Control Legacy. It is compatible with the new version of Simple Hub, but it does not include any new features.

IMPORTANT: Simple Service subscriptions purchased in Simple Control Legacy remain active in Simple Control Version 4.5.

Simple Control Legacy is recommended if you require iOS 8 support or you must remain on iOS 9 due to the removal of iPad 2, iPad 3, iPad Mini, and iPod Touch 5 from iOS 10.

AUDIENCE

This User Guide is for all users of Simple Control.

We expect that you are familiar with:

- using your iOS device
- basic networking concepts
- setting up and configuring the devices you want to control

ADDITIONAL RESOURCES

Additional resources for Simple Control include:

- Simple Control Knowledge Base: Answers many common questions.
- Simple Control Support: Lets you submit a support request.
- Simple Control documentation: Includes documentation for many products.

1 Software Installation

This chapter describes how to install the Simple Control client onto your iOS device.

This chapter includes:

About the Client

The Simple Control client is purchased and downloaded from the App Store. It supports up to three devices, but no guides.

You can purchase support for additional devices via a Simple Service subscription at store.simplecontrol.com or in-app at **Settings > Simple Store**.

IMPORTANT: Be sure to create a Simple Control account at https://store.simplecontrol.com/index.php/customer/account/login/ ***before*** making a purchase, as your Simple Control purchases are linked to your Simple Control account.

Technical Requirements

Technical requirements for the client include:

- Apple iPad, iPhone, or iPod Touch running iOS 9.3 or greater to host the app, with an active Apple ID account
- TCP/IP network, with Wi-Fi enabled and Internet access. Devices can access the network through either a Wi-Fi or an Ethernet connection. Internet access is *required* during setup.

IMPORTANT: All Simple Control clients and Simple Hub instances in your environment ***must*** be upgraded to Version 4.5 with this release.

INSTALLATION

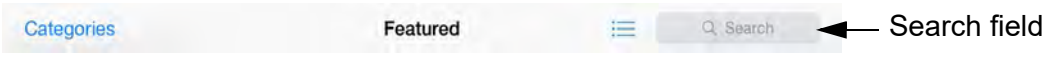
Simple Control recommends always using the latest version of the Simple Control Home client.

To purchase and install the Simple Control Home client on your iOS device:

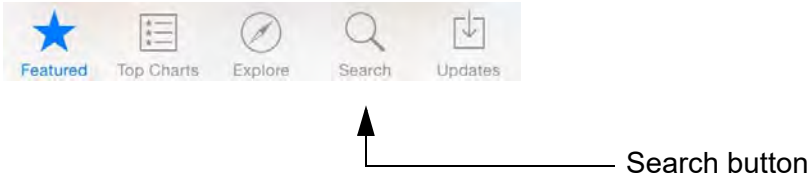
1. Tap the App Store icon on your iOS device.

   The App Store opens.

2. If you are using an iPad, tap in the **Search** field in the upper right corner.



   If you are using an iPhone or iPod Touch, tap the **Search** button, then tap in the **Search** field at the top of the screen.



3. Type **Simple Control Home** using the keyboard that appears, then tap **Search**.

NOTE: If **Simple Control Home** appears in the list of suggestions as you are typing, tap it.

4. Tap **Simple Control Home** in the search results.
5. Purchase and install the Simple Control Home client.

2 Hardware Setup

This chapter describes how to determine if you need additional hardware for your Simple Control configuration and how to set it up.

This chapter includes:

Overview

To determine if you need additional hardware, you need to know how your devices are controlled by Simple Control.

Note: Be sure to look up the brands and models of your devices on the Device Compatibility page of the Simple Control website, which has tabs for IP, infrared, and serial compatible devices. You can confirm the device is supported, and, in some cases, find additional information about the device, including support for live feedback.

There are three ways to control a device using Simple Control, two of which require additional hardware:

- **Network (IP) controlled.** If a device connects directly to your network (supported versions of Apple TV, for example), no additional hardware is needed for Simple Control to control it.
- **Infrared controlled.** If a device is controlled via infrared, you will need to purchase and install a Simple Blaster and an appropriate cable so that Simple Control can control it.
- **Serial controlled.** If a device is controlled via a serial connection, you will need to purchase and install a Simple Blaster and a Simple Cable - Serial.

Determining Your Hardware Needs

Determining your hardware needs depends on how your device is controlled.

IP Control

If a device you want Simple Control to control is IP controlled, then no additional hardware is needed.

Configure your IP controllable devices for your network per the manufacturer's instructions. Once configured, they can be controlled by Simple Control.

Infrared Control

If a device you want Simple Control to control is infrared controlled, then you will need to purchase and install a Simple Blaster and an appropriate cable.

Refer to Appendix A, Simple Blasters, for more information about Simple Blasters. Refer to Appendix B, Cables, for more information about Simple Control cables.

Determining how many Simple Blasters and what cables you need to support your infrared-controlled devices depends on the number of devices you need to support and their locations.

In many cases, purchasing a Simple Blaster Complete product (Wi-Fi or Ethernet) covers all of the devices in a single room.

All Simple Blaster Complete products include a Simple Blaster and a Simple Cable - Complete.

NOTE: The following suggestions are general in nature. Each situation is unique, so if your situation calls for a different solution, make the appropriate choice.

The decisions you have to make include:

- **Should I purchase the Wi-Fi or Ethernet version of the Simple Blaster Complete?**

  This depends on whether or not there is an accessible Ethernet port in the room. If so, get the Ethernet version. If not, get the Wi-Fi version.

  The Ethernet version comes in standard power and Power over Ethernet (PoE) versions.

- **What cables do I need?**

  The first cable you should consider is the Simple Cable - Complete, which comes with all Simple Blaster Complete products. It has two emitters and one blaster. Each emitter sits over the infrared receiver of the device and supports one device. The blaster can support multiple devices, as long as the devices are within ~25 feet and in clear line of sight of the blaster. A single Simple Cable - Complete can control all of the devices in a single room in many cases.

  If you require more or different cables for your configuration, visit the Simple Control store (store.simplecontrol.com) to see our complete line of cables and other accessories.

- **What if I already have some cables?**

  If you already have one or more Simple Cable - Emitter or Simple Cable - Blaster, they can be used with the Simple Cable - Triport Adapter, which is a separate purchase from the Simple Control store.

  You can also extend the length of the single emitter or blaster cables with the Simple Cable - 12 Extension or Simple Cable - 25 Extension cables available for both of these cables.

Serial Control

To control serial-controlled device, purchase and install a Simple Blaster and a Simple Cable - Serial.

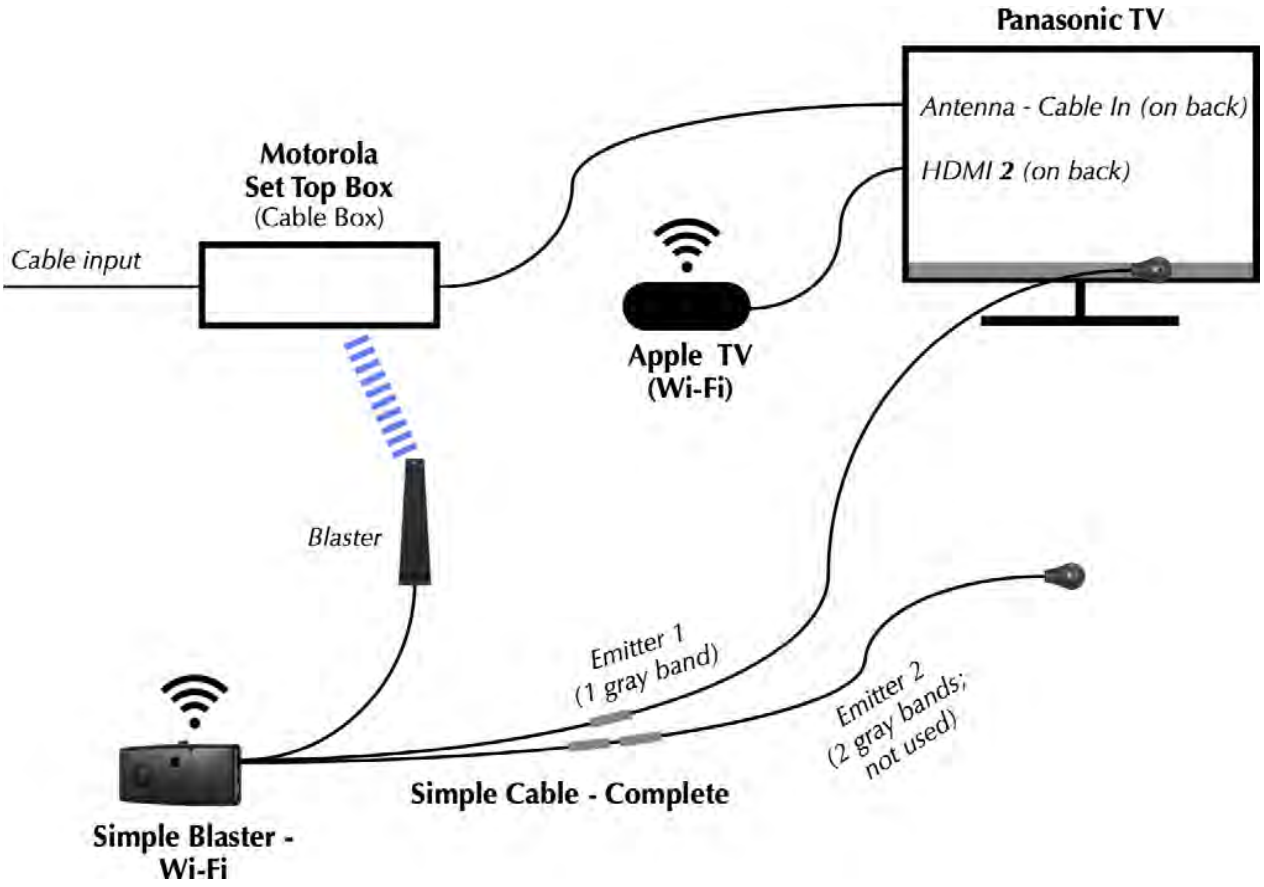
If you have more than one serial-controlled device, you will need to purchase and install a Simple Blaster and a Simple Cable - Serial for each serial-controlled device.

Refer to Appendix A, Simple Blasters, for more information about Simple Blasters. Refer to "Simple Cable - Serial" on page 190 for more information about the Simple Cable - Serial.

Setting Up Your Hardware

Once you have purchased your additional hardware, you need to set it up.

This image shows a hardware setup using a Simple Cable - Complete.



Keep in mind:

- The blaster must be in clear line of sight and within ~25 feet of each device you want it to control. This means that a blaster is ***not*** well suited for devices that are more than 25 feet from the blaster or where there is no line of sight between the blaster and the device.
- The emitter eye must be placed directly over the infrared sensor of the device you want it to control. Emitters are well suited for devices with no line of sight to a blaster; a device in a cabinet, for example.

NOTE: Before removing the adhesive backing on the emitter eye and affixing it, hold the emitter over the infrared sensor to verify control of the device before affixing the emitter.

3 User Interface

This chapter shows and describes three of the main Simple Control screens.

This chapter includes:

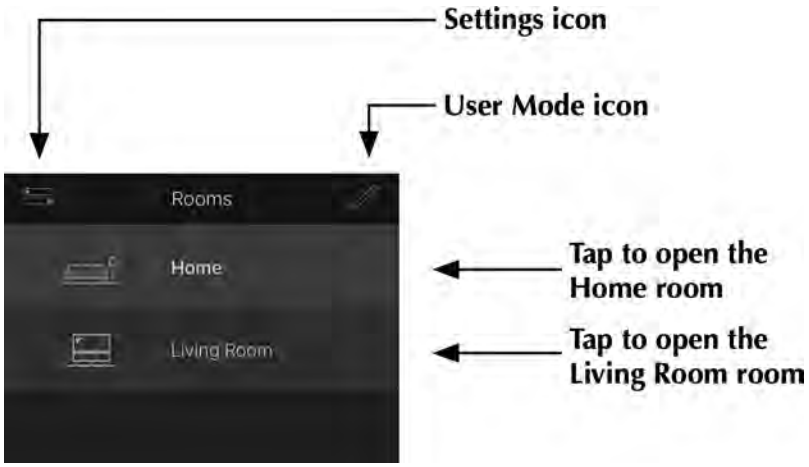
Overview

The three screens shown and described in this chapter — the **Rooms** screen, the **Room Name** screen (**Home** is the default), and the **Virtual Remote** screen — are screens you will see frequently while using Simple Control, so it is important to understand what they are for and how they work.

Note: All three of these screens have two modes: **User mode** and **Edit mode**. User mode is for using features. Edit mode is for configuring.

The Rooms Screen

In User mode, the **Rooms** screen displays a button for each configured room. Tap the desired room button in User mode to open the room.

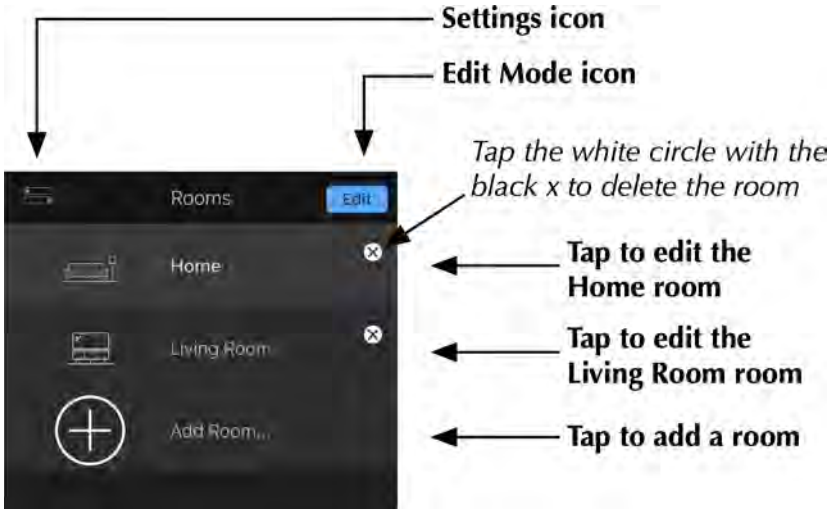


The toolbar across the top of the **Rooms** screen includes:

- **Settings icon:** Tap to open **Settings** for the Simple Control client.
- **User Mode icon:** When you see the pencil, it means you are in User mode. Tap the room button to open the room. Tap the pencil to switch to Edit mode.

In Edit mode, the **Rooms** screen also displays a button for each configured room, but the button includes a small white circle with a black **x** in the middle (tap the white circle to delete the room).

It also includes the **Add Room** button; tap to add a new room.



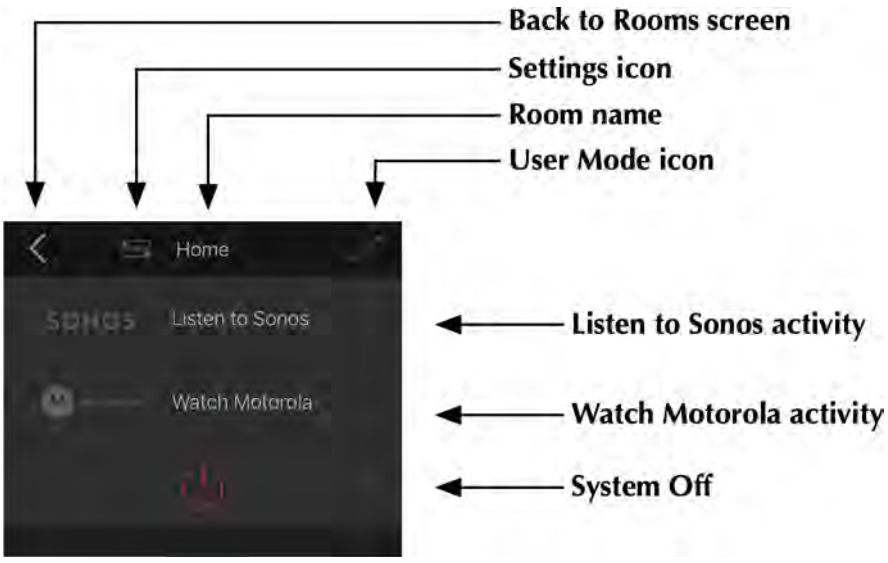
The toolbar across the top of the **Rooms** screen in Edit mode includes the same icons as in User mode, except for the Edit Mode icon, which is black text with a bright blue background.

Refer to "Rooms" on page 45 for more information about adding and deleting rooms.

The Room Name Screen

In User mode, the **Room Name** screen (**Home** is the default) displays buttons for each configured activity, including the **System Off** activity.

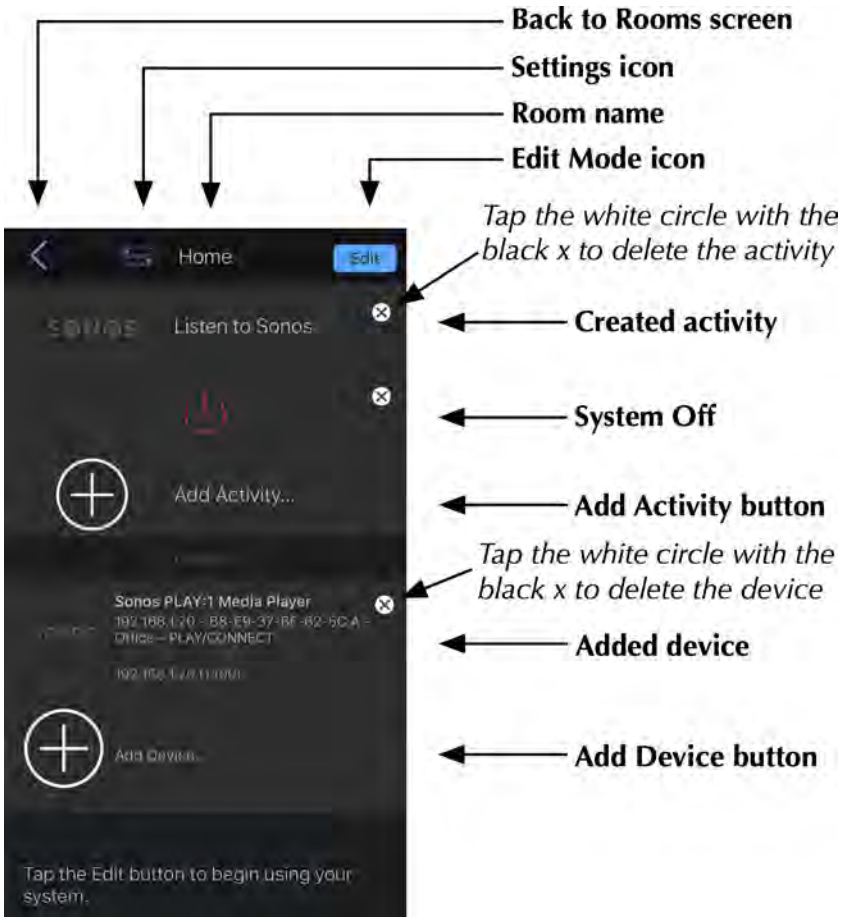
Tap the button of the desired activity to initiate the activity.



The toolbar across the top of the **Activities List** screen includes:

- **Back to Rooms screen icon:** Tap to return to the **Rooms** screen.
- **Settings icon:** Tap to open **Settings** for the Simple Control client.
- **Room name:** So you always know what room you are in.
- **Mode icon:** When you see the pencil, it means you are in User mode. Tap the activity button to start the activity. Tap the pencil to switch to Edit mode.

In Edit mode, the **Room Name** screen shows buttons for all configured activities and all configured devices, plus buttons to add an activity and add a device. Buttons for devices and activities also include a small white circle with a black **x**; tap to delete the activity or device.



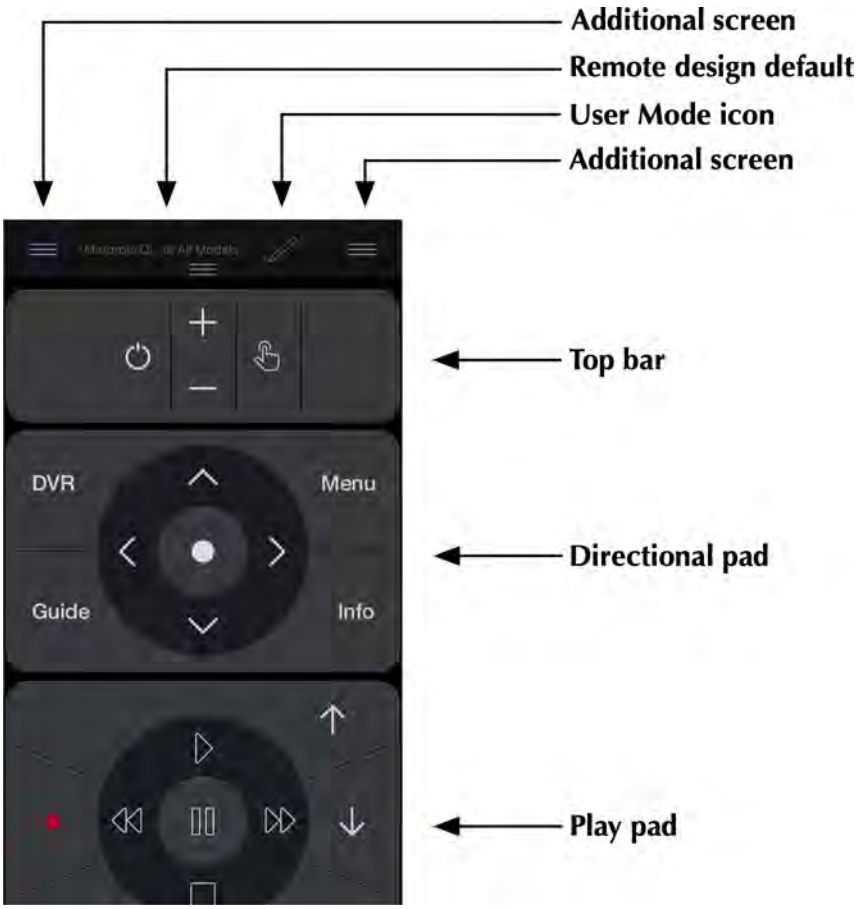
The toolbar across the top of the **Room Name** screen in Edit mode includes the same icons as in User mode, except for the Edit Mode icon, which is black text with a bright blue background.

Refer to "Devices" on page 51 for more information about devices. Refer to Chapter 6, Activities, for more information about activities.

THE VIRTUAL REMOTE SCREEN

In User mode, the **Virtual Remote** screen displays the virtual remote for the selected activity.

To use the virtual remote, tap the desired buttons.



The toolbar across the top of the **Virtual Remote** screen includes:

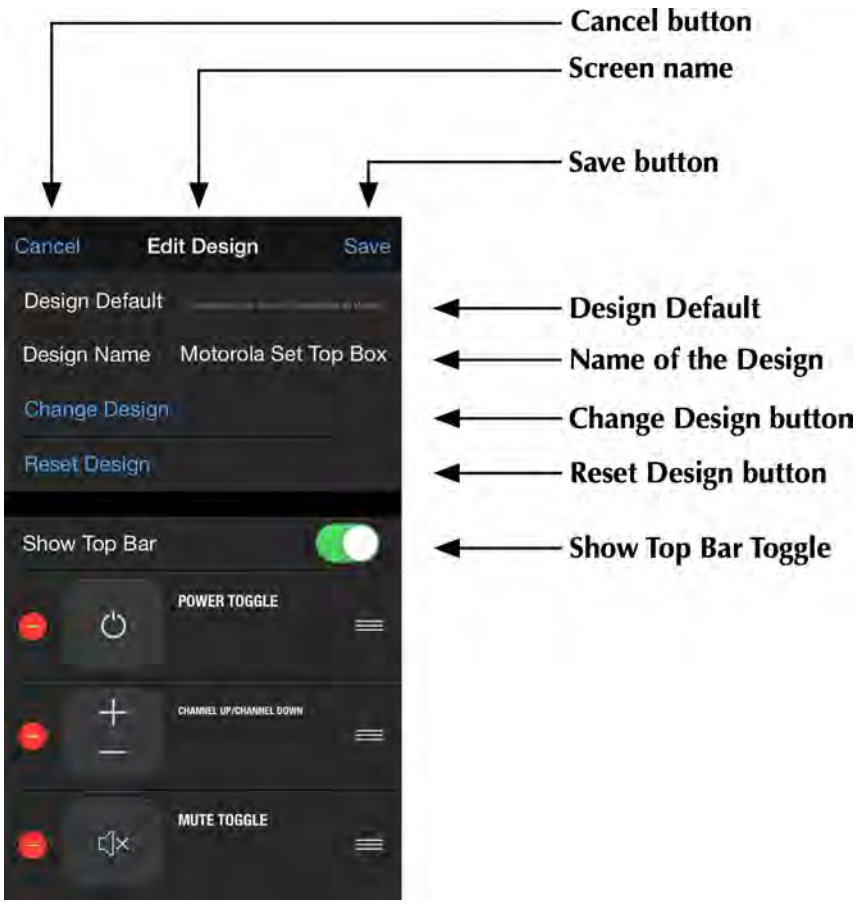
- **Additional screen icon:** Three horizontal blue lines indicate that an additional screen is available. Tap to display the additional screen.

NOTE: If you are using your iOS device in landscape mode, then the **Additional screen** icon can both display and hide the additional screen. Tap once to display or hide the additional screen; tap again to reverse the process.

- **Remote design default:** Displays the name of the remote design being used.
- **Mode icon:** When you see the pencil, it means you are in User mode. Tap the pencil to switch to Edit mode.

In Edit mode, the **Edit Design** screen lets you edit the design of the virtual remote.

You can move around existing buttons, hide or display other buttons and sets of buttons, and add new buttons.



Tap **Save** to save any changes you make on the **Edit Design** screen. Tap **Cancel** to return to the **Virtual Remote** screen without saving any changes.

4 Configuration Demonstration

This chapter demonstrates how to configure a Simple Control client to watch TV from a cable provider and a supported version of Apple TV.

NOTE: You do not need to have this exact setup to do this demonstration. You can adapt it to your setup, then delete the devices and activities when you are done.

This chapter includes:

ASSUMPTIONS

The demonstration in this chapter assumes:

- You have a supported iOS device (iPad, iPhone, or iPod Touch) that is running iOS 9.3 or greater and is connected to your home network via Wi-Fi.
- You have Version 4.5 or greater of the Simple Control client installed on your supported iOS device.

  Simple Control recommends always using the latest version of the Simple Control client.
- The devices you want to control are up and running and you have verified that Simple Control supports them.

HARDWARE SETUP

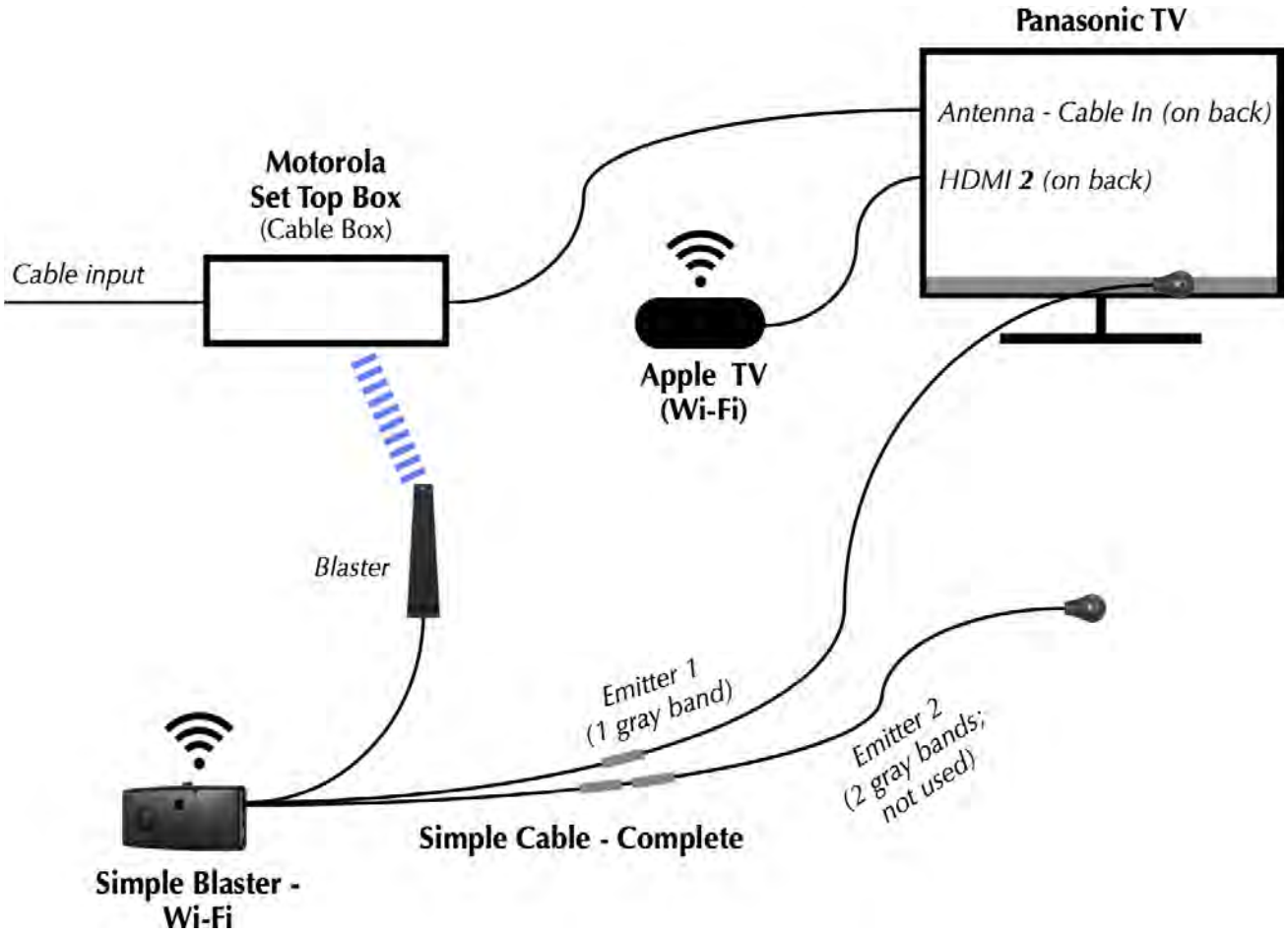
We will be using three devices for this demonstration:

- **a Motorola Set Top Box (STB):** Sometimes called a cable box, the Motorola STB receives content from a cable provider and connects to the Panasonic TV on the TV's **Antenna – Cable In** port. The Motorola STB is an infrared-controllable, supported device; we are controlling it using the blaster on a Simple Cable - Complete.
- **a supported version of Apple TV:** Apple TV connects to the home network via Wi-Fi to receive content and to the Panasonic TV on the TV's **HDMI 2** port. Follow the manufacturer's instructions to set up the Apple TV. Apple TV is a network-controllable, supported device, so once you follow the manufacturer's instructions to configure it, no additional hardware is needed for Simple Control to control it.

- **a Panasonic TV:** The Panasonic TV is an infrared-controllable, supported device; we are controlling it using Emitter 1 (one gray band) of the Simple Cable - Complete. To use the emitter, remove the backing from the emitter, then affix the emitter directly over the infrared receiver port on the device you want to control (in this case, the Panasonic TV).

  Simple Control recommends holding the emitter over the infrared sensor to verify control of the device before affixing the emitter.

NOTE: Emitter 2 (two gray bands) of the Simple Cable - Complete is not being used in this configuration.



SOFTWARE CONFIGURATION

This demonstration shows how to configure Simple Control to create a virtual remote that controls a Panasonic TV, a Motorola STB, and an Apple TV.

This demonstrates three core concepts: rooms, devices, and activities:

- **Room:** A room is a physical space in a facility. If you use Simple Control in your home, then a room could be a bedroom, living room, or an office. In many cases, the devices you control and the activities you create are done on a per-room basis. You can create as many rooms as you want and name them whatever you want.
- **Device:** Devices are the components you want to control. For example, a TV, a receiver, a thermostat, and many others. Once added, devices are the building blocks for activities.

  Refer to Chapter 5, Rooms and Devices, for more information about rooms and devices.
- **Activity:** An activity is what you want to do with the devices you are controlling. For example, watch TV or listen to music. When you finish adding a device, Simple Control asks if you want to create an activity for it. The general rule is: create an activity for a device that provides content. You can also manually create activities to do a wide variety of things.

  Refer to Chapter 6, Activities, for more information about activities.

  When you create an activity automatically, it configures the activity for you based on the options you set when adding your devices. You can always open an activity to make sure it is configured correctly or change settings if necessary.

For this demonstration, we will be configuring one room, three devices, and two activities. The room is called Home, the devices are a Panasonic TV, a Motorola STB, and an Apple TV, and the activities are Watch Motorola and Watch Apple TV.

NOTE: The Panasonic TV is part of both activities.

The Simple Control client is Version 4.5 running on an iPod Touch 5 with iOS 9.3. The Simple Control client includes a Simple Service subscription.

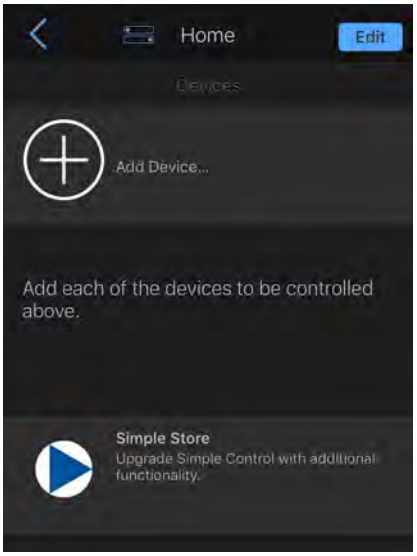
For this demonstration we are using a Simple Control client that has not been configured.

To configure a virtual remote with Simple Control:

1. Open Simple Control.

   Because your Simple Control client is not configured, the **Home** screen opens in Edit mode.

   If you have used Simple Control before, navigate to the **Home** screen and switch to Edit mode.



Edit mode means you can modify settings.

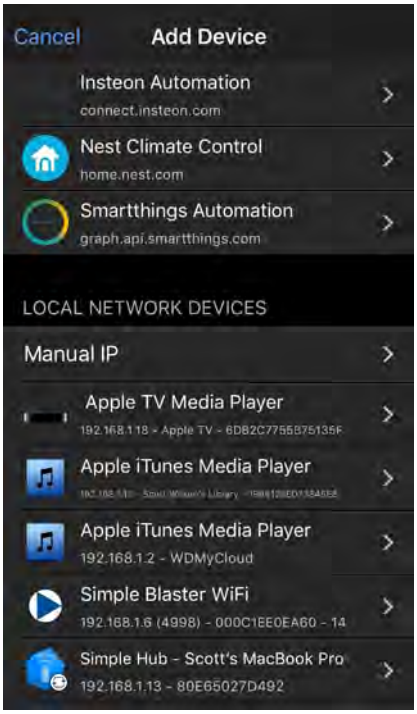
User mode means you can use the feature.

Tap the Mode icon to switch from one mode to the other.

2. Tap **Add Device**.

   The first device we will be adding is the Panasonic TV.

The **Add Device** screen appears.



When a device is connecting directly to your network (IP controlled), it displays on the **Add Device** screen with its own name; like **Apple TV Media Player** in this image.

When a device is connecting to your network via a Simple Blaster, select the appropriate Simple Blaster on the **Add Device** screen (such as **Simple Blaster Wi-Fi** in this image).

Be sure to always choose the correct Simple Blaster (the IP address and MAC address are always unique); some locations may have multiple Simple Blasters on the network.

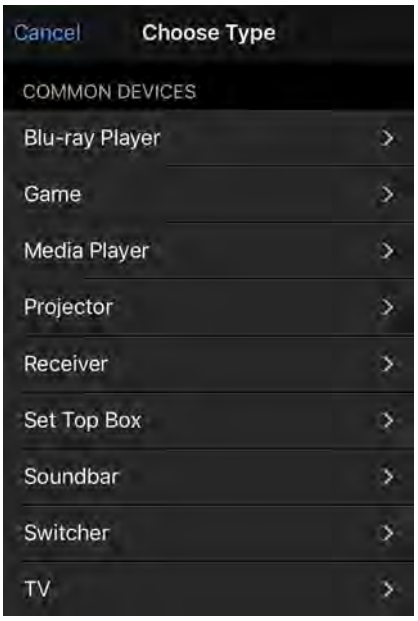
3. Tap **Simple Blaster Wi-Fi**.

   The **Choose Port** screen appears.

The television is being controlled via the Emitter 1 of the Simple Cable - Complete, which corresponds to **IR Port 1** on the **Choose Port** screen.

4. Tap **IR Port 1**.

The **Choose Type** screen appears.

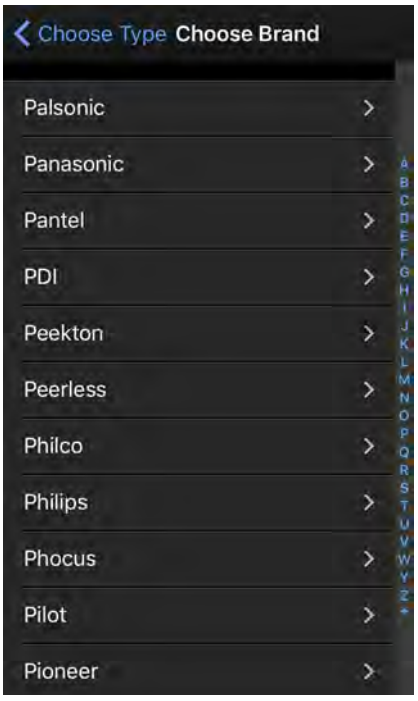


Use the **Choose Type** screen to tell Simple Control about the device you want to control.

NOTE: The number of screens you see when adding a device varies based on the device you are adding.

5. Tap **TV**.

   The **Choose Brand** screen appears.

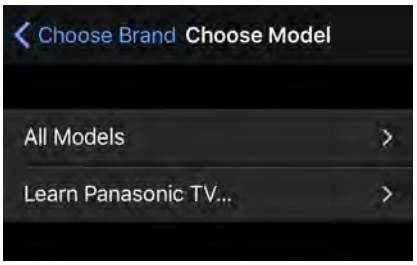


As Simple Control supports a very large number of TV brands, choosing your particular TV brand may be easier if you tap a letter on the far right side of the screen, which lets you jump to other parts of the list.

So tap "**P**" for Panasonic or "**S**" for Sony, for example.

6. Tap **Panasonic**.

The **Choose Model** screen appears, showing the options for Panasonic TVs.

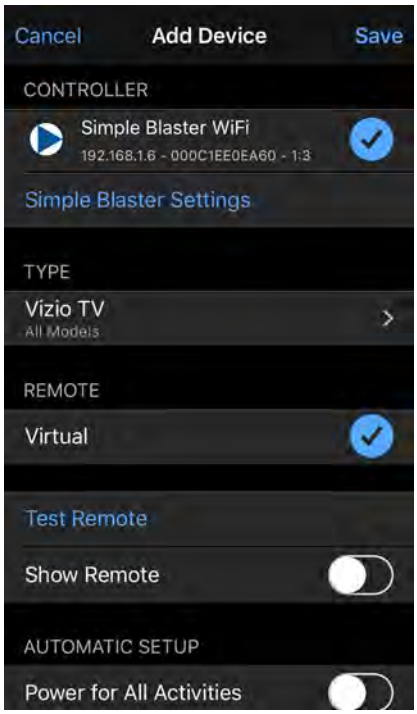


The second option, **Learn Panasonic TV**, is only for learning commands when Simple Control does not support the full command set for a device.

Simple Control fully supports all Panasonic TVs, so it is not necessary to select the second option.

7. Tap **All Models**.

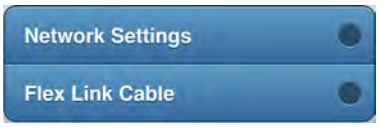
   The **Add Device** screen appears.



8. Tap **Simple Blaster Settings**.

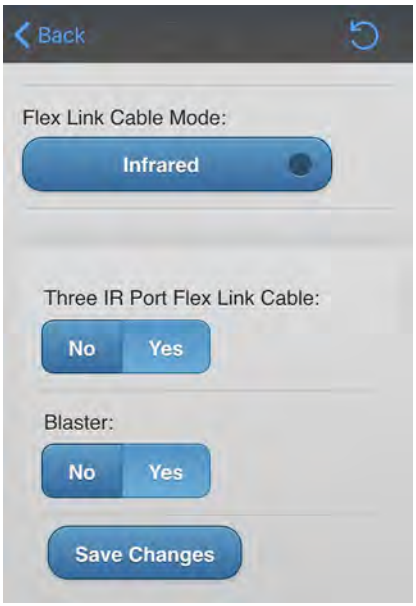
   Because we are using a Simple Blaster and the blaster is going to be controlling devices, we need to configure the **Simple Blaster Settings**.

   Settings for the Simple Blaster appear.



9. Tap **Flex Link Cable**.

The **Flex Link Cable** screen appears.



10. Make these selections:
    - **Flex Link Cable Mode: Infrared** (because we are controlling the STB and the TV using their infrared receivers)
    - **Three IR Port Flex Link Cable: Yes** (because we are using the Simple Cable - Complete, which is a three-port accessory)
    - **Blaster: Yes** (because we are controlling the STB using the blaster portion of the Simple Cable - Complete)

      If any devices are being controlled by the blaster, then this field must be set to **Yes**.

NOTE: The settings on the **Flex Link Cable** screen are global for the Simple Blaster.

11. Tap **Save Changes**.
12. Return to the **Add Device** screen and tap **Save**.

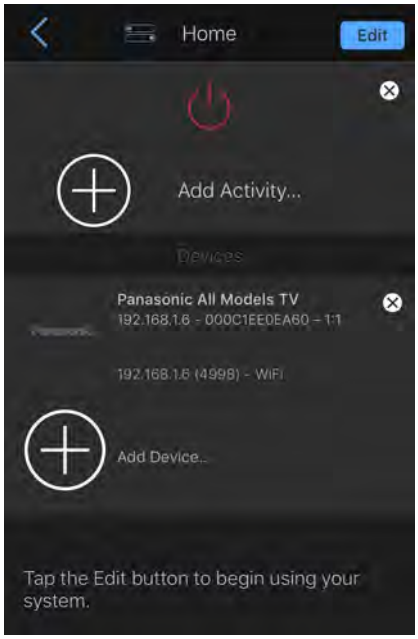
    The **Create Activity** popup appears.

The Panasonic TV is *not* a source of content, so we do not create an activity for it.

If the TV were a source of content—if you were using apps on the TV, for example—then you would create an activity for it.

13. Tap **No**.

The **Home** screen appears.



The **Home** screen is still in Edit mode, but it now shows the newly configured device **Panasonic All Models TV.**

Simple Control has also automatically created a System Off activity.

14. Tap **Add Device**.

    The second device we are going to add is the Motorola Set Top Box.

15. The **Add Device** screen appears.

16. Tap **Simple Blaster Wi-Fi**.

    Because the Motorola Set Top Box is being controlled via the blaster of the Simple Cable - Complete, we choose Simple Blaster Wi-Fi again.

    The **Choose Port** screen appears.

17. Tap **IR Port 3**.

    The Motorola Set Top Box is being controlled via the blaster on the Simple Cable - Complete. All devices being controlled via a blaster ***must*** be configured on **IR Port 3**.

    The **Choose Type** screen appears.

18. Tap **Set Top Box**.

    The category Set Top Box covers both cable and satellite boxes.

The **Choose Brand** screen appears.

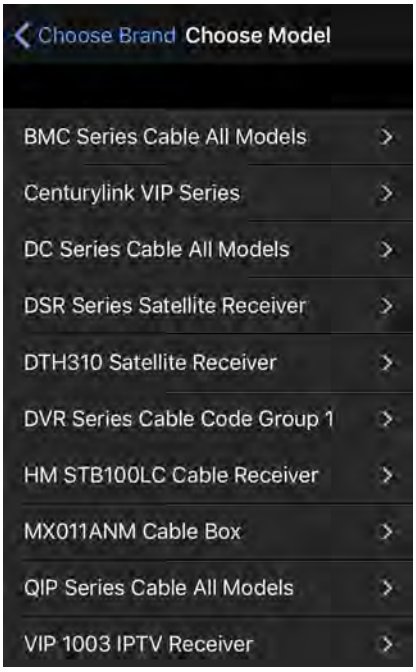
You are selecting the name of the manufacturer of the Set Top Box hardware, *not* your cable provider.

So Verizon, Comcast, and AT&T, for example, are ***not*** on the list.

The only exception to this rule currently is Xfinity, which does have a box with their name.

19. Tap **Motorola**.

    The **Choose Model** screen appears, showing the models supported by Motorola.



For this demonstration, **QIP Series Cable All Models** is being used.

NOTE: When choosing the model of a device, always choose the closest match to your model; you may need to try a couple before you get the right one. Model information can frequently be found on the device itself.

20. Tap the appropriate Set Top Box model.

The **Add Device** screen appears.

21. Tap **Save**.

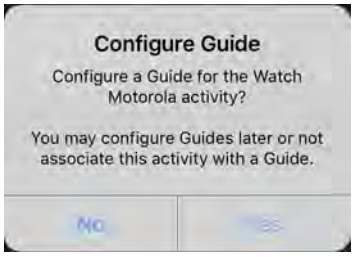
    The **Create Activity** popup appears.

Because the Motorola Set Top Box is a source of content, we create an activity for it.

Simple Control will automatically name the activity for you, but you can change the name if you like.

22. Tap **Create Activity**.

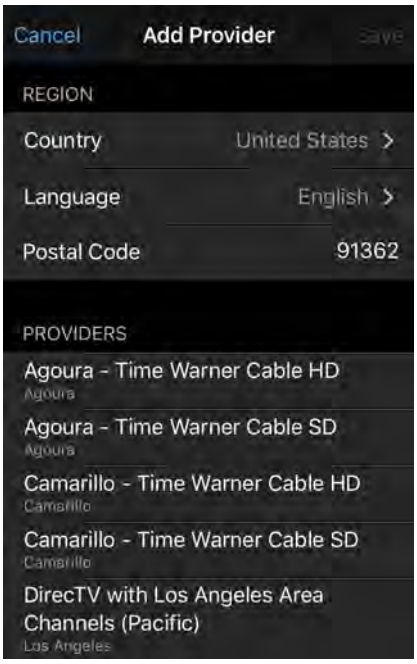
    The **Configure Guide** popup appears.



Simple Control provides guide listings for over 30 countries.

23. Tap **Yes**.

The **Add Provider** screen appears.



24. If not automatically detected, enter the appropriate **Country**, **Language**, and **Postal Code**.

25. When the list of providers appears, tap the name of your provider, then tap **Save**.

    The **Favorites** popup appears.

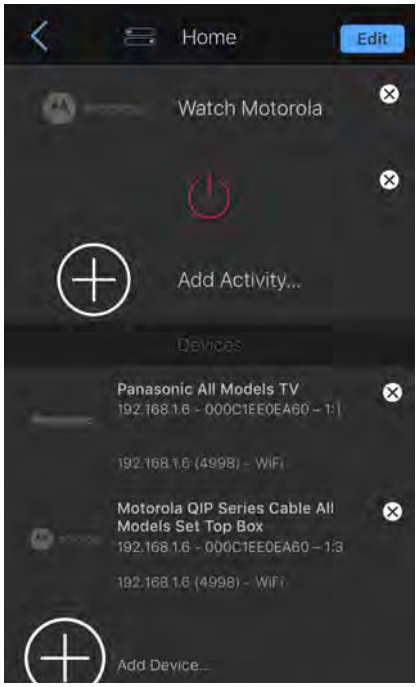
Simple Control shows all available channels, including premium channels that require additional payment.

NOTE: While you may be able to see a channel in the list, it does not necessarily mean you can view it.

Favorites have a blue circle with a black check mark next to them.

26. Tap the desired channels to set them as favorites, then tap **Save**.

The **Home** screen appears.

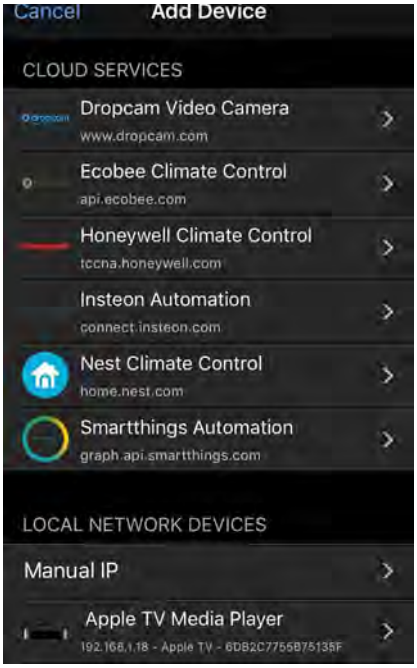


The **Home** screen nows shows the two configured devices and the **Watch Motorola** activity.

27. Tap **Add Device**.

    The final device we are going to add is a supported version of Apple TV.

    The **Add Device** screen appears.



Because Apple TV is a network-controlled device, we do not need to select **Simple Blaster Wi-Fi**, as we did with the other devices we added.

28. Tap **Apple TV Media Player**.

The **Apple TV Pairing** screen appears.

NOTE: Your passcode will be different from what is shown here.

To use Simple Control to control Apple TV, you need to pair Simple Control with your Apple TV.

29. ***Using your Apple TV remote***, access Apple TV, then go to **Settings** > **General** > **Remotes** (for Generation 3 of the Apple TV). For Generation 4, go to **Settings** > **Remotes and Devices** > **Remote App**.

    Refer to Apple TV Control for more information about controlling an Apple TV.

    The **Remotes** screen appears.

30. Scroll down to the **iOS Remotes** section and find the iOS device you are using to run Simple Control.

    The text may say something like:

    Simple – Jon's iPod Touch

31. Select the Simple Control remote.

    The **Add Simple – Jon's iPod Touch** screen appears.

32. Enter the passcode from the **Apple TV Pairing** screen, then select **Done**.

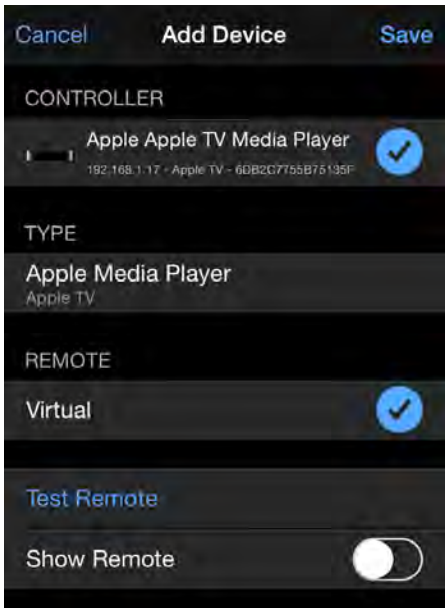
    The **Remotes** screen appears, showing that the Simple Control has been paired.

33. On your Apple TV, exit from **Settings**.

    On the iOS device, the **Choose Model** screen appears, showing Apple devices on your home network.

34. Tap **Apple TV**.

The **Add Device** screen appears.



35. Tap **Save**.

    The **Create Activity** popup appears.

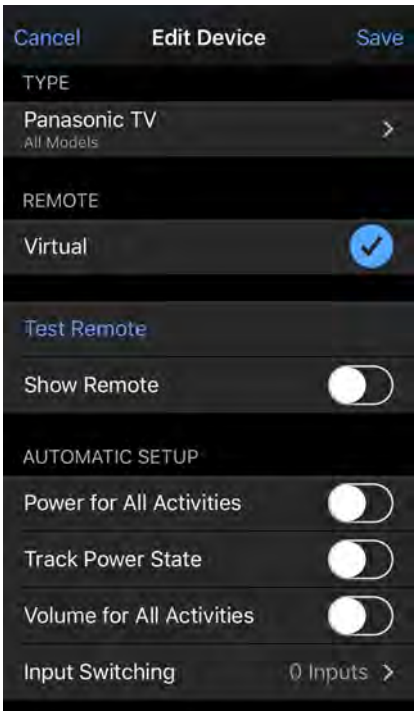
Apple TV is also a source of content, so we create an activity for it.

36. Tap **Create Activity**.

    The **Home** screen appears, in Edit mode.

37. Locate the **Devices** section, then tap **Panasonic All Models TV**.

The **Edit Device** screen for the Panasonic TV appears.



38. Tap **Input Switching**.

    Input switching is required when you have two or more devices providing input to one other device. It tells the device receiving the inputs which input to use for which activity.

    For example, in our demonstration we have a Motorola STB and an Apple TV both providing input to a Panasonic TV. We need to make it clear to the Panasonic TV which input to use for which activity.

    The hardware configuration is: the input from the Motorola STB to the Panasonic TV is being received on the **Antenna – Cable In** port and the input from the Apple TV to the Panasonic TV is being received on the **HDMI 2** port.

    On the Input Switching screen, set the **Antenna – Cable In** port to **Motorola Set Top Box** and the **HDMI 2** port to **Apple Media Player**.

    This way, when we select the **Watch Motorola** activity, the **Antenna – Cable In** input is used and when we select **Watch Apple TV**, the **HDMI 2** input is used.

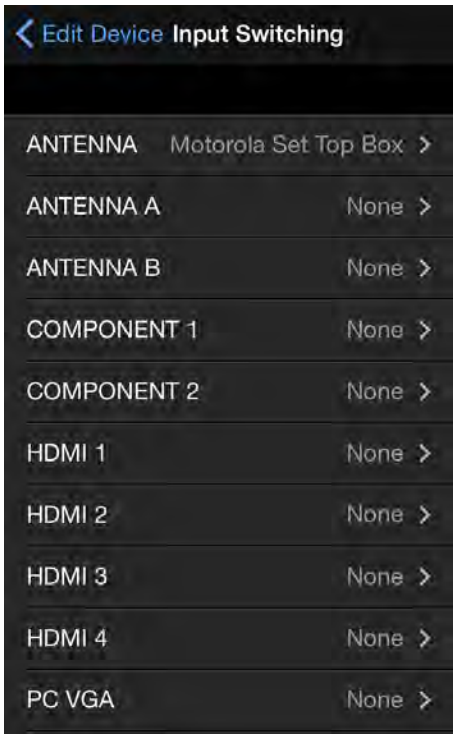
    The **Input Switching** screen appears.

39. Tap **Antenna**.

The **Input Selection** screen appears.

40. Tap **Motorola QIP Series Set Top Box**.

    The **Input Switching** screen appears, now showing the Motorola Set Top Box assigned to the **Antenna** input.

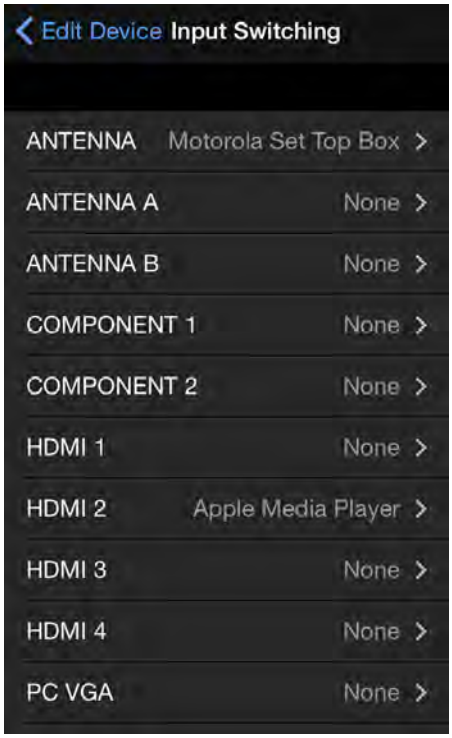


41. Tap **HDMI 2**.

    The **Input Selection** screen appears.

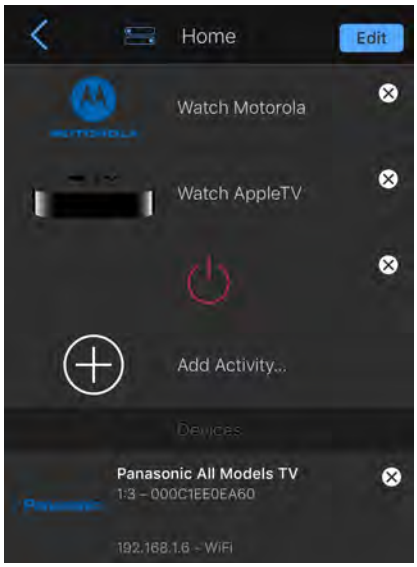
42. Tap **Apple Media Player**.

The **Input Switching** screen appears, now showing both devices assigned to the correct inputs.



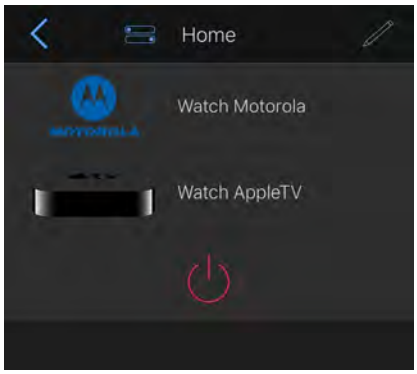
43. Tap **Edit Device**, then tap **Save** when the **Edit Device** screen appears.

    The **Home** screen appears, in Edit mode.



44. Tap the Mode icon to switch to User mode.

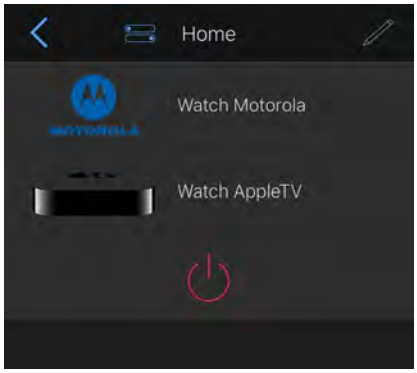
The **Home** screen appears, now in User mode.



45. Tap **Watch Motorola**.

    The virtual remote appears.

46. Return to the **Home** screen and tap **System Off**  .



Congratulations! You have successfully configured a room using Simple Control.

NOTE: If you do not want to keep the devices and activities that were created in this demonstration, tap the **Settings** icon, tap **Reset Configuration** (near the bottom), read the warning text that appears (a reset deletes everything you have configured, including rooms, devices, and activities), then tap **Reset**.

5 Rooms and Devices

This chapter describes rooms and devices in Simple Control.

This chapter includes:

Rooms

A room is a physical space in a facility.

If you use Simple Control at your home, then a room could be a bedroom, living room, or an office.

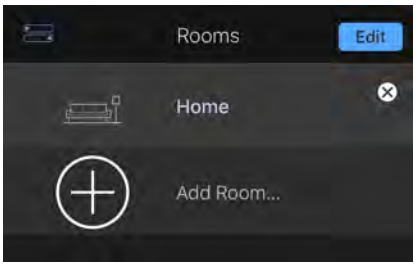
In many cases, the devices you control and the activities you create are done on a per-room basis. You can create as many rooms as you want and name them whatever you want.

When you open Simple Control for the first time, it automatically creates an unconfigured room.

NOTE: When you add a room, you can also specify the layout size for the activity list; refer to "Layout Sizing Options for Activity Lists" on page 49 for more information.

To add a room:

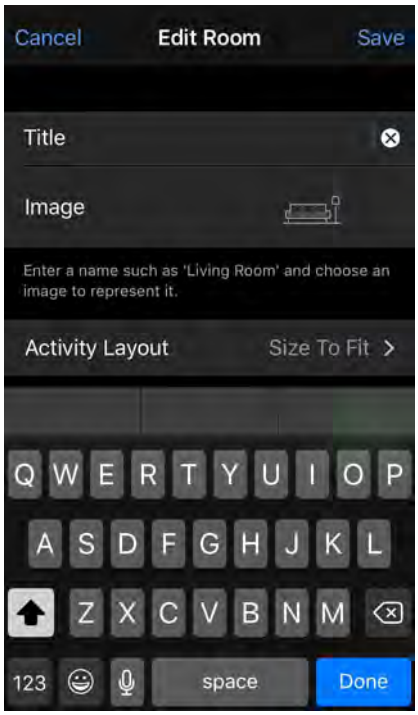
1. Open Simple Control and navigate to the **Rooms** screen.



If Simple Control is in User mode, tap the mode icon, the pencil, to switch to Edit mode.

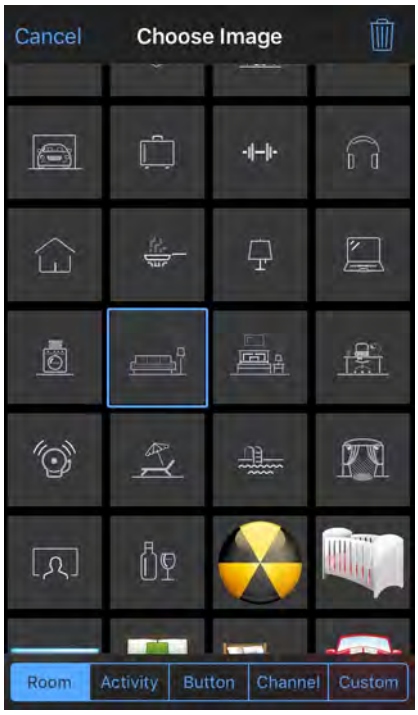
2. Tap **Add Room**.

The **Edit Room** screen appears.



3. Enter a descriptive name for the room in the **Title** field.
4. To change the default image, tap the default image.

The **Choose Image** screen appears.



5. Tap the desired image.

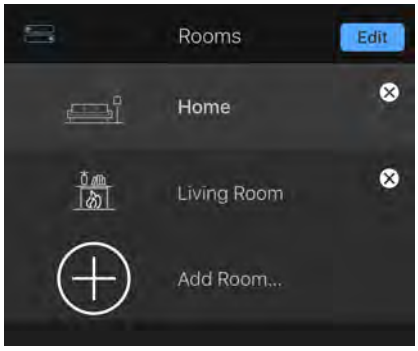
NOTE: To use a custom image for a room, refer to Chapter 11, Custom Images, for detailed instructions.

The **Edit Room** screen appears.

The **Edit Room** screen now shows the new title and image you specified.

6. Tap **Save**.

   The **Rooms** screen appears.

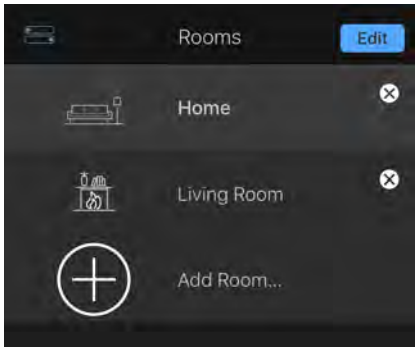


The **Rooms** screen shows the new room.

7. Tap the mode icon to switch to User mode.

To delete a room:

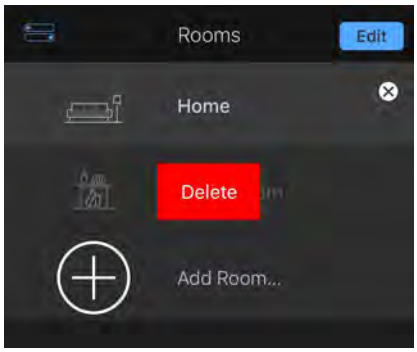
1. Open Simple Control and navigate to the **Rooms** screen.



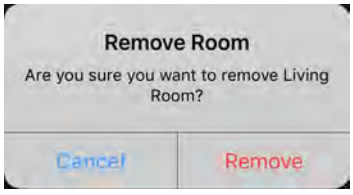
2. If Simple Control is in User mode, tap the mode icon to switch to Edit mode.
   Each room now shows a white circle with a black **x** in the upper right corner.
3. Tap the white circle for the room you want to delete.

NOTE: If you miss the white circle, the **Edit Room** screen appears.

The **Delete** button appears.



4. Tap **Delete**.
   A confirmation dialog appears.



5. Tap **Remove**.
   The room is deleted.

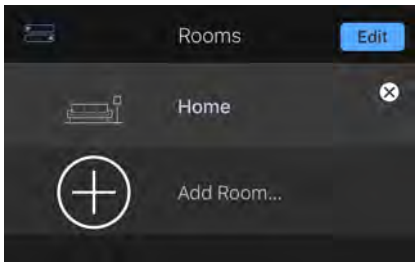
Layout Sizing Options for Activity Lists

Simple Control let you choose a layout size for activity lists.

The default is **Size to Fit**. Smaller sizes let you see more content on the screen at one time, while the larger sizes make it easier to make selections.

To select a layout size for activity lists:

1. Open Simple Control to the **Rooms** screen, in Edit mode.



2. Tap the room whose layout size you want to change.

   The **Edit Room** screen appears.

3. Tap **Activity Layout**.

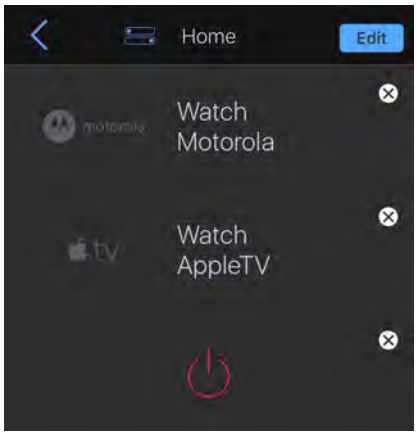
The available layout sizes appear.

Available sizes are:

- **Size to Fit**
- **Small**
- **Medium**
- **Large**
- **XL**

4. Tap the desired layout size, then tap **Save**.

   The **Rooms** screen appears, in Edit mode.
5. Tap the mode icon to switch to User mode.
6. Tap the room whose layout size you changed.



The content appears in the new size.

This image shows the XL size on an iPod Touch.

Monochromatic Images

Simple Control uses monochrome versions of logo icons for normal usage.

To use color versions in a room, disable **Monochromatic Images**.

DEVICES

This section describes how to set up devices to be controlled by Simple Control.

About Devices

Devices are the components you want to control with Simple Control. For example, a TV, a receiver, a thermostat, a wireless speaker, a video camera, or a streaming device; all of these, and many more, are devices to Simple Control.

Once added, devices are the building blocks for activities.

To control a device, Simple Control must be able to communicate with it:

- The device must be either on the local network directly (called direct IP) or connected via an "adapter" that is on the network directly (such as a Simple Blaster). Simple Blasters support devices that are controllable via infrared or serial connections.
- The device must be on the same network as the iOS device hosting Simple Control.

IMPORTANT: After you add a device, Simple Control strongly recommends reserving the IP address assigned to the device. This can be done using a feature of your router generally called "static DHCP" or "DHCP reservation". Refer to your router documentation for more information. Simple Control normally recognizes when the IP address of a device it controls changes and adapts to the change, but it is safest to reserve the IP address for all controlled devices.

Prerequisites

Two things are *required* to control a device:

1. **The device must be accessible and controllable on the local network.**

   There are three ways to get a device accessible and controllable on a network:

   - **Direct IP.** In this case, network access and IP control – via Wi-Fi or Ethernet – is built in to the device. Follow the manufacturer's instructions to get the device onto the network. A key advantage of IP-controllable devices is that many provide additional feedback (called live feedback) that is not available via infrared control. No additional hardware is needed for Simple Control to control these devices.

     Be sure to check the Device Compatibility page on the Simple Control website to make sure IP control is enabled for a network-accessible device.

     The existence of an Ethernet port does not guarantee that the device can be controlled via direct IP. The manufacturer must explicitly enable IP control.

   - **Infrared.** Infrared control is built in to the vast majority of consumer electronic devices sold in the past few decades. So if your device comes with a physical remote, you can very likely get it connected.

     Use a Simple Blaster and an appropriate cable to get an infrared device connected to your network and controllable by Simple Control.

   - **Serial.** Some devices can be connected to your network and controlled via a serial (RS-232) connection.

     Use a Simple Blaster and a Simple Cable - Serial to get a serial device connected to your network and controllable by Simple Control.

2. **The device must be supported.**

   Simple Control must be configured with the commands to control the device.

   Refer to the Device Compatibility page on the Simple Control website to see if a device is supported. There are three compatibility lists, organized by how the device connects to the network: direct IP, infrared, and serial.

NOTE: It is possible to add support manually for a currently unsupported device if you are using a Simple Blaster. Refer to "Learning Commands with a Simple Blaster" on page 87 for more information.

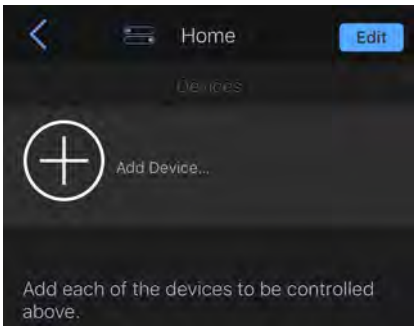
Adding a Device

The following procedure demonstrates how to add a Panasonic TV with an infrared connection to the network using a Simple Blaster (Wi-Fi).

To add a device:

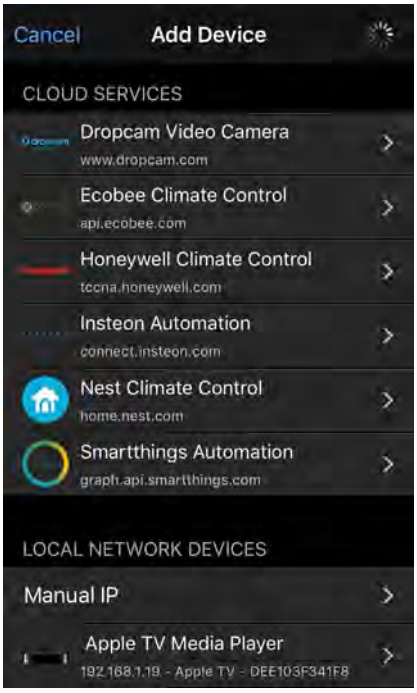
1. Open Simple Control and navigate to the **Rooms** screen (the default is **Home**).
2. Tap the room to which you want to add the device.

The **Home** screen appears, in Edit mode.



3. Tap **Add Device**.

   The **Add Device** screen appears.



The images in this chapter are for example purposes only. The screens you see will be different.

NOTE: Some devices may take longer than others to appear on the **Add Device** screen. Simple Control uses multiple protocols to find all relevant devices on the local network. If the device you want to add does not appear immediately, wait for a minute then check again.

The **Add Device** screen gives you several options to choose from:

- **Cloud Services:** Lets you add devices controlled by a cloud service, if you have any in your environment. Because a cloud service displays on the **Add Device** screen does not mean it is available in your environment.
- **Manual IP:** Lets you add, by IP address/DNS name and port, devices that are not automatically discovered. You can enter either the IP address or DNS name and port number.

If you add a device via **Manual IP**, reserve the IP address assigned to the device. This can be done using a feature of your router generally called "static DHCP" or "DHCP reservation". Refer to your router documentation for more information.

- **Direct IP devices:** Lets you add the listed device. For example, Sonos PLAY:1 Media Player or Apple TV Media Player.

  (A Direct IP device listing shows the company name followed by the product name and then the type; so for example, Sonos PLAY:1 Media Player or Apple iTunes Media Player.)

- **Simple Blaster Wi-Fi** or **Simple Blaster Ethernet:** When you use a Simple Blaster—Wi-Fi or Ethernet—to make a device accessible and controllable by Simple Control Home, you select the Simple Blaster on the **Add Device** screen.

4. For this procedure, tap **Simple Blaster WiFi**.

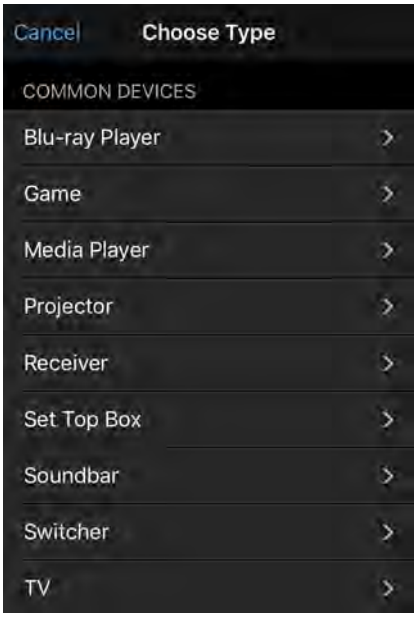
   The **Choose Port** screen appears.

The television is being controlled via the blaster of a Simple Cable - Complete, which means you must select **IR Port 3** on the **Choose Port** screen.

When you control a device via a blaster, there are settings that must be set correctly. Refer to Appendix A, Simple Blasters, for more information.

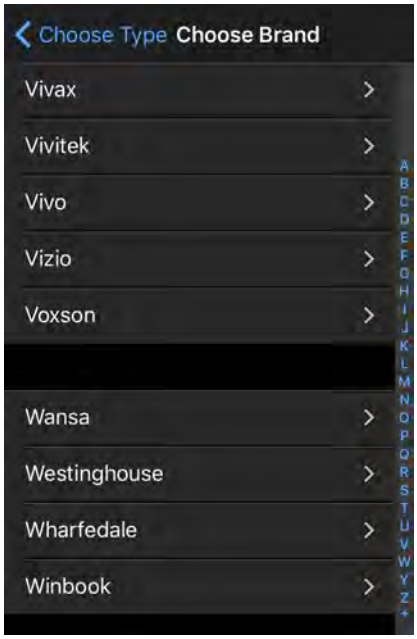
5. Tap **IR Port 3**.

The **Choose Type** screen appears.



6. Tap **TV**.

   The **Choose Brand** screen appears.

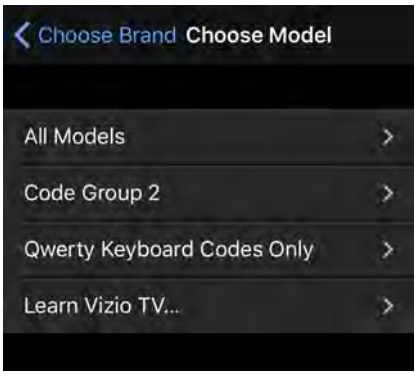


Finding your TV brand may be easier if you tap a letter on the far right side of the screen; the brand names jump to the selected letter of the alphabet.

So tap **P** for Panasonic or **V** for Vizio, for example.

7. Tap **Vizio**.

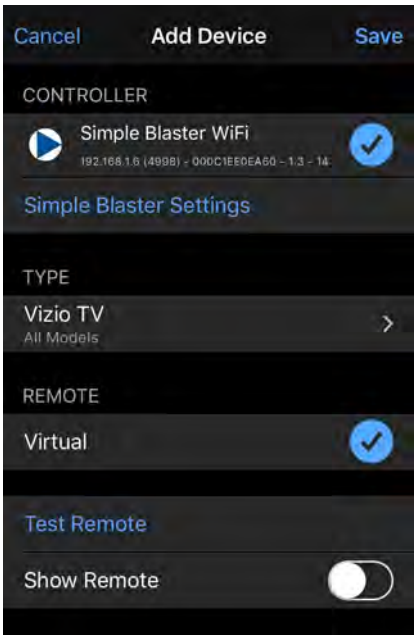
The **Choose Model** screen appears, showing the options for Vizio TVs.



The last option, **Learn Vizio TV**, is only for learning commands when Simple Control does not support the full command set for a device.

8. Tap **All Models**.

   The **Add Device** screen appears.

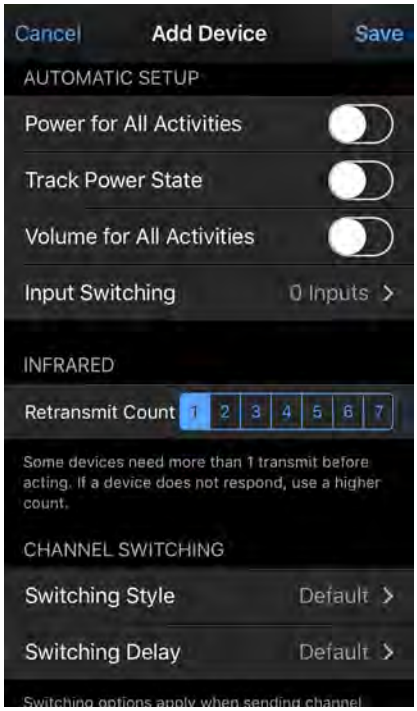


NOTE: This image shows the settings when adding a Vizio TV. The settings you will see depend on the type of device you are configuring.

9. Configure the settings of the **Add Device** screen:
   - **Simple Blaster Settings:** Tap to configure the Simple Blaster to support devices that are connecting to the network via a blaster cable.
   - **Test Remote:** Tap to bring up a virtual remote for the device you are currently adding. Tap **Add Device** in the upper left corner to return to the **Add Device** screen.

TIP: Using **Test Remote** is a good way to determine whether or not the device is correctly configured. When the virtual remote appears, try some commands to see if they work or not. If they work, then the device is correctly configured.

- **Show Remote:** Enable if you want a separate virtual remote button for the device you are adding; a virtual remote button will appear on the screen for the room you are configuring. Simple Control recommends using **Show Remote** for diagnostic test purposes only; you will probably ***not*** need to enable it for a device.



- **Power for All Activities:** Enable if you want the device you are configuring to be powered on for all activities in a room.

  For example, if you are configuring a television that is going to be used for two activities – watching television and watching Apple TV – that are the only two activities in the room, you would enable this feature as the television needs to be on for all activities in the room.

- **Track Power State:** Keeps the power state of the device in Simple Control in sync with the actual power state of the device. Puts a power toggle control on the list of devices (in Edit mode) so that you can easily switch the device to the desired power setting if it gets out of sync

  Track Power State should *not* be enabled if the device supports discrete on and off power commands; it is included for legacy devices that only support toggling the power setting.

- **Volume for All Activities:** Enable if the device you are configuring is providing sound for all activities in a room. Simple Control only allows this to be enabled for one device in a room, as this option sets the volume control for all activities in a room.

  You would not enable this setting if you had a television providing sound for one activity and a speaker providing sound for a different activity in the same room.

- **Input Switching:** Configure if you have two or more devices providing input to one other device. **Input Switching** tells the device receiving the inputs which input to use for which activity.

  For example, if you have a set top box providing input to a television on HDMI 1 and an Apple TV providing input to the same television on HDMI 2, you need to configure the television with this information. Then, when the set top box is part of an activity, the television will use the input it is receiving on HDMI 1 and when the Apple TV is part of an activity, the television will use the input it is receiving on HDMI 2.

- **Retransmit Count:** Some devices require multiple infrared transmissions for every command; Simple Control sends **1** by default. **Retransmit Count** lets you increase the number of transmissions to up to 7.

TIP: If you are having infrared reception issues, especially with a Sony device, try increasing the **Retransmit Count** to **2** or **3**. If this fixes the problem, keep the setting. If it does not fix the problem, set **Retransmit Count** back to **1** and check the diagnose IR issues page on the Simple Control website for additional options.

- **Switching Style:** Controls the format when sending channel change commands to the device you are configuring from a guide. The default is digits followed by an **Enter**. You can also select three digits with a leading zero or four digits with a leading zero.

  If you are having issues changing channels using a guide, try using the other two formats to see if your guide uses those instead of the default.

- **Switching Delay:** Controls the delay between codes when sending a channel change command to a guide. The default is **333 ms**.

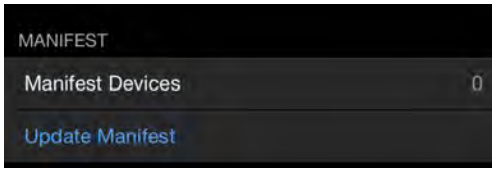
  If you are having issues where you are sending **1 0 0 0** but are getting **1 0**, for example, increase the switching delay so that there is a longer interval between.

- **Interval (ms):** Controls the interval between command repeats when you hold down a button for devices that repeat the same command multiple times. The default is **100 ms**.

  If a device is not responding to the current setting, the interval may be too low; try increasing the interval.

- **Username** and **Password**: Some circumstances require a username and password. Enter the appropriate credentials.

- **Manifest Devices:** Show the number of things being controlled by the device. For example, if the device were a lighting hub, then the number of controlled lights would be shown. If the count shows 0, tap **Update Manifest** to get the list of devices.



- **Update Manifest:** Tap to update the list of things being controlled by the device.

10. Configure the device appropriately, then tap **Save**.

IMPORTANT: After you add a device, Simple Control recommends reserving the IP address assigned to the device. This can be done using a feature of your router generally called "static DHCP" or "DHCP reservation". Refer to your router documentation for more information.

Editing a Device

You can view or make changes to a device's settings at any time after you configure it.

To edit a device's settings:

1. Open Simple Control, tap the room the device is in, then enter Edit mode (if necessary).

   The screen for the selected room appears, in Edit mode.

2. Tap the device whose settings you want to view or edit.

   The **Edit Device** screen appears for the device you selected.

3. View the current settings and make any desired changes.
4. Tap **Save** if you make any changes, otherwise tap **Cancel**.

Deleting a Device

If you no longer need a device, you can delete it.

To delete a device:

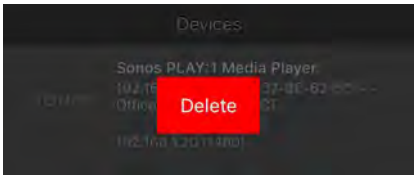
1. Open Simple Control, tap the room the device is in, then enter Edit mode (if necessary).

   The screen for the selected room appears, in Edit mode.

2. Tap the white circle with a black **x** for the device you want to delete.

   In this example, we are deleting a Sonos Media Player.

   A **Delete** button appears; it has a bright red background.



3. Tap **Delete**.

   The device is deleted.

6 Activities

This chapter describes how to work with activities in Simple Control.

This chapter includes:

About Activities

An activity is what you want to do in Simple Control. For example, watch television, listen to music, control your thermostat; these are all activities.

You generally want to create an activity for a source of content; a media player or a cable set top box, for example. You can also manually create activities for a wide variety of functions.

Once an activity is created, it appears at the top of the **Activities List** screen. Activities always appear at the top of the screen for a room, whether Simple Control is in Edit mode or in User mode.

To start an activity, tap its button while in User mode. Simple Control executes the appropriate commands and the virtual remote appears (some activities do not have a virtual remote).

To edit an activity, tap it while in Edit mode. The **Edit Activity** screen appears for the activity you tapped.

There are two ways to create an activity:

- **Automatically after adding a device:** This is the usual method for creating an activity based on a device that is a source of content.

Note: Simple Control displays a popup asking if you want to create an activity when you finish adding a device that is likely to need an activity.

- **Manually, with default settings:** This is usually used for creating a special use activity; that is, an activity you need to perform a specific function but that is not a source of content. You manually create the activity using the **Create Activity** button. The activity is created with all default settings; you need to configure it appropriately.

  For example, if you wanted to create a timer-based activity that executes the **System Off** activity after 30 minutes have passed, you would create an activity manually, then configure it appropriately.

Creating an Activity Automatically

The following procedure shows how to automatically create an activity when you are done adding a device.

To automatically create an activity:

1. Open Simple Control, navigate to the **Rooms** screen, then tap the room to which you want to add the device.
2. Tap the **Add Device** button.
3. Configure the device appropriately, then tap **Save**.

   The **Create Activity** popup appears.

Note: The settings for an activity that is created automatically are established by Simple Control based on the settings of the device that was just added and the settings of other devices currently in the room.

4. Tap **Create Activity**.

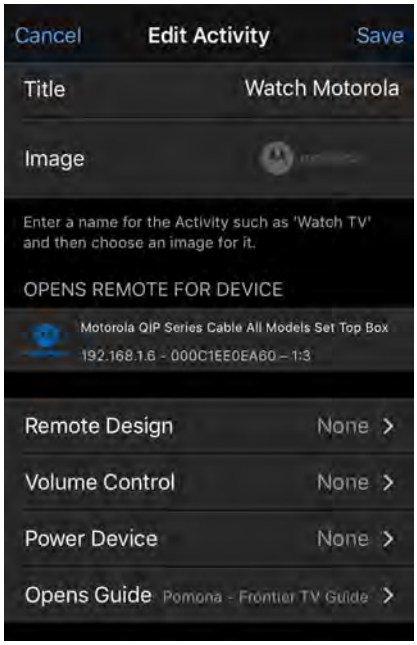
   The activity is created.

SETTINGS FOR ACTIVITIES

When you create an activity automatically, Simple Control configures the settings of that activity based on the settings of the device that was created and the settings of other devices currently in the room.

Simple Control recommends examining the settings of automatically created activities to make sure they are correct.

NOTE: Not all of the settings listed below are found in all activities.



Settings for activities can include:

- **Title:** This is a descriptive name for the activity. If the activity was created automatically, the name was assigned automatically based on the device that was added. If you add an activity manually, the title is blank. You can name an activity anything you want and you can change the name at any time. To enter a title, tap the **Title** field and enter a new title using the keyboard; tap **Done** on the keyboard when you are done.

  Neither titles nor images are required.

- **Image:** Displays an image for the activity. If the activity was created automatically, the image was assigned automatically based on the device that was added. If you add an activity manually, the image is blank. You can use any image for any activity. To select an image, tap the **Image** field and then tap the desired image. Tap the category buttons at the bottom of the **Choose Image** screen to access more images.

  There are two ways to add custom images in Simple Control. Refer to Chapter 11, Custom Images, for complete instructions for using custom images.

- **Opens Remote for Device:** This is the virtual remote that opens when you start the activity. If the activity was created automatically, the **Opens Remote for Device** field shows the name of the device for which the activity was created. If the activity was created manually, the **Opens Remote for Device** field shows **None**.

The **None** setting means there is no device on which to base the design of the virtual remote; the activity will run, but no virtual remote will appear. You can use **None** and then build a virtual remote for the activity using the Remote Design feature or you can specify a device in the **Opens Remote for Device** field (and modify the design using Remote Design, if desired).

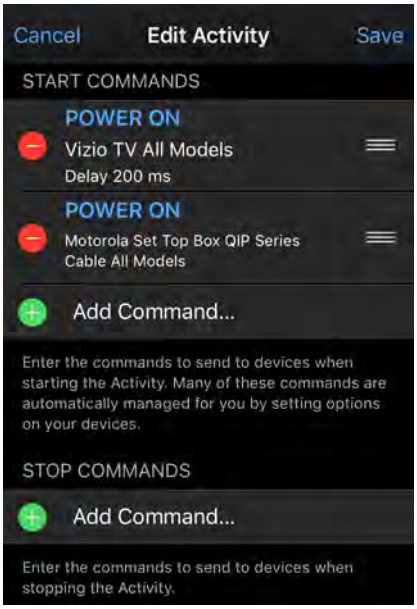
NOTE: **Opens Remote for Device** needs to be set for appropriate Guide information.

You can set the **Opens Remote for Device** field to any configured device: tap **Opens Remote for Device**, then tap the name of the device whose virtual remote you want to open for the activity on the **Activity Remote** screen, then tap **Save** when the **Edit Activity** screen appears.

- **Remote Design:** Lets you control the design of the virtual remote. Tap **Remote Design**, then change the settings on the **New Design** screen as desired. You can do things like add new buttons to the virtual remote or remove existing buttons, change locations, change the background image, and change the order of the buttons. If you make any changes, tap **Save** to save them.
- **Volume Control:** Lets you specify what device controls the volume up/down, mute, and volume feedback controls of the virtual remote. The **None** setting uses the volume control from the device listed in the **Opens Remote for Device** field. To select another device, tap **Volume Control**, then tap the desired device on the **Volume Control** screen.
- **Power Device:** Lets you specify a device to be turned on only for this activity. To specify a device, tap **Power Device**, then tap the desired device on the **Power Control** screen. Devices configured as **Power for All Activities** (in device settings) are not listed, as they are already configured to be powered on for all activities.

  For example, if you have a Blu-Ray player that you want powered on for only one activity, you would select that Blu-Ray player in **Power Device** for that one activity. Once saved, the Blu-Ray player would be powered on when the activity is running and powered off whenever you switch away from the activity.

- **Opens Guide:** Shows what guide gets opened for the activity. **None** means no guide has been specified for the activity. To specify a guide to open for the activity, tap **Opens Guide**, then specify and save a provider and your favorite channels (if desired). When the **Edit Activity** screen appears, the specified provider is shown.



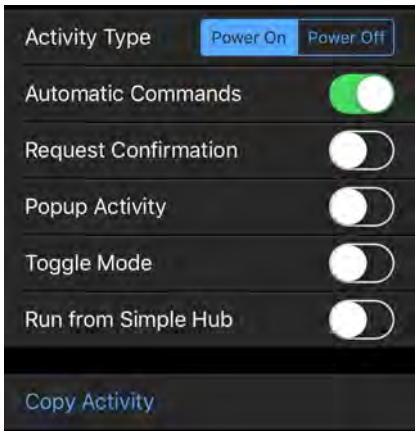
- **Start Commands:** Lists commands that will be executed when the activity is started. There are two ways for a command to be added to this section: they can be added automatically by Simple Control (for example, by enabling **Power for All Activities** in the device's settings) or you can add them manually using **Add Command**. Commands you add manually have a red icon next to them; tap this icon and then tap **Delete** (when it appears) to remove the command. Commands that are added automatically do not have an icon next to them; to remove them from the list, you need to change the underlying setting.

NOTE: You can prevent commands from being added automatically to an activity by disabling the **Automatic Commands** feature for the activity.

Start and Stop commands are executed in a specific order when you switch between activities. Before Activity 1 ends, the Stop commands for Activity 1 are executed. When Activity 2 begins, the Start commands for Activity 2 are executed.

- **Add Command:** Lets you manually add a command to be executed when the activity is started. Once added, the command appears in the **Start Commands** list. To add a command, tap **Add Command**, specify a URL or Activity or tap the device to which the command applies on the **Choose Target** screen, select the desired command on the **Choose Command** screen, check the settings for the command on the **Add Command** screen, then tap **Save**.
- **Stop Commands:** Lists commands that will be executed when the activity is stopped. Otherwise, they are just like **Start** commands.

- **Add Command:** Lets you manually add a command to be sent to devices when the activity is stopped. Once added, it appears in the **Stop Commands** list. You add a **Stop** command just as you add a **Start** command, described above.



- **Activity Type:** Controls the purpose of the activity. A **Power On** activity has **Start** and **Stop** commands; a **Power Off** activity has only **Stop** commands.
- **Automatic Commands:** Controls whether certain commands are added automatically to the activity based on the settings of devices and activities in the room.

  For example, if a device has **Power for All Activities** enabled, Simple Control automatically adds a **Power On** command for the device in the **Start Commands** section of the activity.

  If you later disable **Power for All Activities** for the device, the **Power On** command in the activity would be removed.

  In addition to **Power for All Activities** (a device setting), there are two other commands whose settings affect activities when **Automatic Commands** is enabled:

  - **Power Device** (an activity setting): **Power Device** lets you specify a device to be turned on only for the activity in which it is configured. When you configure **Power Device**, Simple Control automatically adds a **Start** command to power on the device when the activity starts and a **Stop** command to power off the device when the activity ends. If you later change the settings for **Power Device**, Simple Control automatically adjusts these commands.
  - **Input Switching** (a device setting): **Input Switching** lets you configure a device that will be receiving input from multiple sources to tell it which input to use for which activity. When you configure **Input Switching**, Simple Control automatically adds a **Start** command to each impacted activity to switch to the specified input source. If you later change the settings for **Input Switching**, Simple Control automatically adjusts these commands.

NOTE: You should disable **Automatic Commands** for special use activities that you do not want to be modified automatically.

- **Request Confirmation:** Enables a popup screen to confirm that you want to start the activity.
- **Popup Activity:** Enabling **Popup Activity** changes the activity so that, when activated, Simple Control does not leave the current activity.

NOTE: Activities with **Popup Activity** enabled do not execute **Stop** commands and cannot access guides.

Popup activities are useful for situations where you want to continue the current activity while also doing something else (controlling your lighting, for example). In this example, when you activate the popup activity, the current activity is not affected but the virtual remote for the popup activity appears so that you can control the device.

- **Toggle Mode:** Enabling **Toggle Mode** changes the activity so that supported devices with a toggle ability (such as Power in the Feedback column) can be set to toggle on and off.

NOTE: Activities with **Toggle Mode** enabled do not become the active activity when you use them nor do they have a virtual remote.

- **Run from Simple Hub:** When enabled, the activity is executed by Simple Hub rather than by the iOS device. This is useful for long-running activities that may not complete if the device were to lock during the execution of the activity. This command is only available when Simple Control is paired with Simple Hub.
- **Copy Activity:** Makes a copy of the activity. This is useful if you need an activity similar to one you have already configured. Copy the existing activity, then make the necessary changes.

Toggle Mode Activities and Conditionalizing Commands

Toggle Mode activities are useful when you want to continue the current activity while turning on or off another device (a projector, for example). When you activate the **Toggle Mode** activity, the device toggles between on and off without affecting the current activity and without displaying a virtual remote.

Activities with **Toggle Mode** enabled can be used with conditionalized commands that are part of other activities. Conditionalizing a command is useful when you want a command to execute under some circumstances but to be skipped under other circumstances.

For example, let's say you have a room with both a television set and a projector/screen. Sometimes you watch content on the television set (**Television mode**) and sometimes you watch content using the projector and screen (**Projector mode**).

First, you would create a **Toggle Mode** activity for the projector: when you tap the button, the projector goes on; when you tap it again, the projector goes off, and so on.

Second, you would create a regular activity to watch your content. This activity would include two conditionalized commands: one to bring down the screen, conditionalized to execute only when the projector is on (based on the state of the **Toggle Mode** activity), and another to turn on the television set, conditionalized to execute only when the projector is off (again, based on the state of the **Toggle Mode** activity).

Now it is easy to get the mode you want. If you want **Projector mode**, tap the **Toggle Mode** activity to turn on the projector, then tap the regular activity. Because the projector is on, the command to bring down the screen will be executed and the command to turn on the television set will be skipped.

And if you want **Television mode**, tap the **Toggle mode** activity to turn off the projector, then tap the regular activity. The command to turn on the television set will be executed and the command to bring down the screen will be skipped.

To conditionalize a command:

1. Enable **Toggle Mode** for an activity.
2. Open the activity that includes the command you want to conditionalize.
3. Tap the command you want to conditionalize.

   The **Edit Command** screen appears.
4. Tap **Activity Condition**.

   The **Activity Condition** screen appears.
5. Tap the activity with Toggle Mode enabled.

   The **Required State** screen appears.
6. Tap the desired status, **Off** or **On**.

   The command is skipped when the Toggle Mode activity is not in the selected state.

   The **Edit Command** screen appears, now showing the selected Activity Condition.

- **Reset on System Off:** (Only available when Toggle Mode is enabled.) Enable **Reset on System Off** if you have an activity with Toggle Mode enabled and you want the Toggle Mode activity to toggle off on **System Off**. **Reset on System Off** is enabled by default.
- **Copy Activity:** Copies the current activity and lets you add it to the current room or to another room.

  Copying an activity is useful for situations where you want to use the current activity as a template for a new activity. So you copy the current activity, add it to the desired room, and then make the necessary settings changes.

Editing an Activity

You can view or edit an activity's settings at any time after you configure it.

To edit an activity's settings:

1. Open Simple Control, navigate to the **Rooms** screen, then open the room the activity you want to edit is in.
2. If the room is in User mode, tap the mode icon to switch to Edit mode.
3. Tap the activity whose settings you want to view or edit.

   The **Edit Activity** screen appears for the activity you selected.
4. View the current settings and make any desired changes.
5. Tap **Save** if you make any changes, otherwise tap **Cancel**.

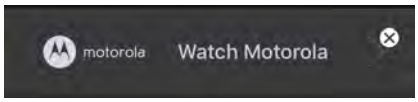
Deleting an Activity

If you no longer want an activity, you can delete it.

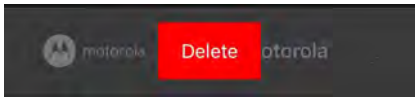
To delete an activity:

1. Open Simple Control, then open the room the activity you want to delete is in.
2. If the room is in User mode, tap the mode icon to switch to Edit mode.
3. Tap the white circle with a black **x** for the activity you want to delete.

   For this example, we will delete the **Vizio All Models TV** activity.



   A **Delete** button appears; it has a bright red background.



4. Tap **Delete**.

   The activity is deleted.

THE SYSTEM OFF ACTIVITY

Whenever you create a new room in Simple Control, a **System Off** activity is automatically created for it. **System Off** ends all activities in the room.

The **System Off** button has no title by default, just an icon. You can add a title if you like.

The default settings for the **System Off** activity include:

- **Opens Remote for Device, None:** You can configure the **System Off** activity to bring up a virtual remote, if desired.
- **Remote Design, None:** You can configure the **System Off** activity to bring up a custom remote design, even if it includes only the date and time.
- **Activity Type, Power Off:** The purpose of the **System Off** activity is to turn off the activity, so its **Activity Type** is appropriately set to **Power Off**.
- **Automatic Commands, Enabled:** The **System Off** activity needs to update as changes are made, so **Automatic Changes** are enabled.

7 Commands

This chapter describes how to use commands in Simple Control.

This chapter includes:

Overview

Simple Control sends commands to devices to control them.

For example, tapping a button on a virtual remote sends a command to a device. You can also add commands to activities so that those commands are sent automatically either at the start or at the end of the activity.

If you have an infrared device that is ***not*** supported by Simple Control, you can use the built-in learning ability of a Simple Blaster to learn the commands you need.

A code set is the entire set of commands needed to fully control a device. Simple Control are configured with the code sets for thousands of devices.

Viewing Commands as they are Sent

If you are looking at a virtual remote when a command is sent, you can see what command was sent, and to what device, at the top of the virtual remote.

The most recently sent commands appear at the top; the top command moves down when another command is sent.

So in this screen shot:

Guide was sent to the Set Top Box (STB) first, then **Replay** was sent to the STB, and finally **Exit** was sent to the STB.

If you want to see more than just the last two commands, pull down the three gray lines just under the commands.

If no commands are sent for a few seconds, the name of the current remote design appears where the commands were. You can still see past commands by pulling down the three gray lines.

Settings for Commands

Simple Control lets you control the settings for a command.

During the process of adding a command, the **Add Command** screen appears.

The settings on the **Add Command** screen are:

- **Device:** Shows the device to which the command will be sent. You specify this device on the **Choose Target** screen. To change the device, tap **Device** and then specify the desired device on the **Choose Target** screen. You will also have to specify the command again.

- **Command:** Shows the name of the command being configured. You specify this command on the **Choose Command** screen. To change the command, tap **Command** and then specify the desired command on the **Choose Command** screen.
- **Delay Next Command:** Lets you specify an amount of time that Simple Control waits before sending the next command to the same device; this gives the command extra time to execute. The default is **200 ms**. Available values are: **None** through **5 minutes**.

  Some devices do not respond properly if there is not enough time between commands. For example, infrared devices often require a delay between commands to recognize a new command. **Delay Next Command** lets you fine tune when the next command is sent to a device if you are experiencing issues.

  Delay Next Command applies only to the device shown in the **Device** field of the **Add Command** screen.

TECHNICAL NOTE: Default behavior for commands sent to devices is that each device has its own pipeline. If you delay a command sent to Device A, that delay has no effect on commands sent to Device B or any other device.

NOTE: Devices controlled by a Simple Blaster are seen by Simple Control as sharing one pipeline.

- **Delay All Devices:** When enabled, delays all command pipelines for the period specified in **Delay Next Command**.

IMPORTANT: This behavior is different from the behavior described in the Technical Note above.

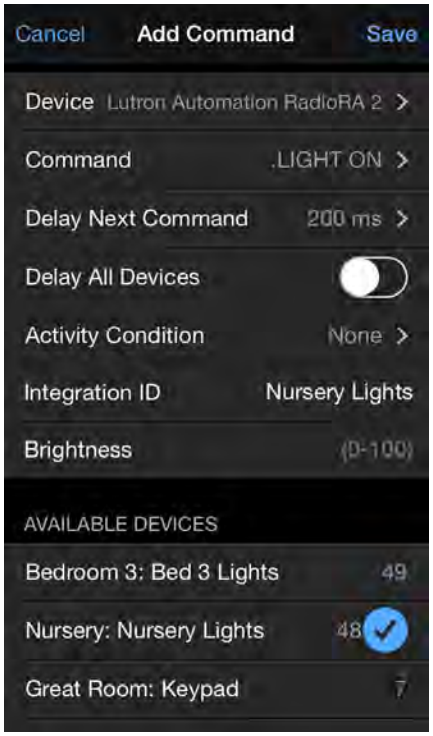
- **Repeat Command:** Gives you options for repeating the command. The default is **None**, which means you would need to tap the button again to repeat the command. Additional options include delays of **100 ms** through **5,000 ms**, which repeats the command once with the specified amount of time between the two commands; **Constant Touch**, which keeps repeating the command with the same amount of delay between commands while you hold down the button; and **Progressive Touch**, which repeats the command with long delays between commands at the beginning and then gradually shortening the delay the longer you hold down the button.
- **Activity Condition:** Used to specify a state, **Off** or **On**, for the command. Specifying a state is required to conditionalize a command, which is used with **Toggle Mode** activities.

  Refer to "Conditionalizing Commands" on page 84 for more information.

Commands with Additional Settings

Some commands have additional settings that appear on the **Add Command** screen when you select the appropriate device and command.

For example, the Lutron Caseta **.LIGHT ON** command has two additional commands, **Integration ID** and **Brightness**:



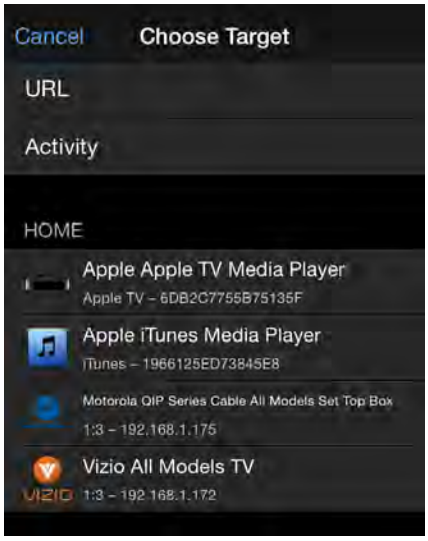
- **Integration ID:** Lets you set the ID number or name for the light whose brightness you are controlling.
- **Brightness:** Lets you set a brightness level, 0 being lowest and 100 being highest.

  The screen grab on the left, at the bottom, shows a manifest, a list of devices for which you can set the brightness.

  In this example, the device **Nursery Lights** has been selected from the manifest; the black checkmark with the blue background indicates the selected device.

Choosing a Target for a Command

When you are adding a command, one of the screens you see is the **Choose Target** screen.



In most cases, you use the **Choose Target** screen to select the device to which the command will be sent.

There are two additional target options for a command:

- **URL:** Lets you specify a URL as the target for the command. You can have the URL open:
  - **Silently** (the default). Loads the URL with no visual presentation of the resulting page. Used to load URLs that perform an action.
  - **in Safari**. Opens Safari on your iOS device and loads the specified URL. For example, you could create a special use activity named **Netflix Guide** and have it load http://movies.netflix.com/.

    You can also load app scheme URLs for other iOS applications in Simple Control. If the launched app supports it, you can launch back Simple Control using the Simple URL scheme: **simple://**.
  - **in Simple**. Loads the URL in Simple Control.

  Refer to the FAQ page about loading web pages on the Simple Control website for more information.
- **Activity:** Lets you specify an activity as the target for the command.

  If you specify an activity as the target of a command, the activity executes when the button is tapped.

  You also have the option of delaying the start of the activity for a time period from 10 seconds to 90 minutes, thus creating a timer-based trigger.

  For example, if you want to run the **System Off** activity in a room after 30 minutes have passed, you would create a new activity, name it something like **30 Minutes Off**, add a command to this activity whose target is the **System Off** activity, select a 30 minute delay, set the **Activity Type** to **Power Off**, disable **Automatic Commands**, save the activity, and finally specify a trigger agent.

  The process to create a timer-based trigger is described in more detail in "Time-Based Triggers" on page 141.

Adding a Command to a Virtual Remote

Simple Control lets you add a command to a virtual remote using the Remote Designs feature, which lets you create custom layouts for your virtual remotes.

So let's say, for example, that you use the **Previous Channel** command frequently, but you do not like the default location of the command on your virtual remote. You can add a new button to your virtual remote, add the **Previous Channel** command to it, and put it wherever you want on your virtual remote.

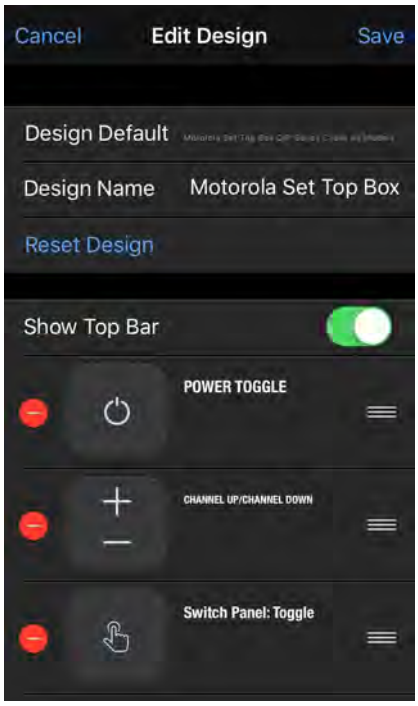
To add a command to a virtual remote:

1. In Simple Control, start the activity that includes the virtual remote you want to change.

   The virtual remote for the activity appears.

2. Tap the Mode icon (the pencil).

   The **Edit Design** screen appears.



The **Edit Design** screen lets you make a wide variety of changes to the look and feel of the virtual remote, including changing the order in which buttons appear, adding or removing buttons, viewing the time and date, adding a background image, and more.

3. At the bottom of the **Show Top Bar** section (which needs to be enabled for this procedure), tap **Add Button**.

Note: You can also add commands to a virtual remote in the **Button Grid** section.

The **Choose Type** screen appears.

The **Choose Type** screen lets you choose the way the command will be represented on the virtual remote.

4. Tap **Button**.

   The **Edit Button** screen appears.

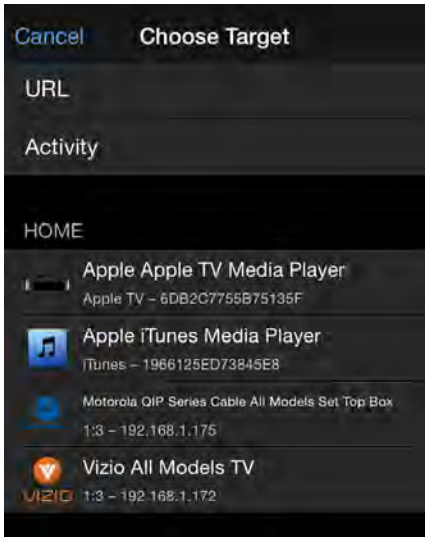
The **Edit Button** screen gives you control over aspects of the button.

For example, you can add a name that will appear on the virtual remote and you can add an image.

NOTE: Neither a name or an image is required, but they can make the button easier to locate.

5. Tap the **Name** field and enter **Back** (or **Prev**, or whatever you want) using the keyboard.
6. Tap **Done** on the keyboard to dismiss it.
7. Tap **Image** and select an image, if desired.
8. Tap **Add Command**.

The **Choose Target** screen appears.

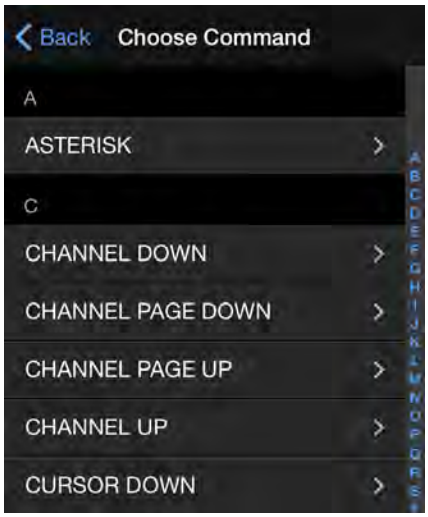


The **Choose Target** screen is where you select the device to which the command will be sent.

NOTE: The **Choose Target** screen lists all devices in all rooms, so make sure to select both the correct room and device.

9. Tap the device to which the command will be sent.

   The **Choose Command** screen appears.



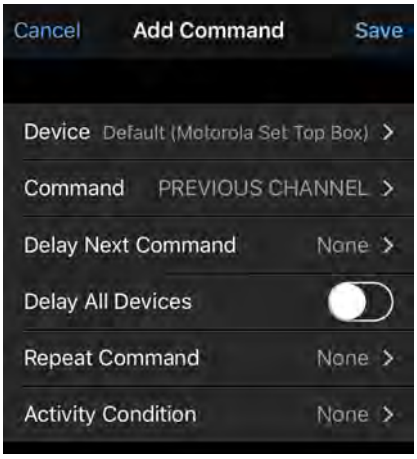
The **Choose Command** screen lets you specify which command will be sent.

Simple Control automatically displays only those commands that are relevant for the target device.

NOTE: You can tap the blue letters on the far right side of the **Choose Command** screen to move to the commands in that part of the alphabet. For example, to find the **Previous Channel** command, tap the **P**.

10. Tap **Previous Channel**.

The **Add Command** screen appears.

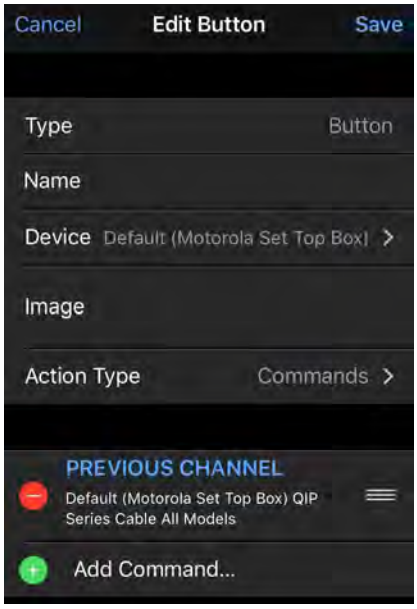


The **Add Command** screen gives you control over how the command is used.

These settings were described earlier in this document.

11. Configure the command appropriately; for this procedure, use the default settings.
12. Tap **Save**.

    The **Edit Button** screen appears, now showing **Previous Channel**.

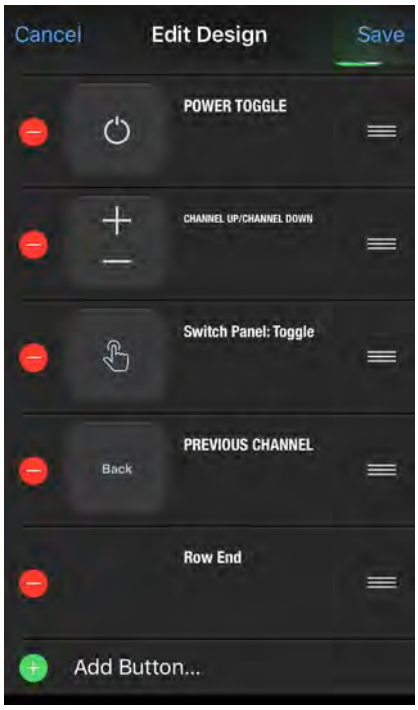


The **Edit Button** screen was seen earlier in this procedure.

Now it shows the name we assigned to the button (**Back**, in the **Name** field) and the command (**Previous Channel**) that will be sent to the Motorola Set Top Box when the button is tapped on the virtual remote.

13. Tap **Save**.

The **Edit Design** screen appears.



The **Edit Design** screen now shows the **Back** button (linked to the **Previous Channel** command) at the bottom of the **Show Top Bar** section, just above **Row End**.

You can change the location of any of the buttons in the **Top Bar** section by tapping and holding the three parallel lines on the far right side of the button and then dragging up or down.

NOTE: Changing the location of a button may also change its size on the virtual remote.

14. Tap and hold the three parallel lines on the right side of the **Previous Channel** command, then drag up until **Previous Channel** is just above **Row End**.

NOTE: Once you get **Previous Channel** above **Row End**, the two will switch places.

15. Tap **Save**.

The virtual remote appears, now showing the **Back** button on the right side of the **Top Bar** section.

Adding a Command to an Activity

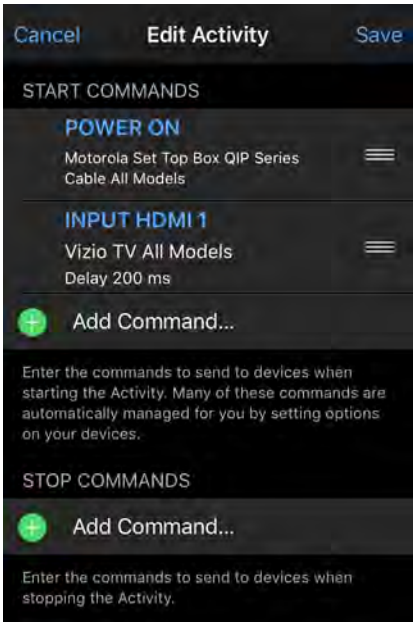
Simple Control let you add commands to an activity, either a **Start** command (executed when the activity begins) or a **Stop** command (executed when the activity ends).

Note: The following procedure adds the **Power On** command for a Vizio TV to an activity. This is just an example of how to add a command to an activity; the commands you add will be different.

To add a command to an activity:

1. Put Simple Control into Edit mode, then tap the activity to which you want to add the command.

   The **Edit Activity** screen appears.



The **Edit Activity** screen lets you make changes to an existing activity. When you create a new activity, the screen is similar, but it is called **Add Activity**.

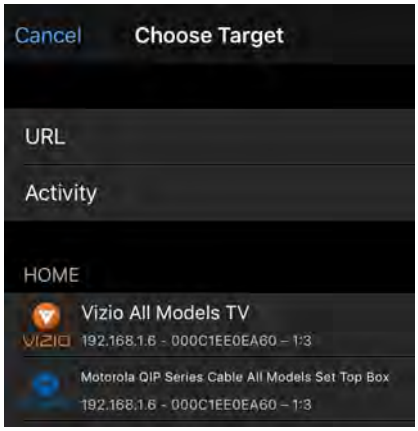
On this screen, there are two **Start** commands that are already part of the activity, **Power On** and **Input HDMI 1**.

By looking at these two **Start** commands we know they are created automatically by based on settings of the devices or the activity. This means they cannot be deleted from this screen; instead, you would have to change the underlying settings that caused them to be here.

If these commands had been created on this screen, they would have a red circle with a white minus sign to their left, which means they can be deleted from this screen.

2. Tap **Add Command** in the **Start Commands** or the **Stop Commands** section, depending on whether the command you are adding is to be executed when the activity starts or ends.

The **Choose Target** screen appears.

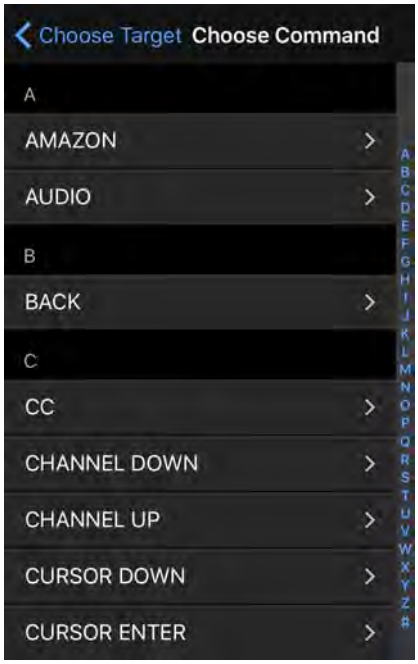


The **Choose Target** screen lets you select the device to which the command will be sent.

NOTE: The **Choose Target** screen lists all devices in all rooms, so make sure to select the correct room and device.

3. Tap **Vizio All Models TV** in the **Office** section.

   The **Choose Command** screen appears.



The **Choose Command** screen lets you select the command you want to send to the device.

The **Choose Command** screen lists appropriate commands for the selected device.

The selected device for this procedure is a Vizio TV, so the commands shown are the commands in the Vizio TV code set.

NOTE: You can tap a letter on the far right of the screen to skip to the commands that begin with that letter.

4. Navigate to **Power On** and tap it.

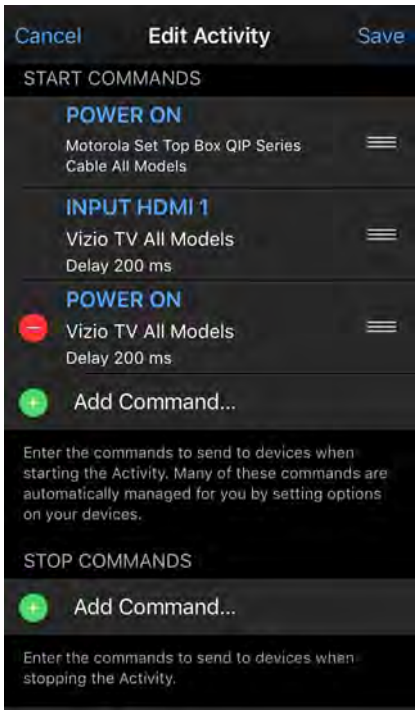
The **Add Command** screen appears.

The **Add Command** screen has two purposes: the first two settings show you what device and command are selected; the other settings give you control over the command.

NOTE: All of the settings on the **Add Command** screen are described in the **Settings for Command** section earlier in this document.

5. Configure the command appropriately, then tap **Save**.

   The **Edit Activity** screen appears.



The **Edit Activity** screen now shows the **Power On** command in the **Start Commands** section, which means that we successfully added it to the activity.

Commands that have a red circle with a white minus sign, like **Power On** for the Vizio TV in this image, were added using **Add Command**. They can also be deleted: tap the red circle with the white minus sign, then tap **Delete** when it appears.

Commands *without* a red circle with a white minus sign, like **Input HDMI 1** in this image, cannot be deleted on this screen because they were automatically added. To delete them, you need to change the underlying setting on the device.

6. Tap **Save**.

   You have successfully added the **Power On** command for the **Vizio TV** to the activity.

CONDITIONALIZING COMMANDS

Simple Control give you the ability to conditionalize commands, meaning that under certain conditions the command is executed, but under other conditions the command is skipped.

Conditionalizing commands requires two things:

- **A Toggle Mode activity:** A **Toggle Mode** activity toggles the device between on and off. When used with conditionalized commands, the state of the Toggle Mode activity (on or off) controls whether or not the conditionalized commands execute or not.

NOTE: **Toggle Mode** activities do not become the active activity nor do they have a virtual remote.

- **Another activity that includes conditionalized commands:** Conditionalized commands can only be used with a **Toggle Mode** activity.

For example, let's say you have a room with both a television set and a projector/screen. Sometimes you watch content on the television set (we'll call this **Television mode**) and sometimes you watch content using the projector and screen (we'll call this **Projector mode**).

So how do you use conditionalized commands to make it easy to switch between **Television mode** and **Projector mode**?

We are going to need four devices and two activities for the example. The devices are a set top box (for content), a television set, a projector, and a screen.

The two activities are for the set top box and the projector.

After you add all of the devices, create a **Toggle Mode** activity for the projector.

Next, create a normal activity to watch your content.

This activity would include two conditionalized commands:

- The first brings down the screen, conditionalized to execute only when the projector is on (based on the state of the **Toggle Mode** activity)
- The second turns on the television set, conditionalized to execute only when the projector is off (again, based on the state of the **Toggle Mode** activity)

NOTE: The two conditionalized commands could be in either activity, the **Toggle Mode** activity or the normal activity.

Now, if you want **Projector mode**, tap the **Toggle Mode** activity to turn on the projector, then tap the regular activity. Because the projector is on, the command to bring down the screen will be executed and the command to turn on the television set will be skipped.

And if you want **Television mode**, tap the **Toggle Mode** activity to turn off the projector, then tap the regular activity. The command to turn on the television set will be executed and the command to bring down the screen will be skipped.

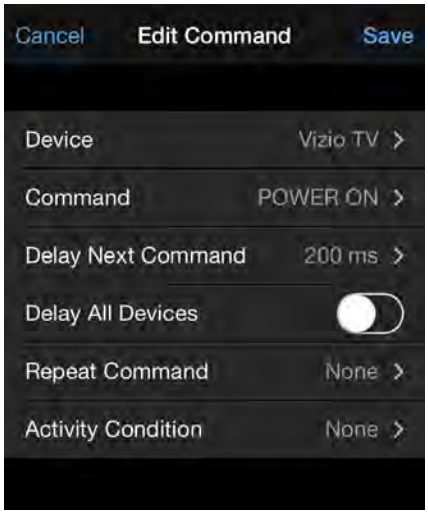
To conditionalize a command:

1. Enable **Toggle Mode** for an activity.

   For detailed instructions about enabling **Toggle Mode**, refer to "Toggle Mode Activities and Conditionalizing Commands" on page 67.

2. Open the activity to which you want to add the conditionalized command.
3. Tap the command you want to conditionalize.

   The **Edit Command** screen appears.



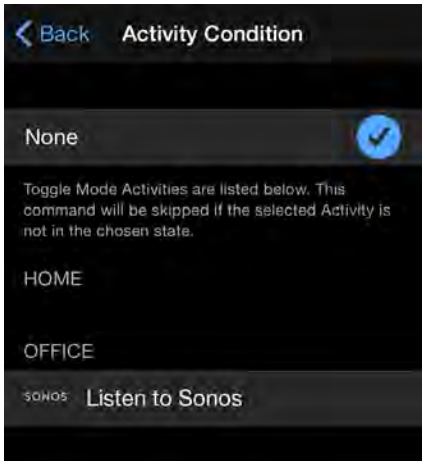
NOTE: This procedure shows an existing command being conditionalized. You can also add a command and conditionalize it at the same time, but there would be several more steps that are not shown here.

The **Edit Command** screen includes the **Activity Condition** setting at the bottom.

By default, the **Activity Condition** for a command is set to **None**.

4. Tap **Activity Condition**.

   The **Activity Condition** screen appears.



The **Activity Condition** screen shows:

- the current status of the **Activity Condition** setting, which in this case is **None**
- all defined rooms and any **Toggle Mode** activities in those rooms

In this example, there is just the one **Toggle Mode** activity, **Listen to Sonos**, in the **Office**.

5. Tap the activity with **Toggle Mode** enabled.

The **Required State** screen appears.

The **Required State** screen lets you set the state, **Off** or **On**, for the conditionalized command.

NOTE: A conditionalized command is executed when the **Toggle Mode** activity is in the selected state and skipped when the **Toggle Mode** activity is not in the selected state.

6. Tap the desired status, **Off** or **On**.

   The **Add Command** screen appears.

The **Add Command** screen now shows a different **Activity Condition**: **Listen to Sonos: On**, which means that the command is now conditionalized so that when the **Listen to Sonos Toggle Mode** activity is **On**, the command will be executed.

Conversely, when the **Listen to Sonos Toggle Mode** activity is **Off**, the command will be skipped.

LEARNING COMMANDS WITH A SIMPLE BLASTER

If you have an infrared-controllable device that is ***not*** supported by Simple Control, Simple Control can learn commands for the device while adding it as a device.

The learning capability requires a Simple Blaster (Wi-Fi or Ethernet version).

You can use the learning capability to add a complete code set for a device (as many or as few commands as you want) or add a few supplemental commands to an existing code set. In either case, you can use the Remote Design editor to get these commands onto your virtual remote once they are learned.

Do I Need to Learn Commands for my Device?

Learning commands is not a difficult task, but in many cases it is not necessary.

If you do not find your device on the list of supported devices or you configure your device but cannot control it, you still may ***not*** need to learn commands for the device.

Try these things first:

- Check the IR Compatibility list. If your device is listed, then you do not need to learn commands for it. If a similar model is listed, try adding it; minor naming differences can sometimes hide the fact that your model is actually supported.

  TIP: Before you finish adding a device, tap **Test Remote** on the **Add Device** screen. When the virtual remote appears, try a series of commands. If they work, then you have the correct code set and do not need to learn commands. If they do not work, go back and try a similar model.

- Try the troubleshooting tips for infrared devices. There are multiple reasons why you may not be able to control a device after you add it. Before starting to learn commands for the device, you should make sure it is not a configuration issue.

Learning Commands

The following procedure adds a command for a fictional HDMI switcher. The screens will be different when you learn commands for a device.

To learn commands:

1. Open Simple Control, open the appropriate room, then tap the Mode icon to enter Edit mode (if necessary).
2. Tap **Add Device**.

   The **Add Device** screen appears.
3. Tap your Simple Blaster.

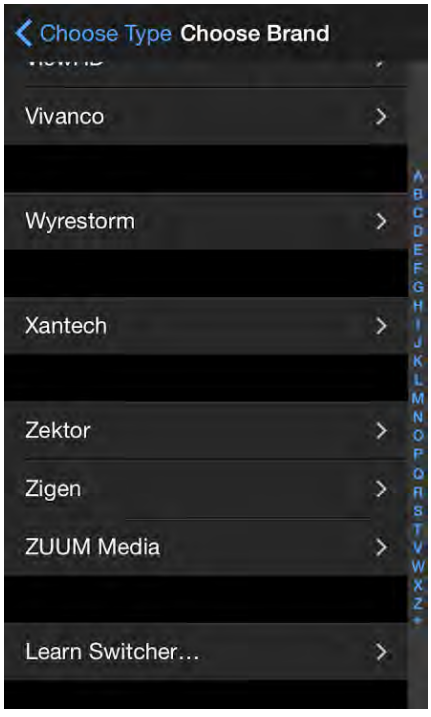
   The **Choose Port** screen appears.
4. Tap the appropriate port.

   The **Choose Type** screen appears.
5. Tap the appropriate type.

   We selected **Switcher** for this demonstration.

NOTE: When you are learning commands for an unsupported device, choose the same type of device.

The **Choose Brand** screen appears.



Because the company whose device we are learning commands for is fictional, it is not listed on the **Choose Brand** screen.

When the company is not listed on the **Choose Brand** screen, go to the bottom of the list and select **Learn Switcher**.

If you are learning additional commands for a supported device, select the company on the **Choose Brand** screen and the appropriate model on the **Choose Model** screen.

If you are learning commands for an unsupported device whose company is listed on the **Choose Brand** screen, select the company on the **Choose Brand** screen and then the **Learn [product]** command on the **Choose Model** screen.

For example, if you select **Apogee** on the **Choose Brand** screen, you would select **Learn Apogee Switcher** on the **Choose Model** screen.

6. Tap **Learn Switcher**.

The **Infrared Device** screen appears.

Because we are adding a fictional device, we need to manually enter the **Brand** and the **Model**.

7. Tap the blue **i** with the circle around it in the **Brand** field, enter the brand name of the device, then tap **Save**.
8. Tap **Model / Category**, enter the appropriate model or category of the device, then tap **return** on the bottom row of the keyboard.

   The **Learning Instructions** screen appears.

NOTE: Read the text on the **Learning Instructions** screen carefully if this is your first time learning commands.

9. Tap **Next**.

   The first of the screens listing command names appears.

10. Tap **Next** until the name of a command you want to learn appears at the top of the screen.

The blue text **Previous** and **Next** lets you move around in the list of commands.

For this procedure, we will be learning one command, **Cursor Down**, to demonstrate the process.

NOTE: The screens you see when learning commands for a device will be different.

Notice the gray circle in the image to the left. When the circle is gray, it means you can move between commands without starting the learning process.

IMPORTANT: A command cannot be learned while the circle is gray.

You can always see how many recommended commands have been learned and how many are available to be learned. In the image to the left, **0** have been learned out of **51** that can be learned.

11. Tap the gray circle in the middle of the screen.

    The gray circle turns red and begins to blink.

NOTE: If you tap the gray circle but it does not blink red after a few seconds, it means that Simple Control cannot communicate with the Simple Blaster. Check the configuration of the device and then try again.

Simple Control is ready to learn the command shown at the top of the screen when the following are both true:

- The circle in the middle of the screen is blinking red.
- The text at the bottom of the screen reads: "Point the remote at the learning device and briefly tap the button for the command to be learned."

12. Hold the ***physical remote for the device*** about four inches from the Learning Eye on the Simple Blaster, then press and release the appropriate button on the physical remote.

NOTE: The Learning Eye is just under the **Reset** button on the front of the Simple Blaster.

If the command is understood, the red circle stays solid red and the semi-circle above the red circle begins to blink.

When the red circle is solid red and the semi-circle above the red circle begins to blink, this means the command has been understood one time, with two more times needed to learn the command.

13. Press the same button again, with the physical remote in the same location.

If the command is understood a second time, the red circle and the first semi-circle stay solid red, and the top semi-circle begins to blink.

The command needs to be understood a third time for it to be learned.

14. Press the same button again, with the physical remote in the same location.

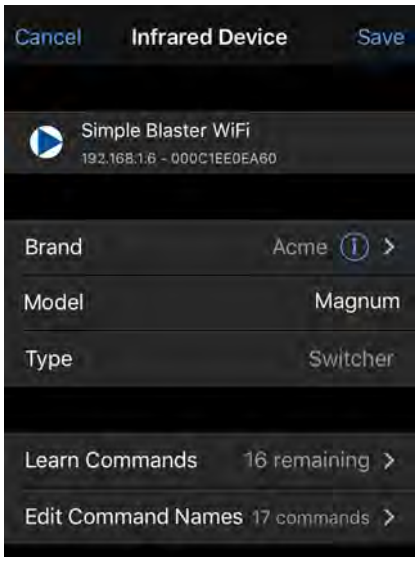
    If the command is understood a third time, the command is learned.

When a command is successfully learned, the following happens:

- the count of learned commands increases by one (in this case, from **0/51** to **1/51**)
- a green check mark appears in the middle of the screen
- the text at the bottom of the screen indicates the command was learned successfully
- after a few seconds, the screen moves automatically to the next unlearned command

15. When you are done adding commands, tap **Done**.

    The **Infrared Device** screen appears.



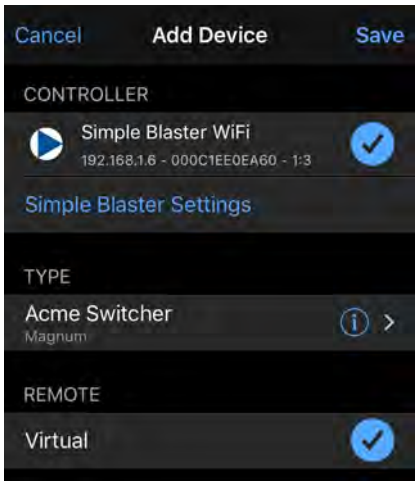
The **Infrared Device** screen displays information about the device you are creating in Simple Control by adding the commands for it.

In addition to showing the **Brand**, **Model**, and **Type**, it also shows:

- **Learn Commands:** Shows how many commands of the recommended commands remain to be learned and takes you back to those remaining commands when you tap it.
- **Edit Command Names:** Shows how many recommended commands there are for the device and takes you to a list of those commands when you tap it.

16. Tap **Save**.

The **Add Device** screen appears.



The **Add Device** screen shows that the Acme Switcher has been added as a device.

17. Tap **Save**.

    The **Create Activity** popup appears.

18. Tap **No**.

    The **Activities List** screen for the room appears, now showing the new device, the Acme 8008 Switcher.

Learning Additional Commands

If you do not learn all of the recommended commands for a device, you can go back at any time and learn one or more of the remaining commands.

To learn additional commands:

1. In Edit mode, tap the device for which you want Simple Control to learn additional commands.

   The **Edit Device** screen appears.

2. Tap the blue **i** in a circle for the device in the **Type** section.

   The **Infrared Device** screen appears.

NOTE: If the **Choose Model** screen appears, you missed the blue **i** in a circle; tap **Edit Device** to return to the **Edit Device** screen and try again.

3. Tap **Learn Commands**.

   The **Learning Instructions** screen appears.

4. Learn the desired commands using the same process described in the previous procedure.

Editing Command Names

You can edit the names of the recommended commands for a device, see a list of the recommended commands, and add additional commands to the list of recommended commands for a device.

To edit command names:

1. In Edit mode, tap the device to which you want to add additional commands.

   The **Edit Device** screen appears.

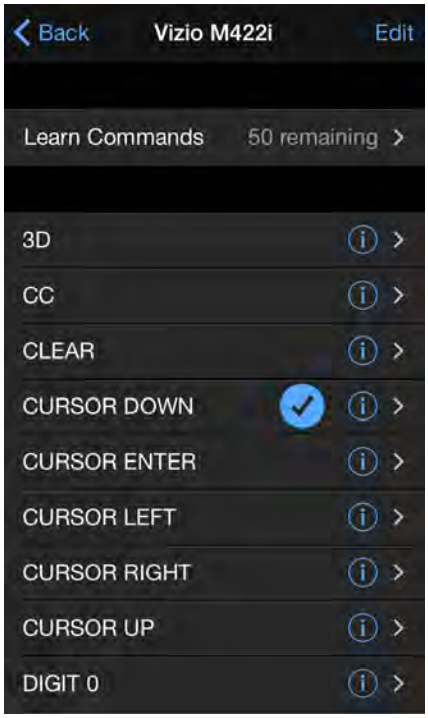
2. Tap the blue **i** in a circle for the device in the **Type** section.

   The **Infrared Device** screen appears.

NOTE: If the **Choose Model** screen appears, you missed the blue **i** in a circle; tap **Edit Device** to return to the **Edit Device** screen and try again.

3. Tap **Edit Command Names**.

   A screen named for the device you added appears.



4. To edit the name of a command, tap its current name.
5. On the **Edit Command Name** screen, use the keyboard to edit the name, then tap **return** on the bottom row of the keyboard.
6. To delete any of the commands from the list, tap **Edit**, then tap the red circle with the white minus sign that is next to the command you want to delete, then tap **Delete** when it appears.
7. When you are done deleting commands from the list, tap **Done**.

8. To learn any of the currently unlearned commands, tap the blue **i** in a circle for the command you want to learn, then teach the command using the procedure described above.
9. To add a new command to the list, tap **Add Command** (at the bottom of the list), enter the name for the new command on the **Add Command Name** screen, then tap **return** on the bottom row of the keyboard.

   The new command appears on the list; it can be learned just like any other command on the list.
10. Tap **Back** when you are done editing command names.

    The **Infrared Device** screen appears.
11. Tap **Save**.

    The **Edit Device** screen appears.
12. Tap **Save**.

    The **Activities List** screen for the room appears.

Adding Support for a Specific Device

You can add support for specific infrared-, direct IP-, or serial-controllable devices if you have the code set for the device in either the Pronto flat format or the Global Caché format.

Note: To add support for an infrared-controllable device, you must have a Simple Blaster. If you are using a third-party adapter, you must also have a Simple Service subscription.

Simple Control supports two code set formats:

- **Pronto flat format:** Each code usually begins with four zeros (0000).
- **Global Caché format:** Each code begins with a frequency number usually close to 38000.

Important: Adding support for a device by adding their code set requires some technical expertise. If done incorrectly, you may not be able to control your device.

You can download the Device Development Kit for advanced information about working with device code sets from the Simple Control website.

Important: If you are going to edit plist files, Simple Control strongly recommends using Xcode, which is available for free from the Mac App Store. You may also use a quality XML editor, like BBEdit, but you ***must*** make sure to maintain the XML formatting. ***Do not use low-quality text editors; they are virtually certain to corrupt the XML formatting.***

If you have the code set for a device in a supported format, use the following configuration backup method to add the codes to Simple Control.

To add a code set using Dropbox:

1. In Simple Control, got to **Settings** and create a backup of your configuration using the **Backup to Dropbox** command.

NOTE: If you have not already done so, you will need to create a Dropbox account (go to Dropbox.com for more information) and link Simple Control to that account before you can save a configuration backup to the account.

2. Go to your Dropbox account and open the list of files stored on it.

NOTE: You can only store one configuration backup per Dropbox account.

3. Move your **RoomieCodes.plist** file into Simple folder, overwriting the existing **RoomieCodes.plist** file.

IMPORTANT: If you already have a **RoomieCodes.plist** file with custom codes, make sure to save a copy of it before overwriting it, if you want to save those custom codes.

4. Return to **Settings** in Simple Control and restore your configuration using **Restore from Dropbox**.
5. Open Simple Control and add the device whose code set you just added.

8 Settings

This chapter describes the settings for Simple Control.

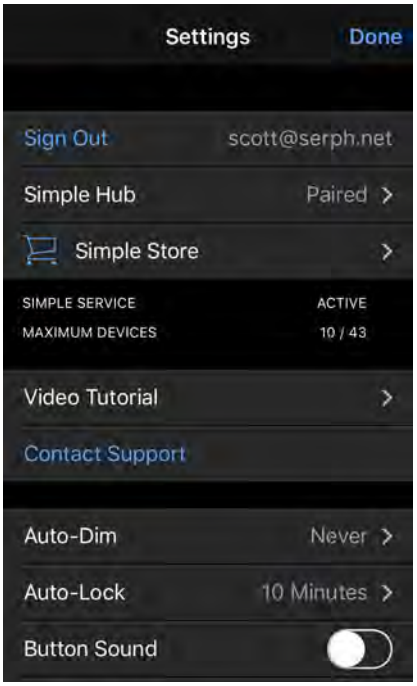
This chapter includes:

ACCESSING SETTINGS

To access Settings:

1. Open Simple Control.
2. Tap the **Settings** icon at the top of the screen. 

   The **Settings** screen appears.



The **Settings** screen gives you access to the settings for Simple Control.

3. Tap **Done** to exit from the **Settings** screen when you are finished.

SIGN IN / LOCATION / MULTIHOME FEATURE

Tap **Sign In** to log in to your Simple Control account, which keeps track of your Simple Control purchases and is required for some features.

You create your Simple Control account on the Simple Store at https://store.simplecontrol.com/index.php/customer/account/login/.

Once created, log in to your Simple Control account on each of your Simple Control clients (**Settings > Sign In**) and each time you use the Simple Store.

Once you are signed in, the **Sign In** text changes to **Location**. When you tap **Location**, the **Locations** popup appears, which gives you access to the name and description of your current location, lets you edit locations (part of the Multihome feature; refer to Chapter 13, Multihome, for more information), and lets you sign out from your Simple Control account.

Creating a Simple Control Account

Create your Simple Control account on the Simple Control website.

To create a Simple Control account:

1. On a web browser, navigate to the Simple Store at https://store.simplecontrol.com/index.php/customer/account/login/.
2. Enter the required information in the **Create an Account** section, then click **Submit**.

   Your Simple Control account is created.

   You will receive a confirmation email at the email account you used that explains more about what you can do when logged in to your account.

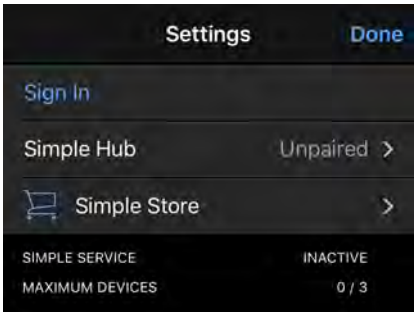
Signing In to your Account

Signing in to your Simple Control account on a Simple Control client ensures you have access to all of your Simple Store purchases. It is also required for certain features.

To sign in to your Simple Control account:

1. Open Simple Control, then tap the **Settings** icon.

   The **Settings** screen appears.



If you are ***not*** signed in, as shown here, the text reads **Sign In**.

Once you are signed in, the text changes to read **Location**.

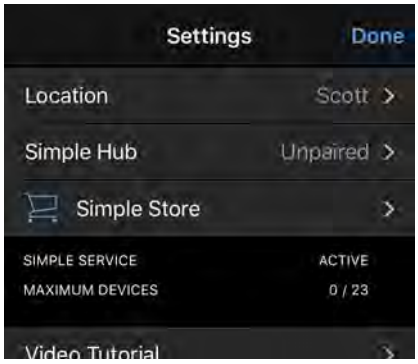
2. Tap **Sign In**.

   The **Sign In** screen appears.

The keyboard is covering the **Sign In** button in this screen shot.

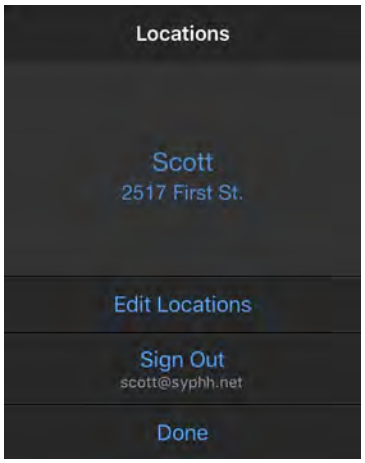
3. Enter the **Email** address and **Password** for your Simple Control account.
4. Tap **Sign In** or **Go** on the keyboard.

The **Settings** screen appears.



When you are signed in, the text reads **Location**.

5. Tap **Location**.
6. The **Locations** popup appears.



The blue text shows your current location.

7. Tap **Edit Locations** to edit the name or the description of your location, or to add an additional location.

   Adding additional locations is part of the Multihome feature. Refer to Chapter 13, Multihome, for more information.

8. Tap **Sign Out** to sign out of your Simple Control account or click **Done** to close the **Locations** popup.

SIMPLE HUB

Shows your current pairing status, lets you access additional pairing information and features, and provides access to the Remote Access feature.

Simple Control configurations can now be secured by pairing Simple Control clients with Simple Hub.

Simple Hub pairs with the first Simple Control client on the local network without asking for approval. All additional Simple Control clients must be approved: the second client must be approved by the first client, the third client can be approved by either the second or third client, and so on.

For additional information about pairing your Simple Control client with Simple Hub, refer to the *Simple Hub User Guide*.

Simple Hub Devices

Tap the name of a Simple Hub device to which the Simple Control client is paired to access settings for that Simple Hub device.

To access Simple Hub related settings on a Simple Control client:

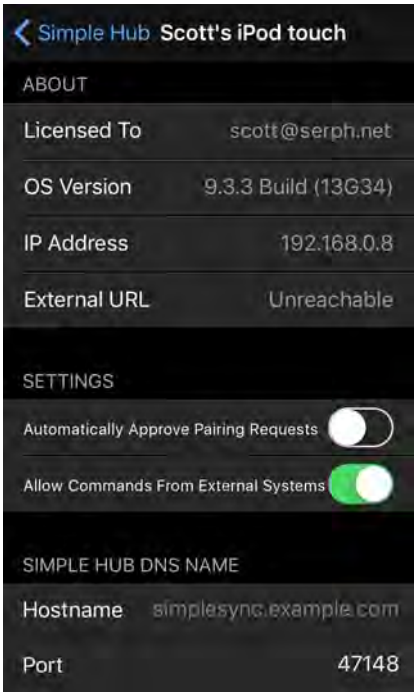
1. On the client, open **Settings**, tap **Simple Hub**, then tap the name of the device hosting Simple Hub in the **Simple Hub Devices** section.

In this example, the **Simple Hub** field shows **Enabled**, which means that Simple Hub for iOS is enabled on the device.

If this device was paired with Simple Hub for iOS running on another device, the field would be **Paired With** and it would display the name of the other device.

2. Tap **Scott's iPod Touch**.

The screen showing the Simple Hub settings for Scott's iPod Touch appears.



Simple Hub settings on clients are:

- **Licensed To:** Displays the email address of the Simple Hub License owner. Displays **Unlicensed** if the client is not paired.
- **OS Version:** Shows the version of the operating system hosting Simple Hub: macOS for a Mac, tvOS for Apple TV, iOS for an iOS device, or Android for the appliance.
- **IP Address:** Shows the IP address of the Simple Hub device on the local network.
- **External URL:** Shows the URL needed to make a connection to Simple Hub from *outside* your network.

  If a URL appears (for example, **https://198.51.100.100:47148**), you do not need to do anything. Note that the IP address in your URL will be different than what is shown in this example.

  If a URL does ***not*** appear, refer to **Simple Hub DNS Name** for more information.
- **Automatically Approve Pairing Requests**: When enabled, Simple Hub automatically approves all pairing requests; approval from an already-approved client is no longer required.
- **Allow Commands from External Systems**: When enabled, Simple Hub allows commands from external systems, such as SmartThings or other systems that use Simple Control's REST API.
- **Collect Diagnostics**: Tells Simple Hub to collect diagnostic information for analysis by Simple Control Support. Not available if Simple Hub for iOS is enabled on the Simple Control client.

When enabled, **Collect Diagnostics** generates a significant amount of data. Be sure to disable it when you are done gathering the necessary information.

- **Send Diagnostics:** Tap to send collected diagnostic information to Simple Control Support. Not available if Simple Hub for iOS is enabled on the Simple Control client.
- **Simple Hub DNS Name:** Used to set up a port forwarding rule on your router to support access from outside your network, *if needed*. Most routers will ***not*** require a port forwarding rule to be created. A port forwarding rule is generally only needed with older routers that do not support standard protocols and thus remote access does not work initially.

  If a URL appears in the **External URL** field, you do not need to create a port forwarding rule. If a URL does ***not*** appear in the **External URL** field, put your external IP address in the **Hostname** field, then configure a port forwarding rule on your router. Refer to your router's documentation for information about creating a port forwarding rule.

NOTE: Amazon Echo support does *not* require port forwarding. Only the Remote Access feature and External Commands may require port forwarding.

3. Tap **Simple Hub** to return to the **Simple Hub** screen.

Synchronization Peers

Simple Hub keeps your Simple Control configurations securely synchronized on all of your clients. Changes on one client are automatically reflected on all other clients.

Even if no Simple Control clients are active, Simple Hub tracks configurations, status for all activities, and power states of all devices.

You can view all current synchronization peers on the **Simple Hub** screen of the **Settings** on a paired Simple Control client.

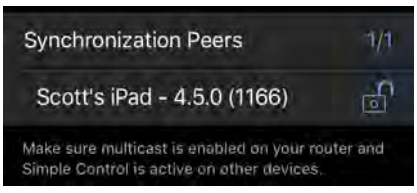
To view synchronization peers:

1. On a Simple Control client paired with Simple Hub, open **Settings**, then tap **Simple Hub**.

   The **Simple Hub** screen appears.

2. Tap **Synchronization Peers**.

   The current synchronization peers display.



This screenshot shows one synchronization peer: **Scott's iPad**.

The unlocked padlock icon next to **Scott's iPad** indicates that its configuration can be locked using the Configuration Lockdown feature.

Devices with Simple Hub enabled do not appear as synchronization peers.

To lock the configuration of a synchronization peer:

1. Tap the padlock icon.
2. On the screen that appears, enter a PIN, then tap **Done**.

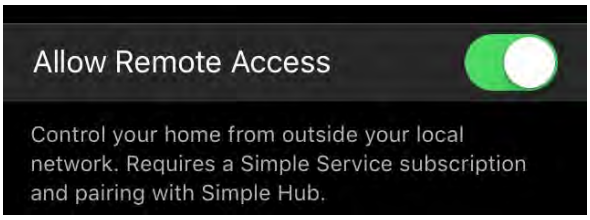
   You must use numbers; letters and special characters are not allowed.
3. To unlock the configuration, switch to the device you locked, open the Simple Control client, then tap the **Settings** icon.
4. Enter the PIN you created above.
5. When the correct PIN is entered, the **Settings** screen appears.
6. Navigate to **Prevent Editing**, then disable it (tap or slide the white circle until the green background disappears).

   The configuration is unlocked.
7. Tap **Done**.

Enable Simple Hub

Gives you control over the Simple Hub for iOS feature. Refer to Chapter 14, Simple Hub for iOS, for more information about Simple Hub for iOS.

Remote Access



The Remote Access feature lets you control devices from outside your local network.

NOTE: You cannot control RTSP cameras (that is, cameras that stream live video) remotely. Cameras that send still images, NestCam and DropCam, are controllable.

The Remote Access feature requires: Simple Hub, a Simple Service subscription, and that you be logged in to your Simple Control account.

You must enable the Remote Access feature to integrate Simple Control with Amazon Echo. Refer to the *Simple Control/Amazon Echo Integration Guide* for more information.

Before you can control devices from outside your local network, you must:

- securely pair the Simple Control client with Simple Hub
- log in to your Simple Control account (refer to "Sign In / Location / Multihome Feature" on page 101 for more information)

To set up a Simple Control client for remote access:

1. On the Simple Control client, open **Settings**.

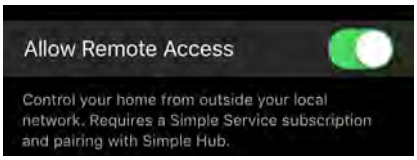
   The **Settings** screen appears.

2. Tap **Simple Hub**.

   The **Simple Hub** screen appears.

3. Verify that the Simple Control client is paired with Simple Hub.

4. Make sure **Allow Remote Access** is enabled (the slider has a green background).

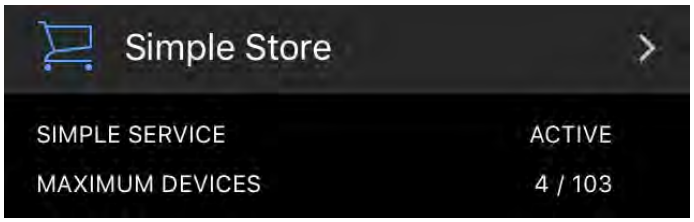


This screen shot shows Remote Access enabled.

5. If you have an iPhone, you can turn off Wi-Fi and use Simple Control to verify that remote access is working correctly.

6. Otherwise, take your iOS device to a remote location with Internet access and use Simple Control.

SIMPLE STORE



Simple Store has three components:

- **Simple Store:** Opens the Simple Store on your iOS device; described below.
- **Simple Service:** Shows whether a Simple Service subscription is active or inactive.

  If Simple Service shows **Inactive** when you believe it should show **Active**, go to the Simple Store, tap **Restore Purchases**, then return to **Setting**s.

IMPORTANT: Simple Service subscriptions purchased in Simple Control Legacy remain active in Simple Control Version 4.5.

- **Maximum Devices:** Shows both the number of configured devices and the maximum number of devices you can configure.

  So **4/13** means you have configured four devices of a maximum of 13.

Tap **Simple Store** to view the **Simple Store** screen.

The Simple Store screen gives you access to:

- **Simple Service:** Purchasing a Simple Service subscription gives you personalized TV and media guides, DVR control, adds clock display and alarms, supports triggers, and provides backup and restore of Simple Control configurations. Tap the desired subscription to start the purchase process, tap **Buy**, then follow the on-screen prompts. **Active** appears if you have already purchased a subscription.
- **Simple Hub License:** Lets you purchase a Simple Hub License, which is required for all versions of Simple Hub.
- **Simple Multihome License:** Lets you purchase a Simple Multihome License, which lets you manage multiple Simple Control locations, switch locations, assign permissions, and more.
- **Simple Accessories information:** Simple Blaster Ethernet and Simple Blaster Wi-Fi products, which let you get infrared- and serial-controlled devices onto your home network via an Ethernet or Wi-Fi connection, are both described.
- **Simple Hub for Mac and the Simple Hub appliance:** Simple Hub for Mac provides screen, keyboard, and mouse control of the host macOS system. The Simple Hub appliance is dedicated hardware that runs Simple Hub software.
- **Restore Purchases:** Always appears at the bottom of the **Simple Store** screen. Tap **Restore Purchases** to restore purchases you have made that are not active. This may be necessary if you are restoring from a backup configuration, resetting the configuration of an iOS device, or reinstalling the Simple Control client.

Tap **Done** to return to the **Settings** screen.

VIDEO TUTORIAL

Tap **Video Tutorial** to open the current Simple Control Setup Tutorial, which walks you through an initial configuration of Simple Control, including rooms, devices, and activities.

NOTE: The Simple Control Setup Tutorial is also available online.

Tap to start the video. If you need to stop the video before it is over, tap the screen to access the controls.

Tap **Settings** in the upper left corner to return to the **Settings** screen.

Contact Support

Tap **Contact Support** to send an email message to Simple Control Support. Your default email client will open, with a blank email addressed to Simple Control Support.

Important: This is the recommended method for contacting Simple Control Support, as it provides additional information about your configuration.

Note: If you have not configured an email client on the iOS device, you will be prompted to do so.

Tap **Send** in the upper right hand corner to send the message.

The **Settings** screen appears automatically after you send the message.

Auto-Dim

Tap **Auto-Dim** to set a period of inactivity after which the Simple Control screen dims.

Available values are: **Never**, **10 Seconds**, **30 Seconds**, **1 Minute**, **2 Minutes**, **5 Minutes**, **10 Minutes**, **30 Minutes**, and **1 Hour**.

The **Settings** screen appears automatically when you change to a new value. Tap **Settings** in the upper left corner to return to the **Settings** screen without changing the current value.

Auto-Lock

Tap **Auto-Lock** to set a period of inactivity after which the Simple Control screen automatically locks.

Available values are: **Default** (the iOS device's Auto Lock setting is used), **10 Minutes**, **30 Minutes**, **1 Hour**, **2 Hours**, and **Never**.

The **Settings** screen appears automatically when you change to a new value. Tap **Settings** in the upper left corner to return to the **Settings** screen without changing the current value.

Button Sound

Enable **Button Sound** (by tapping the slider so that the green background appears) if you want buttons on your virtual remote to make a sound when you press them.

Button Sound is off by default.

Button Vibrate

Enable **Button Vibrate** (by tapping the slider so that the green background appears) if you want buttons on your virtual remote to vibrate when you press them.

NOTE: **Button Vibrate** works only on an iPhone; it has no effect on an iPad or iPod Touch, as they do not support vibration.

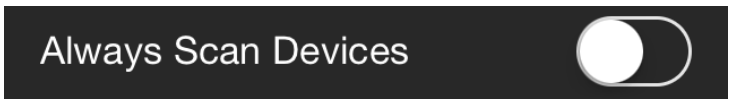
Button Vibrate is on by default.

Incoming Call Pauses

Enable **Incoming Call Pauses** (by tapping the slider so that the green background appears) if you want Simple Control to invoke the Pause button on the active virtual remote when you receive an incoming phone call.

NOTE: **Incoming Call Pauses** has no effect on iOS devices that do not receive telephone calls. You must have an activity open with a virtual remote that has a Pause button. If your Pause button is configured with additional commands, those other commands will also be invoked.

Always Scan Devices

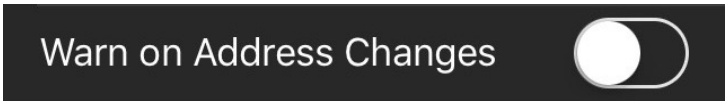


Enable **Always Scan Devices** (by tapping the slider so that the green background appears) if you want Simple Control to continuously scan for devices on your home network.

NOTE: Always scanning for devices can be useful for quickly detecting changes to the IP address of a device. It increases battery usage over time, however, so it is best if it is used on an iOS device that is always plugged in to a power source.

Always Scan Devices is off by default.

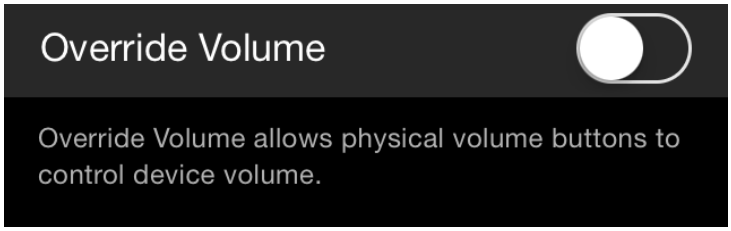
WARN ON ADDRESS CHANGES



Enable **Warn on Address Changes** if you want Simple Control to display a warning message when the IP address of a device changes.

Warn on Address Changes is on by default.

OVERRIDE VOLUME



Enable **Override Volume** if you want the physical volume buttons on your iOS device to control device volume.

Override Volume is off by default.

CHANNEL GUIDES

Channel Guides shows the current number of configured channel guides.

NOTE: You must specify at least one provider before you can add a guide.

To specify a provider:

1. Tap **Channel Guides**, then tap **Add Provider** on the **Guide Settings** screen.
2. Specify a **Country**, **Language**, and **Postal Code** on the **Add Provider** screen.
3. When the **Providers** list appears, make the appropriate selection, then tap **Save**.

To add a guide:

1. On the **Guide Settings** screen, click **Add Guide**.
2. On the **Add Guide** screen, tap **Provider**; tap the desired provider from the list that appears, which should include the provider you specified above.

   The **Favorites** screen appears.

On the **Favorites** screen, tap to the right of those channels you want to set as favorites.

A black check mark on a blue circle appears for those channels you select.

NOTE: Simple Control shows all available channels, including premium channels that require additional payment. So while you may be able to see a channel in the list, it does not necessarily mean you can view it.

3. Tap **Save**.
4. On the **Add Guide** screen, click **Save**.
5. Tap **Settings** on the **Guide Settings** screen.

   The **Settings** screen appears.

REMOTE DESIGNS

Tap **Remote Designs** to view existing remote designs or to add a new design.

The **Remote Designs** screen shows all remote designs; it also includes the **Add Design** button, which lets you create a new design for your remote.

NOTES: You can also view and edit designs within an activity. Some remote designs are created automatically.

Proximity Automation

Tap **Proximity Automation** to configure the Proximity Automation feature, which makes your Simple Control location aware; that is, you can configure actions based on location.

For example, Proximity Automation lets you set up a rule such as "Turn on this room's lights when my iPhone comes with four meters of this iPad" or "Turn off the lights when my iPhone leaves the room."

Note: Proximity Automation requires a Simple Service subscription and iOS devices capable of Bluetooth 4.0 BLE (iPhone 4S or greater, iPad 3 or greater, iPod Touch 5 (2012) or greater).

Tap **Proximity Automation** to set up Proximity Automation for a specific iOS device.

Refer to the Proximity Automation Setup section of the Support FAQ on the Simple Control website for more information about Proximity Automation.

Triggers

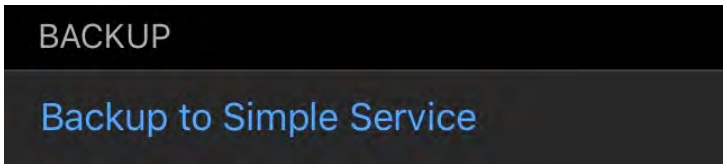
Tap **Triggers** to configure the Trigger feature, which is the ability to monitor the status of a device and take an action when the status of the monitored device changes to something you have specified.

For example, if a keypad button press initiates the Watch TV activity, you could set that up with a trigger.

Note: Triggers require a Simple Service subscription.

Refer to Chapter 10, Triggers, for detailed information about triggers.

Backup to Simple Service

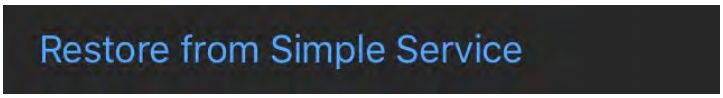


Tap **Backup to Simple Service** to back up your current Simple Control configuration.

NOTE: Backup to Simple Service requires an active Simple Service subscription. If you do not have one, you will be prompted to visit the Simple Store to purchase it. More information about Simple Service is available here.

Refer to "Backup to Simple Service" on page 114 for detailed information about backing up your Simple Control configurations to Simple Service.

RESTORE FROM SIMPLE SERVICE



Tap **Restore from Simple Service** to restore the most recent Simple Control configuration that was backed up to Simple Service.

Refer to "Restore from Simple Service" on page 115 for detailed information about restoring a Simple Control configuration from Simple Service.

LINK DROPBOX

Use **Link Dropbox** to link Simple Control to your Dropbox account.

NOTE: If you linked to Dropbox using the Roomie Remote app, you **must** re-establish the Dropbox link in Simple Control.

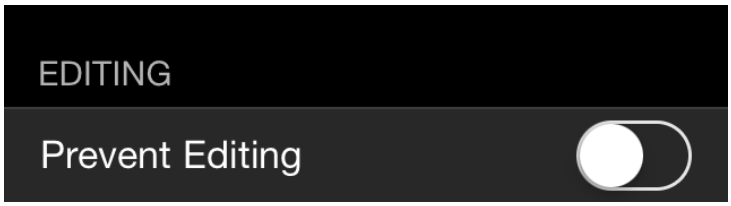
When you link Simple Control to a Dropbox account, the **Link Dropbox** command changes to **Unlink Dropbox** and two additional commands appear, **Backup to Dropbox** and **Restore from Dropbox**.

Use **Unlink Dropbox** to unlink Simple Control from a Dropbox account.

Use **Backup to Dropbox** and **Restore from Dropbox** to backup and restore your Simple Control configuration to your Dropbox account.

Refer to Chapter 9, Backing Up Configurations, for details about linking Simple Control to a Dropbox account, backing up a configuration to Dropbox, and restoring a configuration from Dropbox.

Prevent Editing



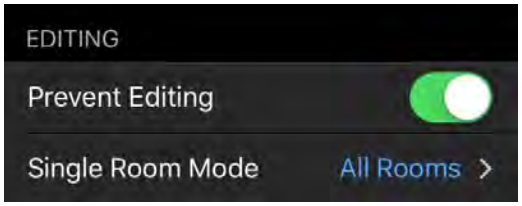
Enable **Prevent Editing** to prevent all configuration changes to Simple Control. When you exit from the **Settings** screen, you will not be able to enter Edit mode. You can use the virtual remote, you just cannot make any configuration changes.

Prevent Editing applies only to Simple Control client on the iOS device you are currently using. So if you are sharing the same Simple Control configuration on an iPad and an iPhone, for example, and you enable **Prevent Editing** on the iPad, there is no impact on the Simple Control client on your iPhone.

NOTE: **Prevent Editing** is disabled by default.

If you are running Simple Hub for Mac, you can also lock the configuration of a Simple Control client with a PIN for temporary access to the **Settings** screen. All changes to the configuration of Simple Control on the iOS device you specify are locked out until you unlock the device.

Single Room Mode



When you enable **Prevent Editing**, **Single Room Mode** becomes available.

NOTE: If you disable **Prevent Editing**, **Single Room Mode** is also disabled.

Single Room Mode lets you restrict Simple Control usage to a single room.

To restrict Simple Control usage to a single room:

1. Enable **Prevent Editing** (by tapping the slider so that the green background appears).

   Single Room Mode appears, showing **All Rooms**.

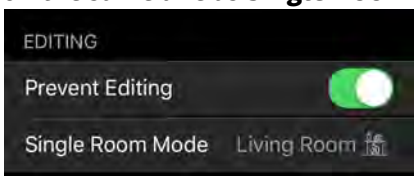
2. Tap **Single Room Mode**.

All configured rooms, plus **All Rooms**, appear under **Single Room Mode**.

3. Tap the room you want Simple Control to work in.

NOTE: This prevents Simple Control from functioning in the other rooms.

The list of configured rooms disappears; the name of the selected room appears on the same line as **Single Room Mode**.



4. Click **Done**.

NOTE: You can now use Simple Control only in the specified room.

If you want to be able to use Simple Control again in any room, set **Single Room Mode** back to **All Rooms** or disable **Prevent Editing**.

Tip: Dedicating a Virtual Remote to a Single Room

You can configure your iOS device to run only the Simple Control client and Simple Control to work only in one room, thereby giving you a virtual remote dedicated to a single room.

To do this, you use Guided Access mode on the iOS device, which restricts the iOS device to running a single app, and **Single Room Mode** in Simple Control.

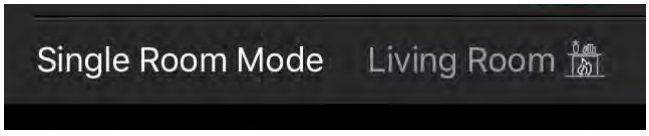
This could be used in a guest room, for example, where you want the iOS device to work as a virtual remote in that room only and you do not want the remote's configuration to be edited.

To configure a virtual remote dedicated to a single room:

1. On your iOS device (*not in Simple Control*), navigate to **Settings > General > Accessibility > Guided Access**.

The **Guided Access** screen appears.

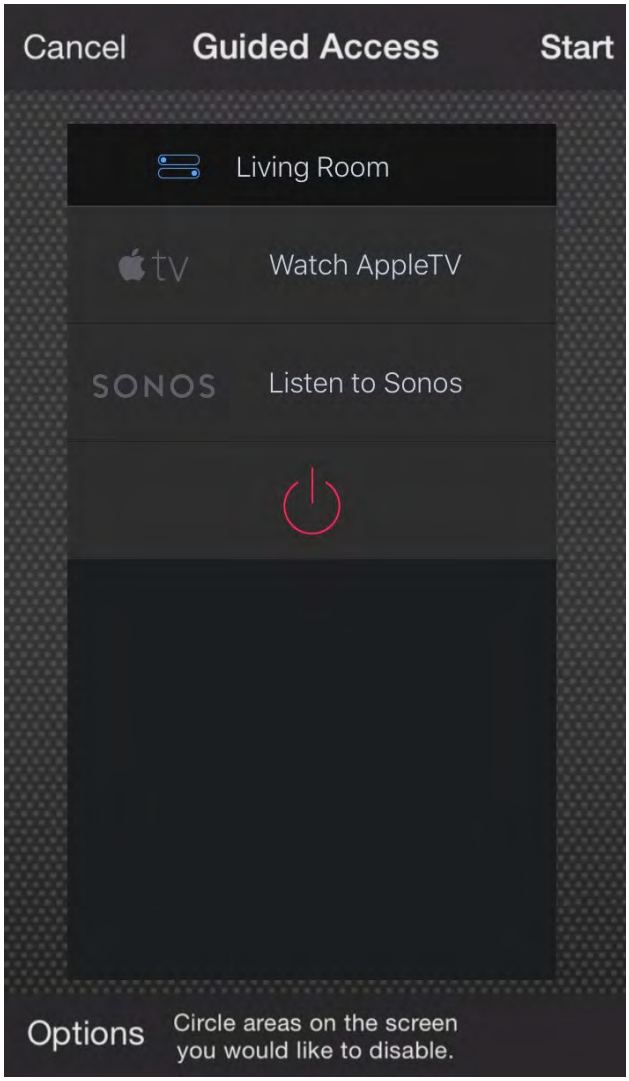
2. Enable **Guided Access** (by tapping the slider so that the green background appears).
3. Exit from **Settings** on your iOS device.
4. Open the Simple Control client, open **Settings**, enable **Prevent Editing**, tap **Single Room Mode**, then tap the name of the room to which you want Simple Control dedicated.



5. Click **Done** to exit from the **Settings**.

   The Simple Control screen appears for the selected room.
6. Triple click the Home button on the iOS device.

The **Guided Access** screen appears.



7. Tap **Start**.

   The **Set Passcode** screen appears.

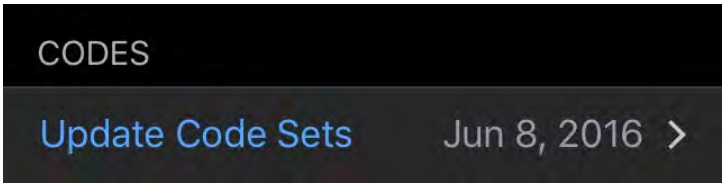
8. Enter a four-digit passcode, then re-enter it.

   Guided Access begins.

   You cannot use the iOS device except to run Simple Control and you can only use Simple Control to control the room you specified.

9. To exit from **Guided Access**, triple click the Home button, enter the four-digit passcode, then click **End**.

Update Code Sets



Code sets are automatically checked every 24 hours and updated when necessary.

The date shown is the date of the most recent update to your code sets. Do not be concerned if the date shown is not today's date; code sets are only updated when necessary.

Code Sets Downloaded

Code Sets Downloaded tells you whether or not all code sets have been downloaded for Simple Control.

If it shows "**3/3**" or "**5/5**", then all code sets have been downloaded; you do not need to do anything.

If it shows "**3/4**" or "**4/5**", then not all code sets have been downloaded. Tap **Update Code Sets**, wait 30 seconds, then restart your iOS device.

Custom Code Sets

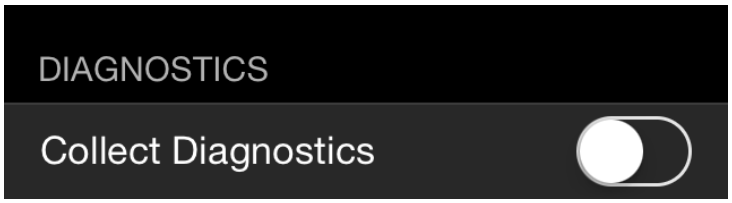
If you have created a custom code set for a device, and you want to view or edit the custom code set, tap **Custom Code Sets**, locate the custom code set you want, and then either view or edit the settings.

IMPORTANT: Adding a custom code set is a somewhat technical process. Simple Control recommends reading the Support FAQ item about adding support for a device or contacting Simple Control Support.

To add a custom code set, tap **Custom Code Sets**, tap **Add Device**, and follow the prompts.

NOTE: If you are adding a device that Simple Control cannot discover automatically, you will need to add it manually using the **Manual IP** command in the device editor.

Collect Diagnostics



Enable **Collect Diagnostics** if you are directed to do so by Simple Control **Support**. This setting creates a log of your activities that is useful in diagnosing issues.

IMPORTANT: Enabling **Collect Diagnostics** causes Simple Control to run much slower and use significant storage space on the device. Be sure to disable **Collect Diagnostics** when you are done gathering the necessary information.

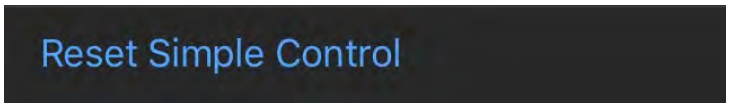
Collect Diagnostics is off by default.

If you are directed to turn on Collect Diagnostics by Simple Control Support:

1. Close all activities in the Simple Control client.
2. Open **Settings** and enable **Collect Diagnostics**.
3. Restart your iOS device using the power button.
4. Open the Simple Control client and perform actions as directed by Simple Control Support.
5. Tap **Send Diagnostics** (to send the diagnostic information to Simple Control Support) and then disable **Collect Diagnostics**.
6. Email Simple Control **Support** (**support@simplecontrol.com**) and let them know the time at which the diagnostic information was sent.

NOTE: Only use **Reset Diagnostics** or **Test Code Update** if directed by Simple Control **Support**.

Reset Simple Control

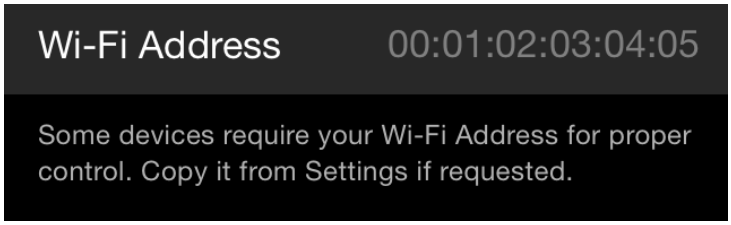


Tap **Reset Simple Control** to delete all Simple Control client settings, including any rooms, devices, or activities.

IMPORTANT: Simple Control recommends making a backup of your current configuration before resetting.

NOTE: Resetting Simple Control does not affect the settings of any Simple Blasters in your environment.

Wi-Fi Address



Some devices you can control with Simple Control require that the Wi-Fi address of your iOS device be provided to them. If this is the case for a device you are controlling, enter the Wi-Fi address of your iOS device here.

To enter the Wi-Fi address of an iOS device:

1. On your iOS device, navigate to **Settings > General > About**, then find the **Wi-Fi Address** field.

2. Tap and hold the address, then tap **Copy** when it appears.
3. Return to the Simple Control **Settings** screen.
4. Tap and hold the current Wi-Fi address for about two seconds, then release.

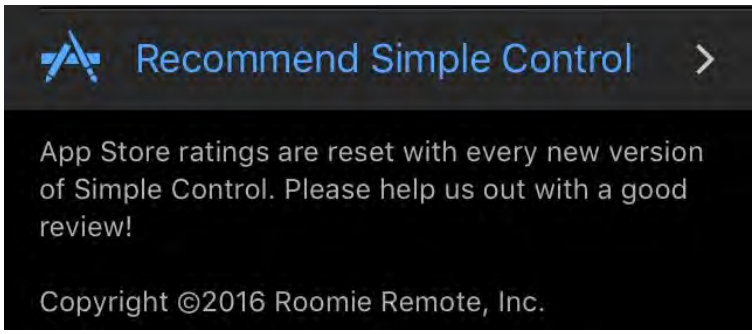
   The keyboard and the **Paste** command appear. (If the keyboard appears but **Paste** does not, tap and hold the address again for two seconds, then release.)
5. Tap **Paste**.

   The Wi-Fi address of the iOS device appears.
6. Tap **Done**.

Version

Displays the current version of the Simple Control client.

Recommend Simple Control



Opens the Simple Control page on the App Store.

Tap **Recommend Simple Control**, **Reviews**, then **Write a Review** to write a review of Simple Control.

9 Backing Up Configurations

This chapter describes the methods you can use to back up Simple Control configurations.

This chapter includes:

Overview

Simple Control gives you multiple ways to back up configurations:

- **Dropbox:** Simple Control users can back up one configuration to a Dropbox account. All you need is Simple Control and a Dropbox account.

IMPORTANT: You can only save one backup to a Dropbox account at a time. If you save another backup, it overwrites the existing backup. You can only restore the most recently saved backup.

- **Simple Service:** Simple Control users with an active Simple Service subscription can back up one configuration to Simple Service.

IMPORTANT: You can only save one backup to Simple Service at a time. If you save another backup, it overwrites the existing backup. You can only restore the most recently saved backup.

BACKUP TO DROPBOX

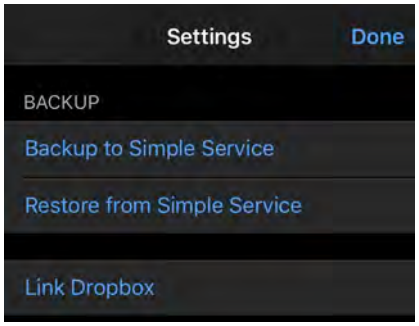
You can back up one Simple Control configuration to a Dropbox account.

IMPORTANT: If you have not already done so, you will need to create a Dropbox account (go to dropbox.com for more information) and link Simple Control to that account **before** you can save a configuration backup to the account.

To link Simple Control to your Dropbox account:

1. In Simple Control, tap the **Settings** icon.

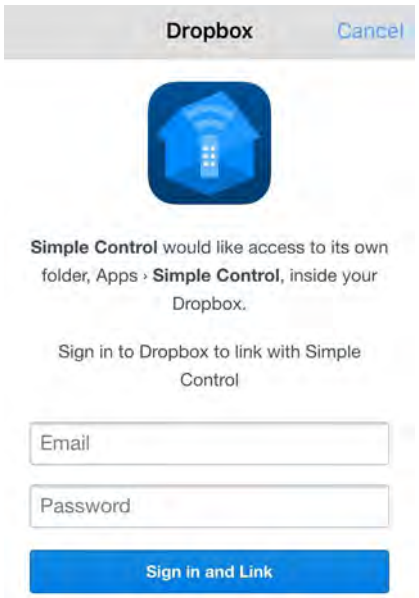
   The **Settings** screen appears.



2. Tap **Link Dropbox**.

   If you see **Unlink Dropbox** instead of **Link Dropbox**, this means that Simple Control has already been linked to a Dropbox account.

   The **Dropbox** screen appears.



You need to enter the credentials you created when creating your Dropbox account.

3. Enter your Dropbox credentials, then tap **Sign in and Link**.

The **Settings** screen appears.

The **Link Dropbox** command has been replaced with **Unlink Dropbox**, **Backup to Dropbox**, and **Restore from Dropbox**.

To back up a configuration to Dropbox:

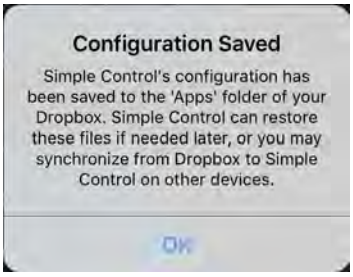
1. In Simple Control, tap the **Settings** icon.

   The **Settings** screen appears.

NOTES: If you see the **Link Dropbox** command, you must link a Dropbox account before you can continue. If you receive a message that the backup was not successful, make sure your Dropbox account is not full.

2. Tap **Backup to Dropbox**.

   A confirmation dialog appears.



3. Tap **OK**.

RESTORE FROM DROPBOX

When you have a configuration backed up in your Dropbox account, you can restore that configuration at any time.

IMPORTANT: Restoring the configuration from your Dropbox account overwrites the current configuration.

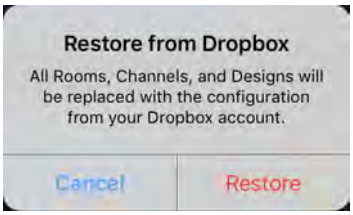
To restore a configuration from Dropbox:

1. In Simple Control, tap the **Settings** icon.

   The **Settings** screen appears.

2. Tap **Restore from Dropbox**.

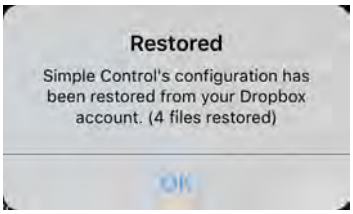
   A confirmation dialog appears.



When you tap **Restore**, the current configuration is overwritten with the configuration stored in your Dropbox account.

3. Tap **Restore**.

   A confirmation dialog appears.



4. Tap **OK**.

BACKUP TO SIMPLE SERVICE

You can back up one Simple Control configuration to Simple Service.

NOTE: Backing up to the Simple Service requires an active Simple Service subscription. If you do not have one, you will be prompted to visit the Simple Store to purchase it.

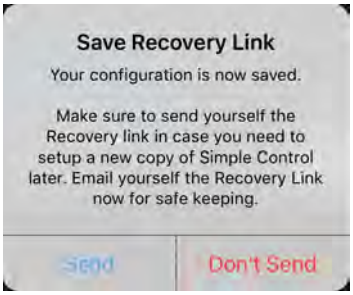
To back up a configuration to Simple Service:

1. In Simple Control, tap the **Settings** icon.

   The **Settings** screen appears.

2. Tap **Backup to Simple Service**.

   The **Save Recovery Link** popup appears.



A recovery link is useful for installing your configuration on a new copy of Simple Control or for switching between two different configurations.

3. Tap **Send** to email yourself a copy of the recovery link.

NOTE: If you tap **Send**, but have not configured the Mail app on the iOS device, you will be prompted to do so.

The **Settings** screen appears.

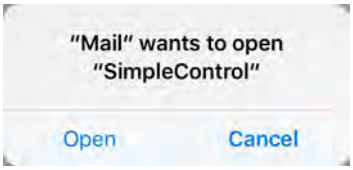
To restore your configuration from a recovery link email message:

1. Open the Mail app on the iOS device hosting Simple Control whose configuration you want to restore.
2. Open the Simple Control Recovery Link email message.

The recovery link appears in blue at the bottom of the email message.

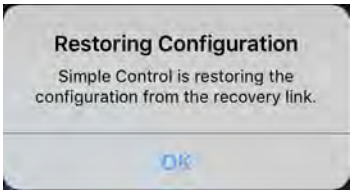
3. Tap the recovery link.

   A prompt from the Mail app to open Simple Control appears.



4. Tap **Open**.

   The **Restoring Configuration** popup appear.



5. Tap **OK**.

   The configuration is restored.
6. Tap **Done** to close the **Settings** screen.
7. Return to the Mail app and close the Recovery Link message.

Restore from Simple Service

When you have a Simple Control configuration backed up to Simple Service, you can restore that configuration at any time.

Important: Restoring a configuration from Simple Service overwrites the current configuration.

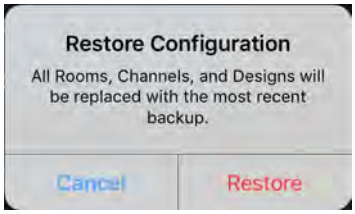
To restore a configuration from Simple Service:

1. In Simple Control, tap the **Settings** icon.

   The **Settings** screen appears.

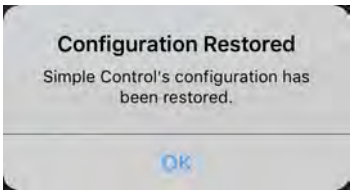
2. Tap **Restore from Simple Service**.

   A warning message appears, telling you that the current rooms, channels, and designs will be replaced by the most recent backup.



3. Tap **Restore**.

   A message appears, telling you the configuration has been restored.



4. Tap **OK**.

10 Triggers

This chapter describes the types of triggers you can set up in Simple Control.

This chapter includes:

About Triggers

Simple Control supports the following types of triggers:

- **Device-based:** Monitors specific devices for particular actions; when the action occurs, Simple Control initiates an activity.

  For example, you could set up a trigger to watch for the lights in your living room being turned on. When the lights go on, Simple Control runs an activity that turns on the TV and set top box in your living room. You could also create a second trigger to do the reverse: when the lights are turned off, the TV and set top box are also turned off.

  Simple Control can monitor these devices: Lutron Radio RA2, Lutron Caseta, Philips Hue, Vera, Universal Devices ISY, and Nest Thermostat (away mode only).

  Additional devices are added regularly; check the device on the appropriate Compatibility page of the Simple Control website to see if it supports device-based triggers.

- **Timer-based:** You can create an activity that performs an action based on a certain amount of time passing.

  For example, you could create an activity to turn off the system in a room after 30 minutes have passed.

- **Time-based:** You can configure a trigger that runs an activity based on the day and time.

  For example, you could create a trigger that runs an activity every weekday evening at 11 p.m.

All triggers require a Simple Service subscription.

IMPORTANT: Make sure to create the activity you want to run ***before*** you create the trigger.

About Trigger Agents

Triggers require a trigger agent, a device that continually monitors the network for trigger commands and executes them.

There are two types of trigger agents:

- **iOS device running Simple Control:** Because the trigger agent must continually monitor the network for trigger commands, if you use a device running Simple Control as a trigger agent ***it must always be turned on with Simple Control as the foreground app***.

NOTE: Simple Control recommends using a version of Simple Hub as trigger agent.

- **Any version of Simple Hub:** All versions of Simple Hub avoid the issue that a device running Simple Control has; all versions of Simple Hub are designed to be always active on the network. Note that if Simple Hub for iOS or Simple Hub for Apple TV are not properly configured, they may not always be active on the network.

IMPORTANT: When you pair Simple Control with a Simple Hub, that Simple Hub is automatically locked as the trigger agent.

If you want to set a different trigger agent, you need to unpair. This unlocks the trigger agent and you can select any available trigger agent by tapping **Trigger Agent** on the **Triggers** screen and then selecting the desired trigger agent from the list of devices that appears.

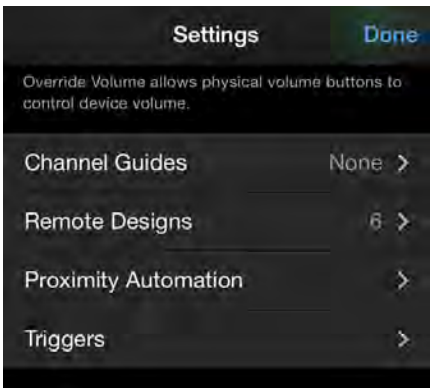
Device-Based Triggers

Before creating a device-based trigger, add the device you want to monitor and create the Simple Control activity you want to initiate.

To create a device-based trigger:

1. Open Simple Control, then tap **Settings**.

   The **Settings** screen appears.



You may have to scroll down to get to **Triggers**.

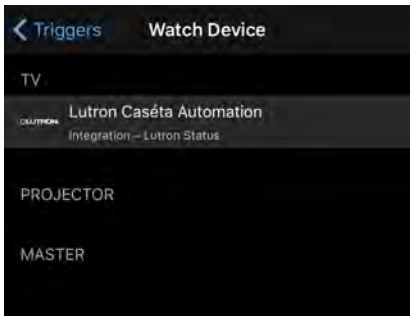
2. Tap **Triggers**.

The **Triggers** screen appears.

In this example, Simple Hub for Mac on **Jon's MacBook Pro** has already been established as the trigger agent.

3. Tap **Add Device Trigger**.

   The **Watch Device** screen appears.

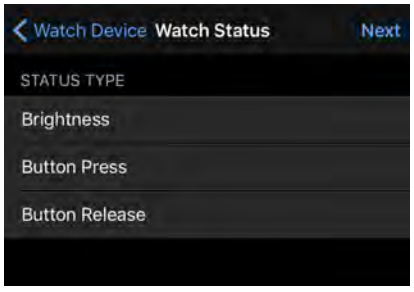


The **Watch Device** screen lists devices that are both on your network and can be monitored.

This image shows a Lutron Caseta TV.

4. Tap a device to select it.

   The **Watch Status** screen appears.



The **Watch Status** screen shows the **Status Types** available for the selected device; in this case, the Lutron Caseta has three.

Your screen may show different **Status Types**, based on the device you selected on the **Watch Device** screen.

5. Select the **Status Type** (the action) you want to be watched for.

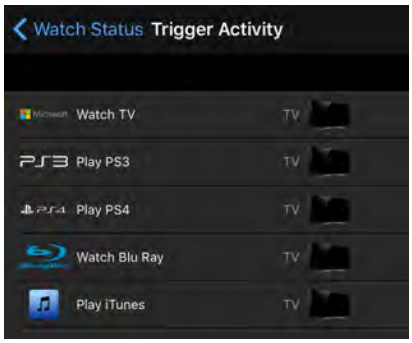
If there are **Status Parameters** for the **Status Type** you select, they appear.

In this image, the **Button Press Status Type** has two **Status Parameters**, **Integration ID** and **Button ID**.

The **Status Parameters** you will see, if any, will be based on the **Status Type** you select.

6. Enter appropriate values for the **Status Parameters**, then tap **Next**.

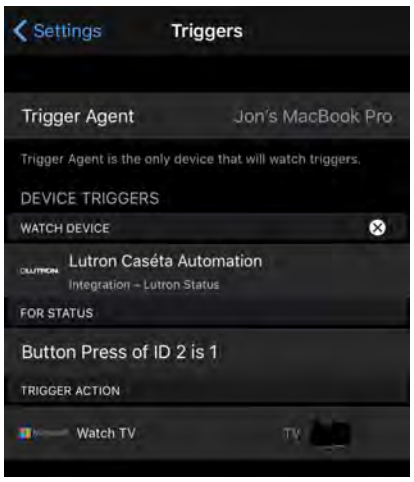
   The **Trigger Activity** screen appears.



The **Trigger Activity** screen lists all of the activities on the Simple Control client.

7. Tap the activity you want to initiate when the watched for action occurs.

   The **Triggers** screen appears.



The **Triggers** screen now shows the device-based trigger you just created in the **Device Triggers** section.

This screen shows that the device to be monitored is a **Lutron Caseta**, the action to be watched for is a **Button Press** with the specified parameters, and the activity Simple Control will initiate is **Watch TV**.

8. Tap **Settings** to return to the **Settings** screen.

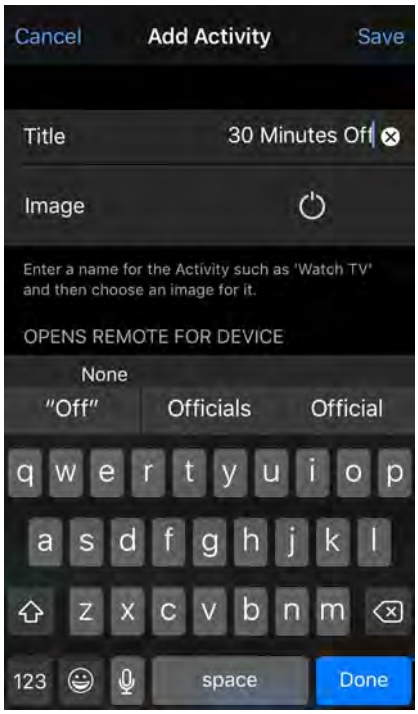
Timer-Based Triggers

Timer-based triggers perform an action when a specified amount of time has passed.

To create a timer-based trigger:

1. Open Simple Control, then open the room you want to create the trigger in; switch to Edit mode, if necessary.
2. Tap **Add Activity**.

   The **Add Activity** screen appears.

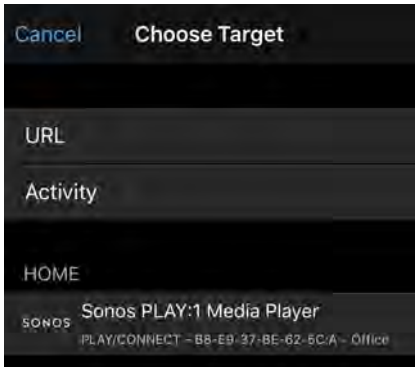


Enter a descriptive name in the **Title** field and select an image, if desired.

The trigger we care creating in this procedure executes the System Off activity after 30 minutes, so the title is **30 Minutes Off** and the image is the power button.

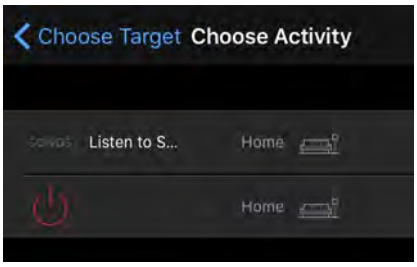
3. Tap **Done** to hide the keyboard.
4. Tap **Add Command**.

   The **Choose Target** screen appears.



5. Tap **Activity**.

The **Choose Activity** screen appears.

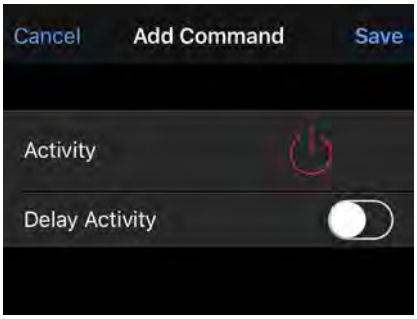


There are currently two activities configured for the room, **Listen to Sonos** and **System Off** (which does not have a name assigned).

We will be choosing **System Off** for this procedure.

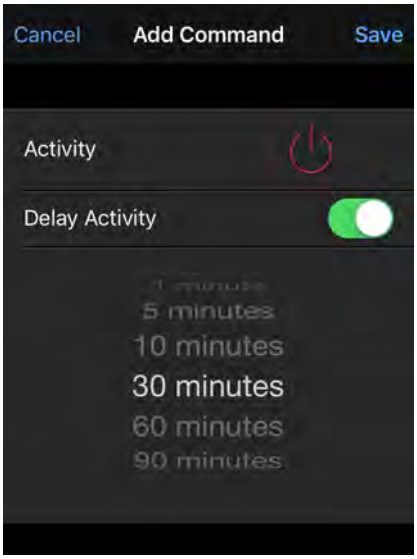
6. Tap the activity you want to trigger.

   The **Add Command** screen appears.



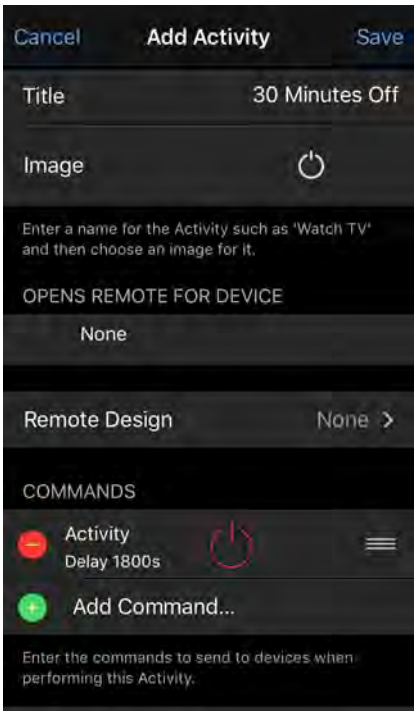
7. Enable **Delay Activity**.

   The timer appears below the **Delay Activity** field.



8. Select the desired amount of time, then tap **Save**.

The **Add Activity** screen appears, now showing the command you just added.



9. Scroll down and set **Activity Type** to **Power Off** (the default is **Power On**).

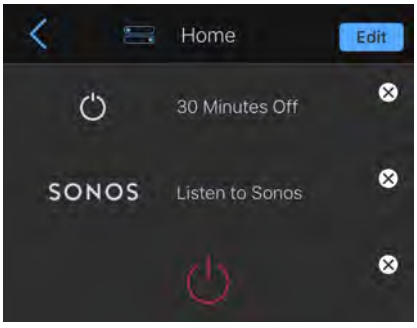
   The activity we are creating in this procedure turns off the system, so we need to select the correct **Activity Type**. Setting **Activity Type** to **Power Off** is only necessary because we are using the **System Off** activity for this procedure.

10. Next, disable **Automatic Commands** (the default is enabled).

    This prevents the settings of other activities or devices in the same room from impacting the timer activity.

11. Make any other desired changes to the settings for the activity, then tap **Save**.

    The main page for the room appears, showing the timer-based trigger activity.



12. Tap the **Settings** icon, then tap **Triggers**.

    The **Triggers** screen appears.

13. Tap **Trigger Agent**.

    Devices on your network that can act as a trigger agent appear.

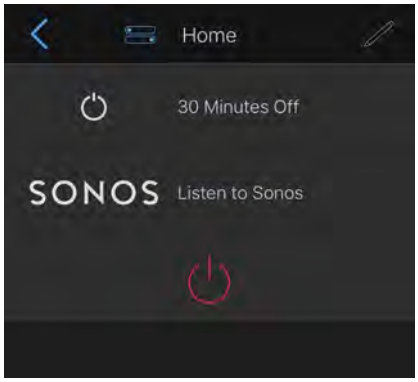
In this screen shot, the **iPod Touch** and the **iPad** are running Simple Control, so are not as good a choice as a trigger agent as **Scott's MacBook Pro**, which is running Simple Hub for Mac.

    Refer to "About Trigger Agents" on page 134 for more information about selecting a trigger agent.

14. Select the desired trigger agent.
15. Tap **Settings**, then tap **Done**.

    The main page for the room appears, in Edit Mode.

16. Tap the mode icon to switch to User mode.



30 Minutes Off is the timer-based trigger activity we created in this procedure.

17. To implement the trigger, tap the activity.

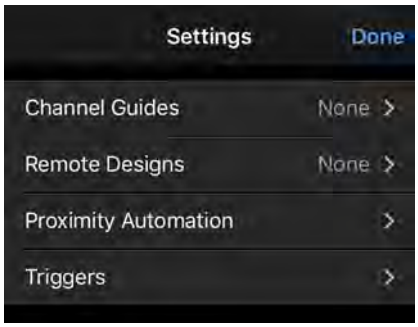
TIME-BASED TRIGGERS

A time-based trigger runs an activity based on the day and time.

To create a time-based trigger:

1. Open Simple Control, then tap the **Settings** icon.

   The **Settings** screen appears.



2. Tap **Triggers** (you may have to scroll down.)

   The **Triggers** screen appears.

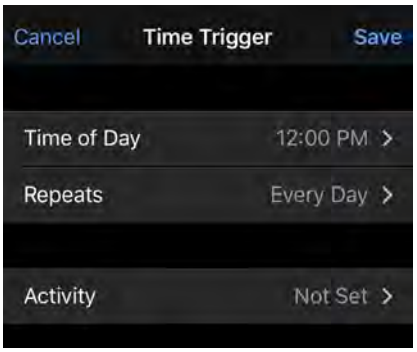
3. Tap **Trigger Agent**.

   Devices on your network that can act as a trigger agent appear.

   Refer to "About Trigger Agents" on page 134 for more information about selecting a trigger agent.

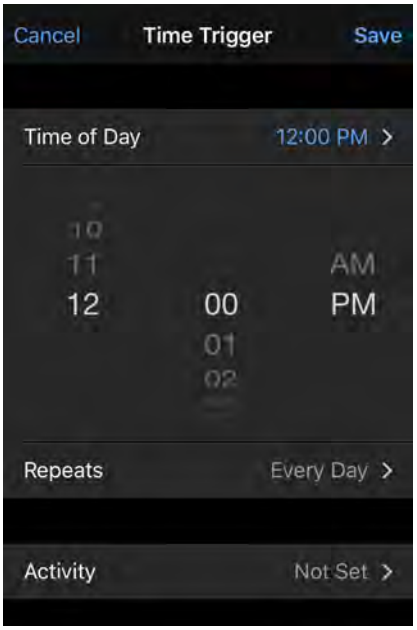
4. Select the desired trigger agent.
5. Tap **Add Time Trigger**.

The **Time Trigger** screen appears.



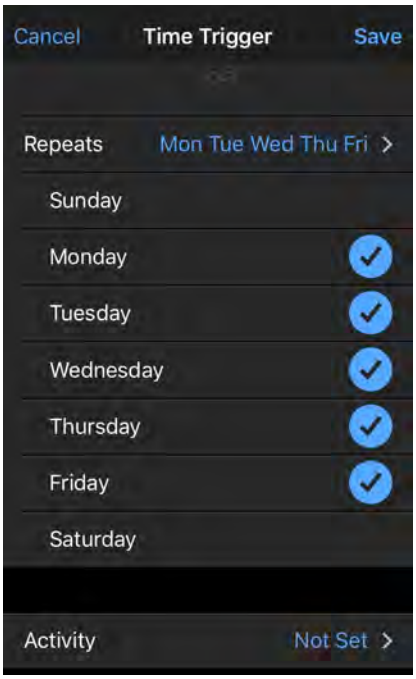
6. Tap **Time of Day**.

   The timer appears.



7. Select the desired time.
8. Tap **Repeats**.

The days of the week appear.



9. Select the desired days.

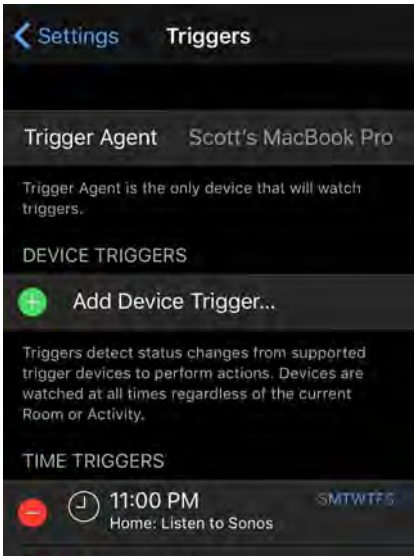
   A checkmark appears for those you select.

10. Tap **Activity**.

    Configured activities appear.

11. Tap the activity you want the trigger to implement.
12. Tap **Save**.

    The **Triggers** screen appears.



The **Triggers** screen shows the time-based trigger you just defined

13. Tap **Settings**, then tap **Done**.

11 Custom Images

This chapter describes how to use custom images in Simple Control.

This chapter includes:

About Custom Images

Simple Control includes a wide variety of images for you to use, but it also lets you add your own custom images.

Custom images only need to be added once. You can add as many custom images as you like. Custom images are automatically modified in size to fit their location.

To add custom images, use Dropbox. The general procedure is: make a configuration backup, add the custom images to the configuration backup in a specific location, then restore the backup. The custom images will then be available for use.

Custom Image Requirements

Custom images must meet these requirements:

- PNG format (transparency is recommended).
- Retina display resolution is supported, as long as the images are double size and named with a suffix of **@2x**. Additionally, you can only use a Retina version of an image if you also provide a non-Retina version.

  For example, if you had an image that is 100 pixels wide (named **logo.png)**, you would also need a version of the same image that is 200 pixels wide (which would have to be named **logo@2x.png)**. If you then move your configuration between a non-Retina and a Retina device, the image will automatically switch between the two versions. When choosing custom images in Simple Control, select the non-Retina version to enable this behavior.

  If you only have a non-Retina version of an image, that image will be used in all cases.
- Manufacturer logos can be overridden by naming a custom image with the same name as the manufacturer's logo image.

  For example, to override the Samsung logo, name your custom image **logo-samsung.png**.

IMPORTANT: Names are case sensitive. ***Make sure to use all lowercase letters.***

Adding Custom Images Using Dropbox

You can use a Dropbox account to add custom images to Simple Control.

Tip: Working with custom images may be more convenient using the Dropbox desktop client compared to the web-based interface.

To add a custom image to an activity using a Dropbox account:

1. In Simple Control, go to **Settings** and create a backup of your configuration using the **Backup to Dropbox** command.

   Important: If you have not already done so, you will need to create a Dropbox account (go to dropbox.com for more information) and link Simple Control to that account **before** you can save a configuration backup to the account.

2. Go to your Dropbox account and open the list of the files stored on it.
3. Create a new folder called ***images*** in the folder for the configuration backup you just created; the folder name is **Simple**.

   You can only store one configuration backup per Dropbox account. If you create a second configuration backup using Dropbox, the existing backup files are over-written. This does **not** apply to image files in the ***images*** folder; they do ***not*** get overwritten by a new backup.
4. Move your custom images into the new ***images*** folder; you can add as many as you want.
5. Return to Simple Control **Settings** and restore your configuration using **Restore from Dropbox**.
6. Open an activity for editing.

   The **Edit Activity** screen appears.
7. Tap **Image**.

   The **Choose Image** screen appears.
8. Tap **Custom** in the bottom right corner of the screen.

   The custom images you added appear.
9. Tap the custom image you want to use.

   The **Edit Activity** screen appears, now showing the custom image in the **Image** field.
10. Tap **Save**.

    The **Activities List** screen appears, now showing the custom image as the image for the activity.

12 Gestures

This chapter describes how to use gestures to send commands in Simple Control.

This chapter includes:

About Gesture Control

When you create an activity, Simple Control creates a virtual remote for it. When you tap a button on the virtual remote, it sends a command to the device, giving you control over the device.

Simple Control also creates a set of gesture panels when you create an activity; one to three panels, depending on the device. The gesture panels also have buttons that send commands to the devices in the activity.

Gesture panels do not resemble the button layouts on your physical remotes, but they do have the following advantages:

- specific movements are required to send the command, which helps prevent sending accidental commands
- some devices provide additional feedback, which appears on the gesture panels
- additional commands and panels can be added

Accessing Gesture Panels

To open a gesture panel:

1. In Simple Control, start the desired activity.
2. On the virtual remote, find the Gesture icon and tap it.

The Gesture icon can appear at different locations on the virtual remote.

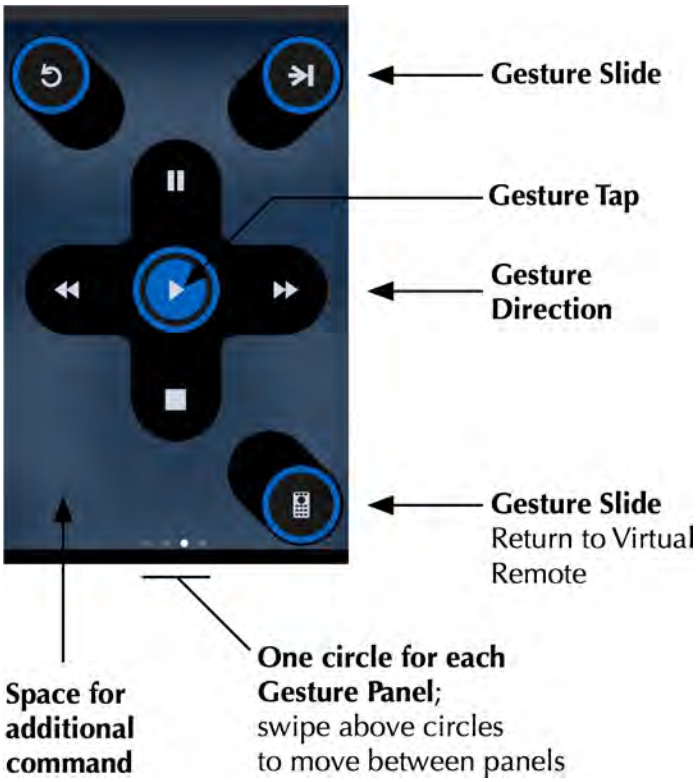
A gesture panel appears.

3. To return to the virtual remote from a gesture panel, tap the Gesture Slide dedicated to returning to the virtual remote, shown below.

This Gesture Slide returns you to your virtual remote. It is located in the lower right corner of all automatically created gesture panels.

Using Gesture Panels

To use a gesture panel, open a gesture panel and send a command.



How you send a command depends on what kind of a button is associated with the command you want to send.

There are three types of buttons on a gesture panel:

- **Gesture Slide:** Has an image or text in a blue circle to indicate what command it is and a visual indication of what direction to slide.

To send a command using a gesture slide, press the blue circle, then hold it as you slide in the appropriate direction.

To use this gesture slide, which returns you to the virtual remote, press and hold the blue circle with the icon as you slide up and to the left.

Gesture slides appear in the corners of a gesture panel.

- **Gesture Direction:** Gesture directions use the cross in the center of the gesture panel and the blue circle in the middle of the cross; press and hold the blue circle as you drag towards the icon for the command you want.

To use this gesture direction, the **Pause** command, press and hold the blue circle (which in this case is the **Play** command) as you drag up, towards the icon for the **Pause** command.

The gesture direction cross is always in the middle of a gesture panel, even if not all directions are configured with a command.

- **Gesture Tap:** A gesture tap is a standard tap. You do not need to hold or drag, simply tap the blue circle in the middle of the cross.

Adding an Additional Gesture Panel

If you want access to more commands on your gesture panels, you can add additional gesture panels.

Once a new gesture panel has been added, you can add commands to it.

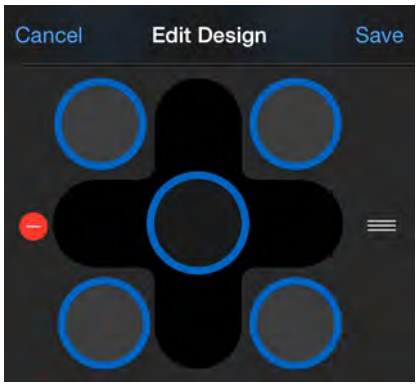
To add an additional gesture panel:

1. Open the virtual remote for the activity, then tap the Edit mode icon.

   The **Edit Design** screen appears.

2. Navigate to the end of the **Gesture Panels** section, just above the **Start Options** section.
3. Tap **Add Gesture Panel**.

A gesture panel with no defined commands appears. under the existing



You can add multiple commands to an empty gesture panel:

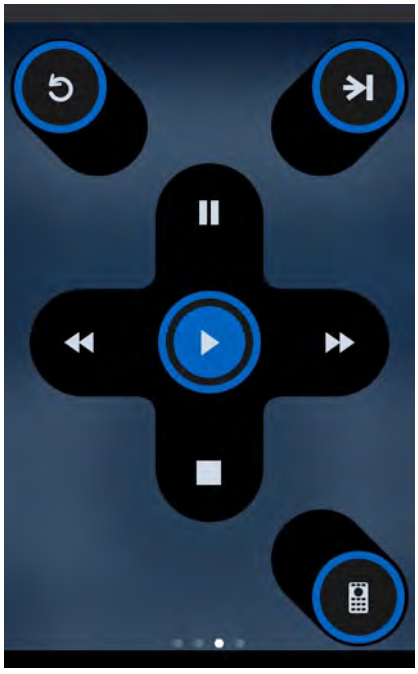
- up to four gesture slides
- up to four gesture directions
- one gesture tap

When a gesture panel is created *automatically*, the gesture slide in the lower right corner is always used to return to the virtual remote. The settings are **Action Type > Switch Panel**, with an **Image** of a virtual remote. Simple Control recommends following this convention for any new gesture panels you create.

NOTE: If you forget to include a command to return to the virtual remote on a gesture panel, you can use a two-finger pinch to bring up the Switcher screen.

To add a command to a gesture panel:

1. Open the **Edit Design** screen and scroll down to the gesture panel to which you want to add the command.



On this gesture panel, for example, the only location without an assigned command is the gesture slide in the lower left corner.

If you strongly prefer a command to be in a particular location, you can overwrite a defined command with a different command.

This image also shows the gesture slide in the lower right corner that is used to return to the virtual remote.

2. Tap the location on the gesture panel where you want to put the command.

The **Edit Button** screen appears.

The **Edit Button** screen lets you:

- see what kind of gesture (slide, direction, or tap) you selected
- add a **Name** or **Image** (you can have one or the other, but not both for a command)
- see what **Action Type** is selected; the default is **Commands**.
- tap **Add Command** to select the desired command

3. If you want to add a name for the command, tap **Name**.

   Enter the desired name using the keyboard that appears.

NOTE: If there is an issue with limited space, consider using an abbreviated version of the name instead of the full name.

Tap **Done** on the keyboard when you are doing entering the name; the keyboard disappears.

4. If you want to add an image for the command, tap **Image**.

   The **Choose Image** screen appears, with the **Button** pane selected.

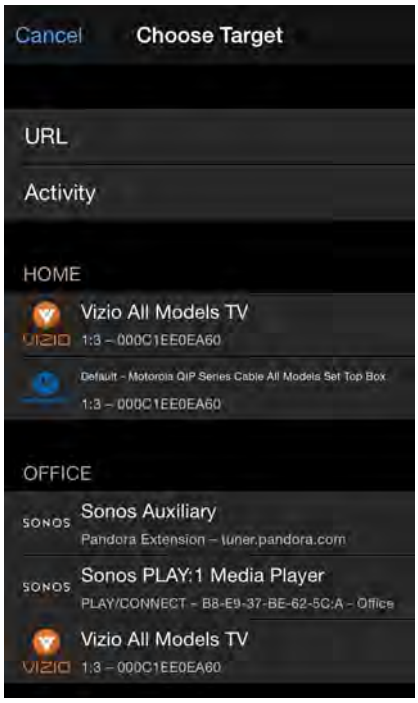
NOTE: You can have an image or a name for a command on a gesture panel, but not both.

5. Find the desired icon, then tap it.

   The **Edit Button** screen appears.

6. Tap **Add Command**.

   The **Choose Target** screen appears.



Use the **Choose Target** screen to select the device to which the command will be sent.

The **Choose Target** screen shows the devices for all rooms, so be sure to select the correct device and room.

NOTE: You can also specify a URL or an activity as the target for a command.

7. Tap the device to which the command will be sent.

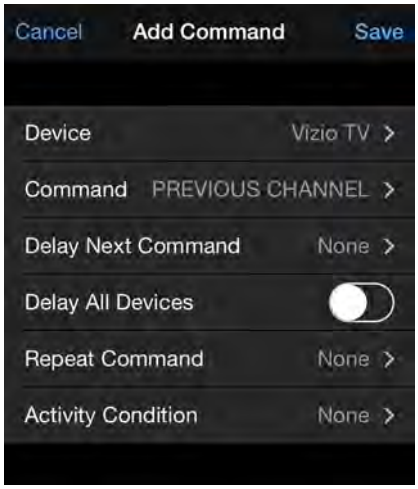
   The **Choose Command** screen appears.

You may need to scroll down to find the desired command.

You can also tap the blue letters on the far right side of the screen to jump to the area of the desired command.

8. Tap the name of the desired command.

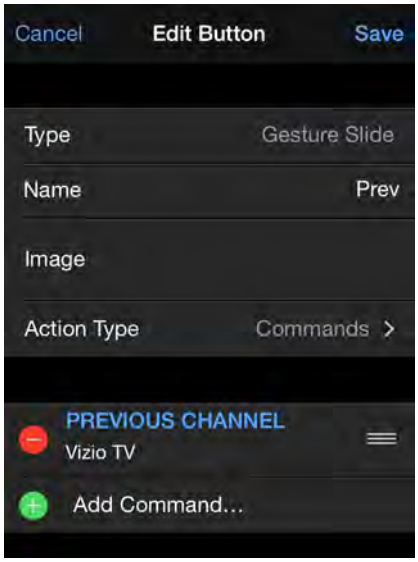
The **Add Command** screen appears.



NOTE: You are not required to change any of the settings on the **Add Command** screen when adding a command to a gesture panel.

9. Choose the desired settings, then press **Save**.

   The **Edit Button** screen appears.



The **Edit Button** screen now shows the name of the command that will appear on the gesture panel in the **Name** field and the actual command that will be sent and to what device.

In this example, the **Previous Channel** command is being sent to a **Vizio TV**.

10. Make sure the settings are correct, then tap **Save**.

    The **Gesture Panels** section of the **Edit Design** screen appears.

11. Tap **Save**.

    The virtual remote appears.

12. To use the new gesture panel, tap the Gesture icon.

Deleting a Gesture Panel

Gesture panels can be deleted from within Remote Designs.

To delete a gesture panel:

1. Open the virtual remote for the activity, then tap the Edit mode icon.

   The **Edit Design** screen appears.

2. Navigate to the **Gesture Panels** section.
3. On the left side of the gesture panel you want to delete, tap the red circle with the white minus sign.

   A red rectangle with **Delete** in white appears on the right side.

4. Tap **Delete**.

   The gesture panel is deleted.

The Open Gesture Panel Command

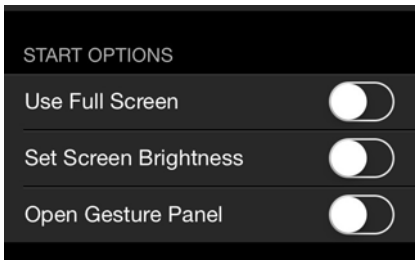
The **Open Gesture Panel** command lets you tell Simple Control to open the gesture panels for an activity by default, instead of the virtual remote.

To set gesture panels as the default for an activity:

1. Open the virtual remote for the activity, then tap the Edit mode icon.

   The **Edit Design** screen appears.

2. Navigate to the **Start Options** section, near the bottom of the screen.



The **Open Gesture Panel** command is at the bottom of the **Edit Design** screen.

3. Enable **Open Gesture Panel** by tapping the slider so that the green background appears.

   Open Gesture Panel is disabled by default.

4. Tap **Save**.

   The virtual remote appears.

   The next time you open the activity, the gesture panel will appear instead of the virtual remote.

13 Multihome

This chapter describes the Multihome feature, which lets you manage Simple Control configurations at multiple locations.

This chapter includes:

About the Multihome Feature

The Multihome feature lets you manage Simple Control configurations at multiple locations.

With previous versions of Simple Control, you could manage one configuration on the local network. If you used the Remote Access feature, you could also manage that configuration from outside your local network.

Now, with the Multihome feature, you can manage configurations at multiple other locations.

There are three scenarios for using the Multihome feature:

- **You manage the configurations of which you are the Owner.** This is useful if you have a Simple Control environment at both your home and office or at multiple homes. You can easily switch between your configurations and control all of them from your current location.

  The owner of a location is the person or organization whose Simple Control account is being used.
- **You manage the configurations of others.** This is useful if you are an integrator or want to manage the configurations of others. You need to have the other party invite you into their configuration and assign you admin or guest permissions. You can then edit or use those configurations from your current location.
- **You want someone else to manage your configuration.** If there is another party who you would like to manage your configuration, invite them into your configuration and give them the desired permissions: admin access to edit your configuration, guest access to initiate activities but not edit the configuration (so they can't delete your Living Room by accident, for example).

When someone invites you into their configuration (that is, a configuration you do not own), the owner assigns you one of two permission levels:

- **Admin:** Lets you edit the configuration (add or edit devices, create or modify activities, and so on) and initiate activities.
- **Guest:** Lets you initiate activities but not edit the configuration.

NOTE: When you invite other parties into configurations you own, you remain the owner, and thus have full privileges.

SYSTEM REQUIREMENTS

The Multihome feature requires:

- **A Simple Control environment:** A Version 4.5 or greater Simple Control client, Simple Service subscription, and Simple Hub 4.5 or greater with a Simple Hub License.

  Retail purchase of Simple System prior to Version 4.5 includes the new Simple Multihome License automatically.

- **A Simple Multihome License:** Available on the Simple Store or in-app. Required to use the Multihome feature.

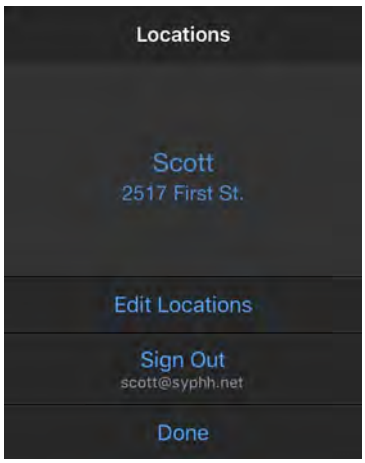
  If you already have a Simple Hub License, you need to purchase a Simple Multihome License to use the Multihome feature.

  If you do not have a Simple Hub License or a Simple Multihome License, you can purchase both on the Simple Store or in-app.

NOTE: If you are only going to have guest access to someone else's configuration, you do ***not*** need a Simple Multihome License, but the party inviting you into their configuration does need it.

The Locations Popup

The **Locations** popup displays configured locations, lets you edit locations, and lets you sign out of your Simple Control account.



In this example, the current selected location is **Scott** at **2517 First St**.

Tap **Edit Locations** to add a location or make changes to existing locations.

Tap **Sign Out** to sign out from your Simple Control account.

Tap **Done** to close the **Locations** popup if you have not made any changes or to change locations if you selected a location other than the current location.

Adding a Location You Own

This section shows how to add a location where you are the owner. (The owner of a location is the person or organization whose Simple Control account is being used.)

The following procedure assumes you have a Simple Control environment up and running at one location (called Location A) and that you want to add a second location (called Location B) that you can manage from either location.

Location A is up and running. You are logged in to your Simple Control account, you have Simple Service, a Simple Hub License, and a Simple Multihome License associated with your Simple Control account, and the configuration is paired with the Simple Hub at Location A.

Important: Do not configure Location B in advance.

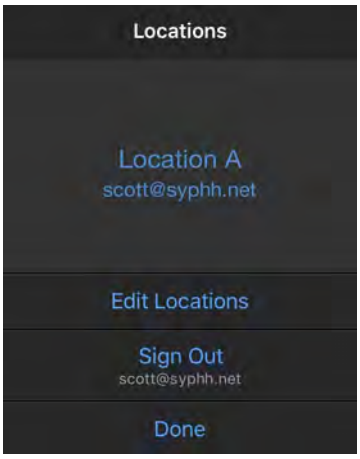
To add a location of which you are the owner:

1. In the Simple Control client, tap the **Settings** icon.

   The **Settings** screen appears.

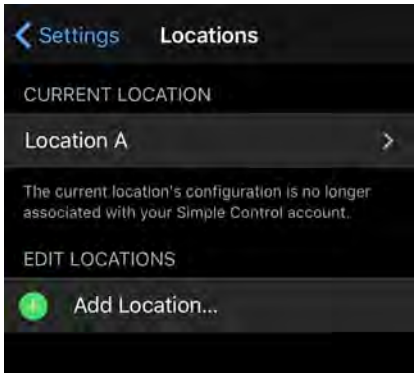
2. Tap **Location**.

The **Locations** popup appears.



3. Tap **Edit Locations**.

   The **Locations** screen appears

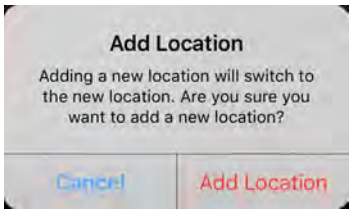


The first step in adding a location you own is to establish the name of the location in the current location.

For this example, the current location is **Location A** and we will be adding a **Location B**.

4. Tap **Add Location**.

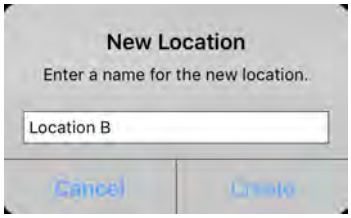
   The **Add Location** popup appears.



The **Add Location** popup explains that when you add a new location, you will be automatically switched to that location.

5. Tap **Add Location**.

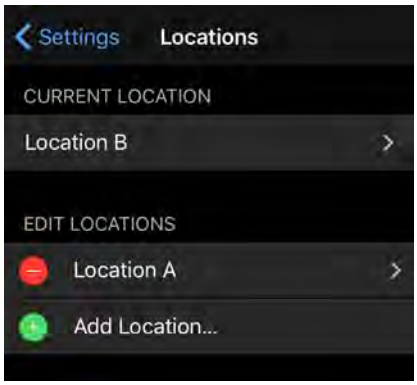
The **New Location** popup appears.



Enter a name for the new location in the text box. In this example, **Location B**.

6. Tap **Create** after you have entered the name of the new location.

   The **Locations** screen appears.

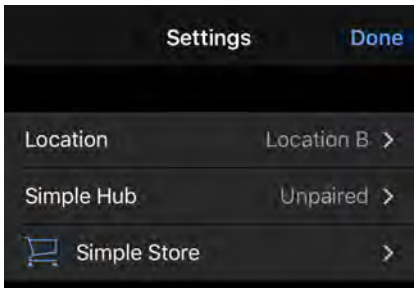


When you add a new location, it is automatically made the current location.

Because we are at Location A, we do not want Location B to be the current location.

7. Tap **Settings**.

   The **Settings** screen appears.

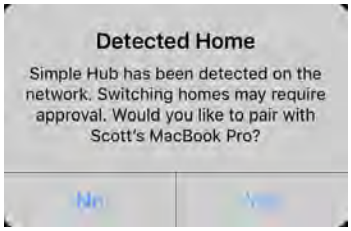


This screen shows Location B having been created and set as the current location.

As Location B is not configured and not paired with Simple Hub, you will want to switch back to the previous location, which in this demonstration is Location A.

8. Tap **Done**.

   The **Rooms** screen appears; after a moment, the **Detected Home** popup appears.

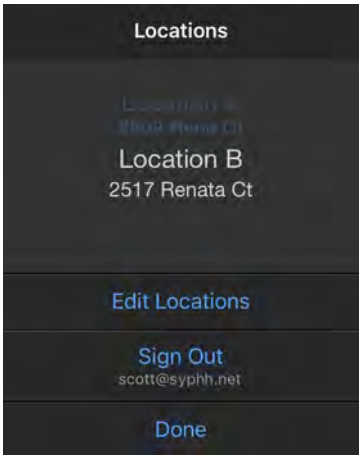


The **Detected Home** popup lets us switch the current location back to Location A.

9. Tap **Yes**, which switches the current location back to the previous location, which in this case is Location A.
10. Take the iOS device hosting the Simple Control client to Location B.
11. On the iOS device, log in to the local network, then open the Simple Control client.
12. Tap the **Settings** icon.

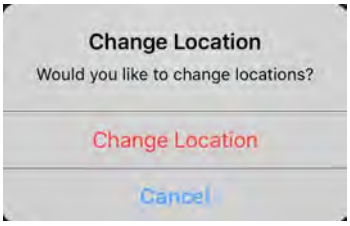
    The **Settings** screen appears.
13. Tap **Location**.

    The **Locations** popup appears.



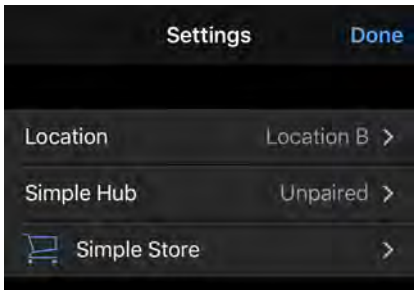
14. Select the entry for **Location B** to switch to it, then click **Done**.

    The **Change Location** popup appears.



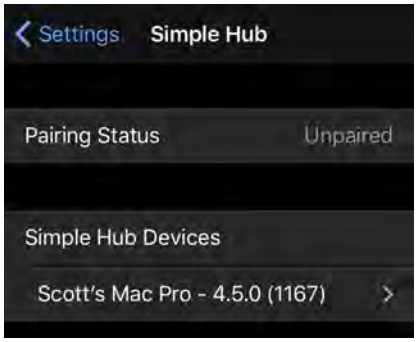
15. Tap **Change Location**.

The **Settings** screen appears, showing **Location B** as the current location with an **Simple Hub** status of **Unpaired**.



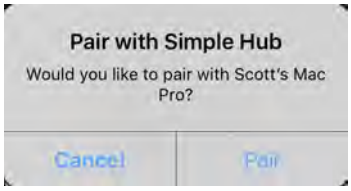
16. Tap **Simple Hub**.

    The **Simple Hub** screen appears, showing a **Pairing Status** of **Unpaired**.



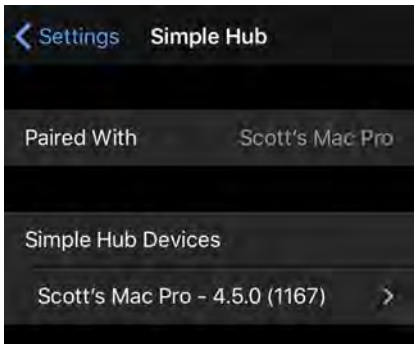
17. In the **Simple Hub Devices** list, tap the name of the Simple Hub on the local network.
18. Pair the client with Simple Hub on the local network.

    The **Pair with Simple Hub** popup appears.



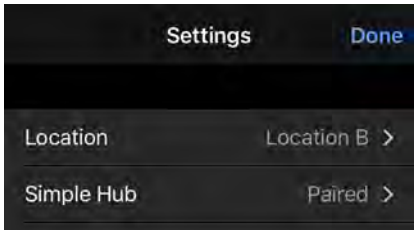
19. Tap **Pair**.

The **Simple Hub** screen appears, now showing the client paired with Simple Hub.



20. Tap **Settings**.

    The **Settings** screen appears.



    You can now switch between Location A and Location B and edit and/or use either configuration from either location.

MANAGING SOMEONE ELSE'S CONFIGURATION

This section describes how to manage someone else's Simple Control configuration.

The steps for managing someone else's configuration are:

1. Make sure your configuration meets the system requirements for the Multihome feature.
2. Contact the party who is going to invite you to manage their configuration and determine whether they are going to give you **admin** privileges (allowing you to edit and use their configuration) or **guest** privileges (allowing you to use their configuration but not edit it).
3. Give the other party the email address associated with ***your*** Simple Control account. They need to enter this during the process of inviting you to manage their configuration.
4. After they invite you, wait for a moment or two, then open the **Locations** popup and check for the name of their configuration to appear as a location into which you can sign in.

Inviting Someone to Manage a Configuration You Own

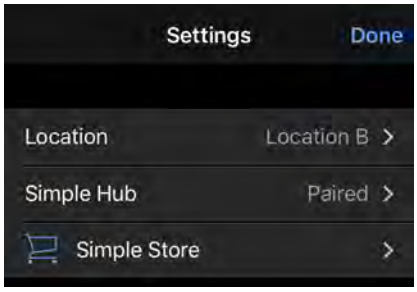
This procedure shows how to invite someone to manage a Simple Control configuration you own.

To successfully invite the other party, you need the email address associated with their Simple Control account.

To invite someone to manage your configuration:

1. In the Simple Control client, tap the **Settings** icon.

   The **Settings** screen appears.

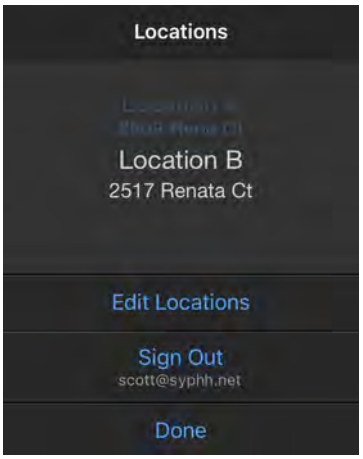


Make sure you are signed in to the configuration you want the other party to manage.

In this example, the owner is inviting the other party to manage the configuration named Location B.

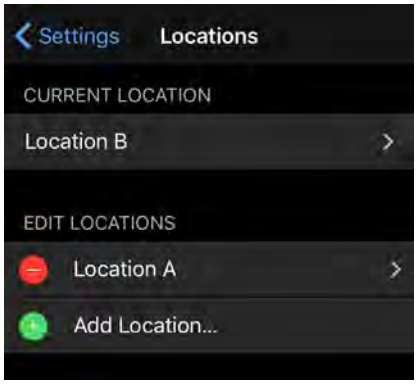
2. Tap **Signed In**.

   The **Locations** popup appears.



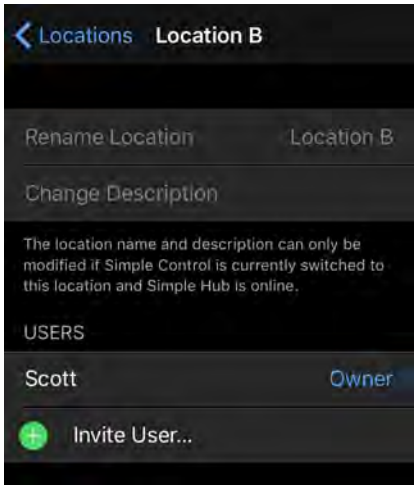
3. Tap **Edit Locations**.

4. The **Locations** screen appears.



5. Tap **Location B.**

   The **Location B** screen appears.

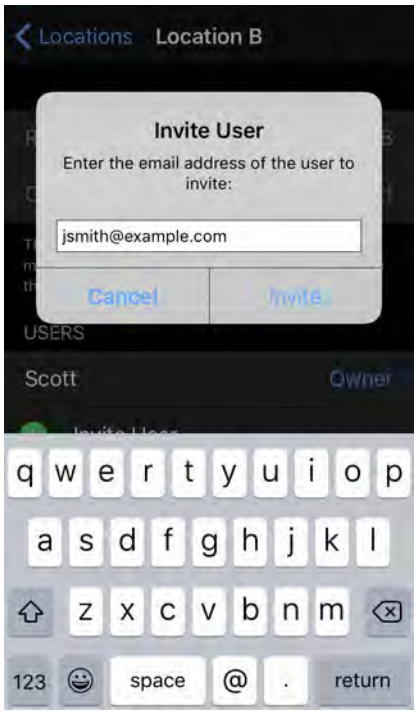


NOTE: The name of this screen will be different on your system.

This screen shows the only current user as Scott, who is the owner of the configuration.

6. Tap **Invite User**.

The **Invite User** popup appears.



7. Enter the email address associated with the Simple Control account of the party you are inviting to manage your configuration, then tap **Invite**.

   The **Allow Editing** popup appears.

Select **Yes** to allow the other party to edit your configuration (admin privileges).

Select **No** to allow the other party to only use your configuration, not edit it (guest privileges).

8. Tap **Yes**.

   After a moment or two to sync, the name of your configuration will appear as a location for the party you invited.

Adding a Location

This procedure shows how to add a location.

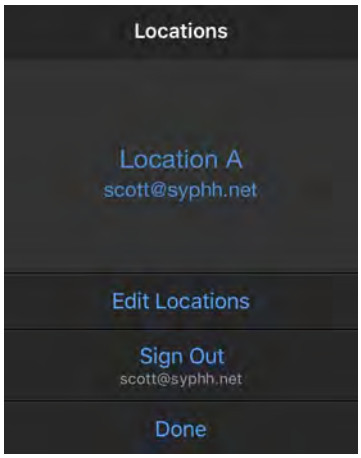
To add a location:

1. In the Simple Control client, tap the **Settings** icon.

   The **Settings** screen appears.

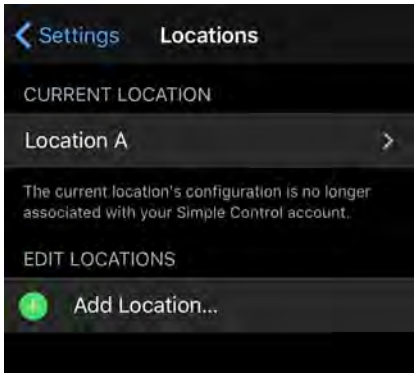
2. Tap **Location**.

   The **Locations** popup appears.



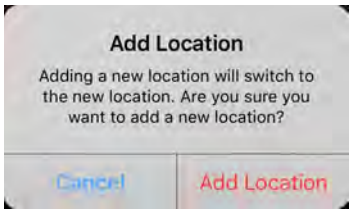
3. Tap **Edit Locations**.

   The **Locations** screen appears



4. Tap **Add Location**.

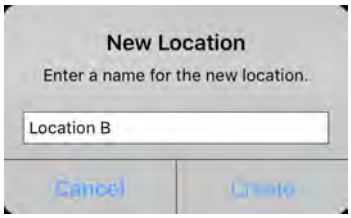
The **Add Location** popup appears.



The **Add Location** popup explains that when you add a new location, you will be automatically switched to that location.

5. Tap **Add Location**.

   The **New Location** popup appears.

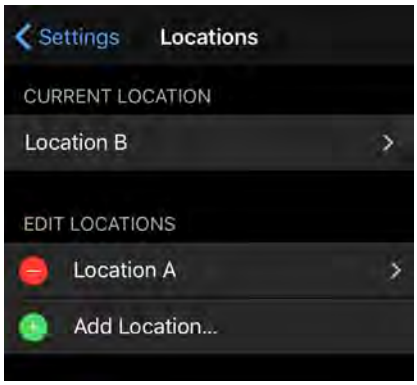


Enter a name for the new location in the text box.

This example shows the creation of a new location named **Location B**.

6. Tap **Create** after you have entered the name of the new location.

   The **Locations** screen appears.



When you create a new location, it is automatically set as the current location.

The new location has been created.

CHANGING LOCATIONS

This procedure shows how to change the current location.

NOTE: When you change locations, the Simple Control client automatically changes to show the configuration of the new location.

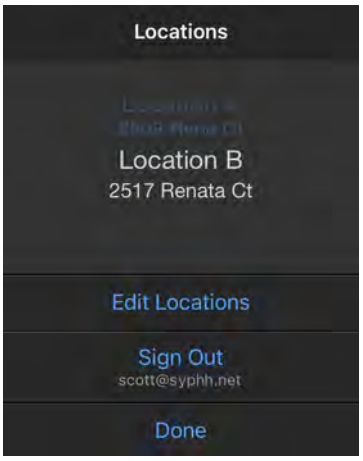
To change the current location:

1. In the Simple Control client, tap the **Settings** icon.

   The **Settings** screen appears.

2. Tap **Location**.

   The **Locations** popup appears.



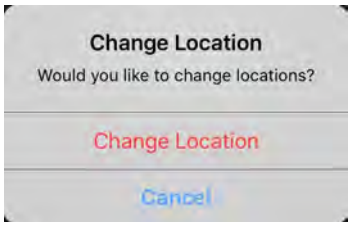
The current location is shown in blue.

To change to a different location, center that location in the middle of the screen.

in this example, we are changing the current location from **Location A** to **Location B**.

3. Select the entry for **Location B**, then click **Done**.

   The **Change Location** popup appears.



4. Tap **Change Location**.

   The **Settings** screen appears, now showing **Location B** as the current location.

5. Tap **Done** to exit from **Settings**.

Renaming a Location and Changing the Description

This procedure shows how to rename and/or change the description of a location.

Note: You can only rename or change the description of a location of which you are the owner. If someone has invited you to manage their configuration, you cannot rename that location.

You must be paired with the Simple Hub at the location you are renaming or changing the description. If the name of the current location is blue, you are paired and can rename the location. If the name is white, you are not paired and cannot rename the location.

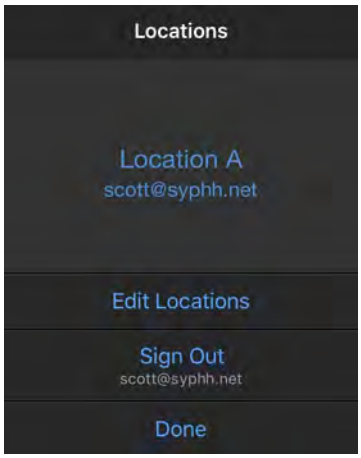
To rename or change the description of a location:

1. In the Simple Control client, tap the **Settings** icon.

   The **Settings** screen appears.

2. Tap **Signed In**.

   The **Locations** popup appears.

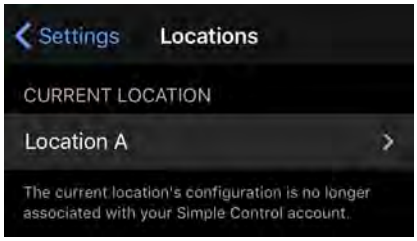


The name of the current location is shown in blue. In this example, **Location A**.

In this example, the description of the current location is **scott@syphh.net.**

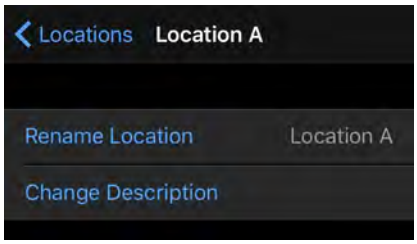
3. Tap **Edit Locations**.

   The **Locations** screen appears.

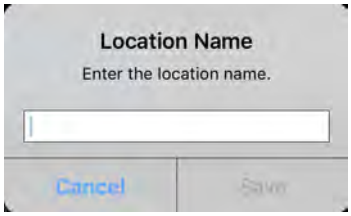


4. Tap the name of the current location. In this example, **Location A**.

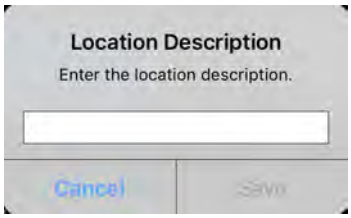
The **Location A** screen appears.



5. To rename the location tap **Rename Location**, type the desired name in the text box on the **Location Name** popup, then tap **Save**.



6. To change the description of the location, tap **Change Description**, type the desired name in the text field on the **Location Description** popup, then tap **Save**.



7. When the screen appears, tap **Locations** and then **Settings** to return to the **Settings** screen.

   If you renamed the current location, the screen that appears will have the new name. If you did not rename the current location, the screen that appears will have the old name.

   The **[Current Location]** screen appears, now showing the new name.

8. Tap **Locations**, then **Settings** to return to the **Settings** screen.

14 Simple Hub for iOS

This chapter describes how to use Simple Hub for iOS, a version of Simple Hub that is enabled in Simple Control clients.

This chapter includes:

About Simple Hub for iOS

Simple Hub for iOS is one member of a complete Simple Control solution.

All Simple Hub platforms support:

- encrypted, real-time configuration synchronization
- events based on timers and triggers
- remote access
- SmartThings and Amazon Echo integration
- configuration lockdown

Note: All Simple Hub platforms require a Simple Hub License. Some features also require a Simple Service subscription.

Simple Hub is supported on multiple platforms:

- **Simple Hub for iOS.** Supports all of the features mentioned above in a Simple Control client.
- **Simple Hub appliance.** Supports all of the features mentioned above via an appliance that is added to your local network.
- **Simple Hub for Mac.** Supports all of the features mentioned above, plus screen, keyboard, and mouse control of the host macOS system.
- **Simple Hub for Apple TV.** Supports all of the features mentioned above, plus viewing of the cameras on your local network.

Refer to the *Simple Hub User Guide* for more information about Simple Hub.

System Requirements

Simple Hub for iOS requires:

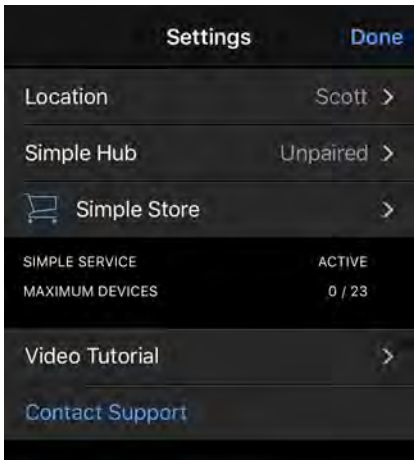
- Simple Control client Version 4.5 or greater
- Simple Hub License
- Logged in on the iOS device to the Simple Control account used to purchase the Simple Hub License
- Guided Access mode on the iOS device (refer to "Dedicating an iOS Device using Guided Access Mode" on page 175 for additional information). You might also want to consider logging out of iCloud and the App Store; contact Apple for additional information.

Enabling Simple Hub

To enable Simple Hub for iOS:

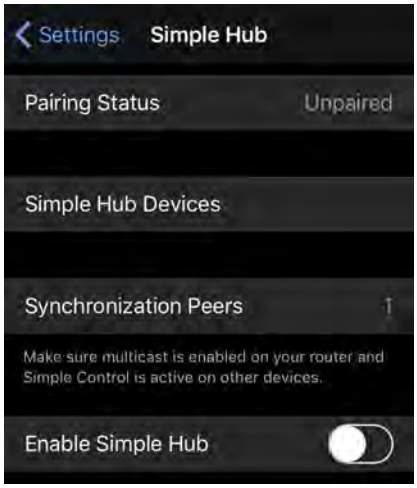
1. In Simple Control, tap the **Settings** icon.

   The **Settings** screen appears.



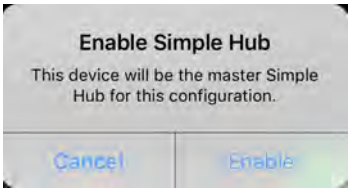
2. Tap **Simple Hub**.

The **Simple Hub** screen appears.



3. Enable Simple Hub by tapping the slider so that the green background appears.

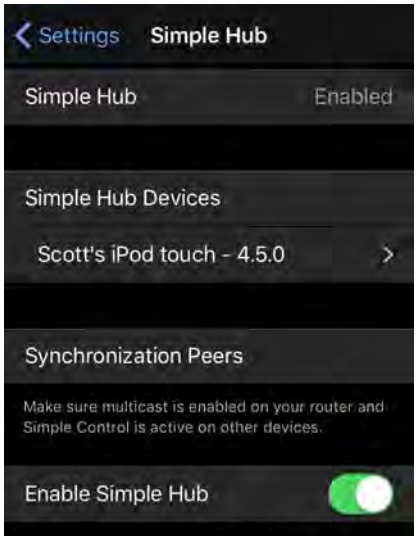
   A confirmation screen appears.



4. Tap **Enable**.

   Simple Hub for iOS is enabled.

   The Simple Hub screen changes to show that Simple Hub is enabled and to list the iOS device you are using in the **Simple Hub Devices** section.



When the client you are using has Simple Hub for iOS enabled, the text at the top of the **Simple Hub** screen reads **Simple Hub** with a status of **Enabled**, as shown here.

Clients paired with the device that has Simple Hub enabled reads **Paired With** and the name of the iOS device with Simple Hub for iOS enabled.

For example, **Paired With** and **Scott's iPod Touch**.

Disabling Simple Hub for iOS

To disable Simple Hub for iOS:

1. In Simple Control, tap the **Settings** icon.

   The **Settings** screen appears.

2. Tap **Simple Hub**.

   The **Simple Hub** screen appears.

3. Disable Simple Hub for iOS by tapping the slider until the black background appears.

   A confirmation dialog appears.

4. Tap **Disable**.

   Simple Hub for iOS is disabled.

Configuring Simple Hub for iOS

Once Simple Hub for iOS is enabled in Simple Control, you can configure it.

To configure Simple Hub for iOS:

1. In Simple Control, tap the **Settings** icon.

   The **Settings** screen appears.

2. Tap **Simple Hub**.

   The **Simple Hub** screen appears.

3. Find the **Simple Hub Devices** section and tap the name of the iOS device hosting Simple Control.

   A screen with the name of the iOS host device appears.

4. Configure the following settings appropriately:

   - **Licensed To:** Displays the email address of the Simple Hub License owner.
   - **OS Version:** Shows the version of iOS running on the iOS host device.
   - **IP Address:** Shows the IP address of the Simple Hub for iOS host device.
   - **External URL:** Shows the URL needed to make a connection to Simple Hub for iOS from *outside* your network.

     If a URL appears (for example, **https://198.51.100.100:47148**), you do not need to do anything. Note that the IP address in your URL will be different than what is shown in this example.

     If a URL does ***not*** appear, refer to **Simple Hub DNS Name** for more information

   - **Automatically Approve Pairing Requests**: When enabled, Simple Hub automatically approves all pairing requests; approval from an already-approved client is no longer required.

- **Allow Commands From External Systems**: When enabled, Simple Hub for iOS allows commands from external systems, such as SmartThings or other systems that use Simple Control's REST API.
- **Simple Hub DNS Name:** Used to set up a port forwarding rule on your router to support access from outside your network, *if needed*. Most routers will ***not*** require a port forwarding rule to be created. A port forwarding rule is generally only needed with older routers that do not support standard protocols and thus remote access does not work initially.

  If a URL appears in the **External URL** field, you do not need to create a port forwarding rule. If a URL does ***not*** appear in the **External URL** field, put your external IP address in the **Hostname** field, then configure a port forwarding rule on your router. Refer to your router's documentation for information about creating a port forwarding rule.

NOTE: Amazon Echo support does *not* require port forwarding. Only the Remote Access feature and External Commands may require port forwarding.

DEDICATING AN iOS DEVICE USING GUIDED ACCESS MODE

When Simple Hub for iOS is enabled (and it is the only instance of Simple Hub on your local network), it must be the active app at all times or the functionality it supports is lost.

To make sure this does not happen, Simple Control recommends using Guided Access mode on the host iOS device. Guided Access mode is an iOS feature that restricts the iOS device to running a single app; in this case, Simple Control.

To dedicate an iOS device to Simple Control:

1. Connect the iOS device to a power source.
2. On your iOS device (*not in Simple Control*), navigate to **Settings > General > Accessibility > Guided Access**.

   The **Guided Access** screen appears.
3. Enable **Guided Access** (by tapping the slider so that the green background appears).
4. Exit from **Settings** on your iOS device.
5. Open the Simple Control.
6. When the Simple Control client is open, triple click the Home button on the iOS device.

   The **Guided Access** screen appears.
7. Tap **Start**.

   The **Set Passcode** screen appears.
8. Enter a four-digit passcode, then re-enter it.

   Guided Access begins.

You can use the Simple Control client normally, but you cannot leave the client without exiting from Guided Access mode.

9. To exit from Guided Access mode, triple click the Home button, enter the four-digit passcode, then click **End**.

Multiple Instances of Simple Hub on a Network

You can have multiple instances of Simple Hub on your local network, but only one can be set as master.

The master Simple Hub acts as the master control for Simple Control clients on the local network, including support for the Remote Access feature and interaction with a SmartThings environment.

There are two common cases for having more than one instance of Simple Hub on your local network:

- **Control of a Mac computer.** In this case, Simple Hub for Mac would be the second instance of Simple Hub on the local network.
- **Camera viewing.** In this case, Simple Hub for Apple TV would be the second instance of Simple Hub on the local network.

Important: If you do have a second instance of Simple Hub on your local network, make sure one instance is set to master and the other is set to slave. Refer to the *Simple Hub User Guide* for more information.

A Simple Blasters

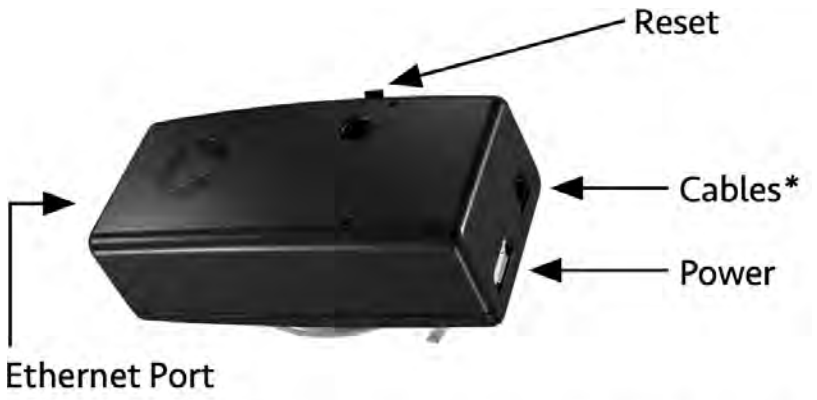
This appendix describes both versions of the Simple Blaster, Ethernet and Wi-Fi.

A Simple Blaster gets infrared and serial devices onto your local network. Purchase of a Simple Blaster adds one additional device to your maximum device count.

This appendix includes:

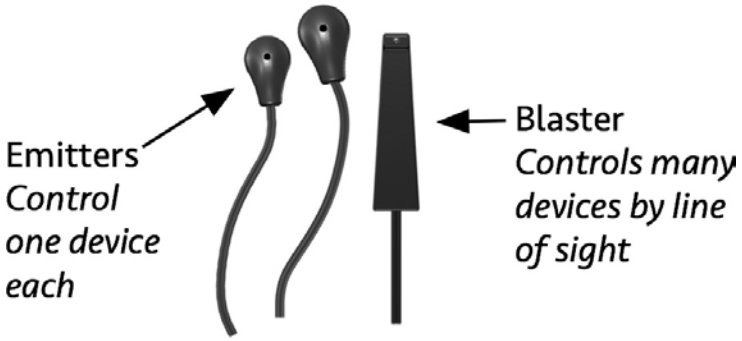
Simple Blaster for Ethernet and PoE

This section describes how to set up the Simple Blaster - Ethernet and the Simple Blaster - PoE.



** The cable connector on the PoE version is green; it is black on the standard version.*

The Ethernet version of the Simple Blaster Complete product comes with a Simple Cable - Complete.



Cables

The Simple Blaster - Ethernet and the Simple Blaster - PoE work with these cables:

- **Simple Cable - Complete:** Has two emitters and one blaster; must connect directly to the Simple Blaster. Affix emitter directly over the infrared port on the target device (test device control *before* removing backing). Position the blaster to target devices by line of sight. Configure devices controlled by the blaster for **IR Port 3** on the **Choose Port** screen. Configure the emitter cable with the single gray band on **IR Port 1** and the emitter cable with the two gray bands on **IR Port 2**.
- **Simple Cable - Triple Emitter:** Has three emitters; must connect directly to a Simple Blaster. Configure the emitter cable with the white band on **IR Port 1**, the red band on **IR Port 2**, and the blue band on **IR Port 3**. Separate purchase.
- **Simple Cable - Serial:** Connects to a serial (RS-232) device; must connect directly to a Simple Blaster. Separate purchase.
- **Simple Cable - Triport Adapter:** Supports three emitters or two emitters and one blaster; must connect directly to a Simple Blaster. Used only with single cable accessories. Separate purchase.
- **Simple Cable - Emitter:** Has one emitter; connects to any port on the Simple Cable - Triport Adapter or directly to the Simple Blaster. Separate purchase.
- **Simple Cable - Blaster:** Has one blaster; connect to **Port 3** on the Simple Cable - Triport Adapter or directly to the Simple Blaster. Separate purchase.
- **Simple Cable - Relay:** Connects directly to a Simple Blaster. The other end has four push-release terminal blocks for connection to external devices. Provides contact closure, sensor feedback, and relay control, allowing control and monitoring of a variety of devices. Separate purchase.

Refer to Appendix B, Cables, for more information about these cables.

Configuration

This procedure assumes the Simple Control client is installed on your iOS device.

To set up a Simple Blaster - Ethernet or Simple Blaster - PoE:

1. Find appropriate locations for the Simple Blaster and the cables you are using, then apply power to the Simple Blaster (using the supplied power adapter is ***optional*** if you are using Simple Blaster - PoE).

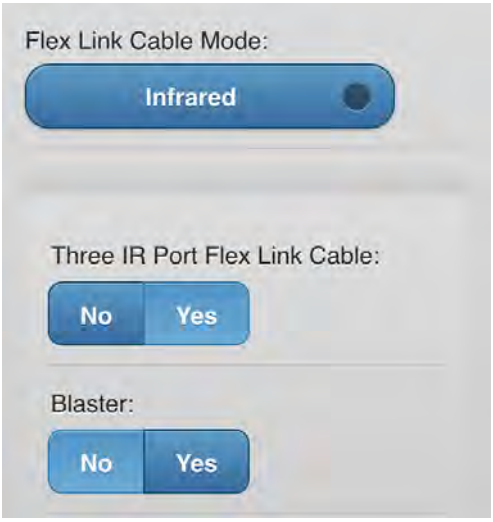
   The Simple Blaster joins your home network and is assigned an IP address via DHCP.

   If no IP address is available via DHCP, then 192.168.1.70 will be used.

2. Open the Simple Control client, edit a room, and tap **Add Device**.

3. On the **Add Device** screen, verify that **Simple Blaster Ethernet** appears.

4. Tap **Simple Blaster Ethernet**.
5. On the **Choose Port** screen:
   - Tap **IR Port 1** if the target device attaches via the emitter cable with one gray band or **IR Port 2** if the target device attaches via the emitter cable with two gray bands.
   - Tap **IR Port 3** if the target device connects via the blaster.
6. Finish configuring the device.
7. On the **Add Device** screen, tap **Simple Blaster Settings**.
8. Tap **Flex Link Cable**, then select **Infrared** as the **Flex Link Cable Mode** on the **Flex Link Cable** screen.



9. Because you are using a Simple Cable - Complete, set **Three IR Port Flex Link Cable** to **Yes**.
10. If the Simple Cable - Complete is controlling devices via the blaster, set **Blaster** to **Yes**.

    If the Simple Cable - Complete is ***not*** controlling devices via a blaster, set **Blaster** to **No**.
11. Tap **Save Changes**.
12. Return to the **Edit Device** screen and tap **Save**.

NOTE: The Simple Blaster comes configured to join your network automatically via DHCP. We recommend configuring your router to reserve the IP address that gets assigned to the Simple Blaster (called static DHCP or DHCP reservation). Refer to your router's documentation for more information.

Troubleshooting

Troubleshooting tips:

- If Simple Blaster Ethernet does not appear on the **Add Device** screen (Step 3), unplug the Simple Blaster for 10 seconds, then plug it back in. If it does not appear after 30 seconds, power cycle your iOS device.

  If the issue continues, reset the Simple Blaster and try setting it up again.

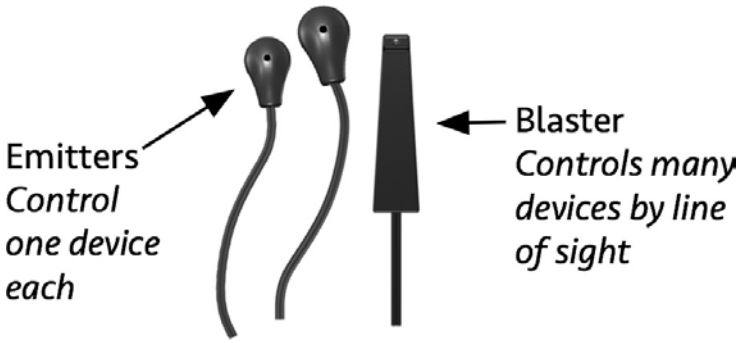
  To reset the Simple Blaster, hold down the **Reset** button for ~13 seconds. When the LED blinks very fast, release the **Reset** button.
- If you are having issues with an infrared device: raise the **Retransmit Count** setting on the **Edit Device** screen to **2** or **3** (from **1**), make sure any target device that is controlled via a blaster is set to **IR Port 3**, and check the line of sight for any device that is being controlled via a blaster.
- If you are using Simple Blaster - PoE (802.3af compliant), make sure the switch or router is supplying power; check the device's specifications.

NOTE: The Simple Blaster - PoE includes a power adapter; using it is optional.

SIMPLE BLASTER FOR WI-FI

This section describes how to set up the Simple Blaster - Wi-Fi.

The Wi-Fi version of the Simple Blaster Complete product comes with a Simple Cable - Complete.



Cables

The Simple Blaster - Wi-Fi works with these cables:

- **Simple Cable - Complete:** Has two emitters and one blaster; must connect directly to the Simple Blaster. Affix emitter directly over the infrared port on the target device (test device control *before* removing backing). Position the blaster to target devices by line of sight. Configure devices controlled by the blaster for **IR Port 3** on the **Choose Port** screen. Configure the emitter cable with the single gray band on **IR Port 1** and the emitter cable with the two gray bands on **IR Port 2**.
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- **Simple Cable - Emitter:** Has one emitter; connects to any port on the Simple Cable - Triport Adapter or directly to the Simple Blaster. Separate purchase.
- **Simple Cable - Blaster:** Has one blaster; connect to **Port 3** on the Simple Cable - Triport Adapter or directly to the Simple Blaster. Separate purchase.
- **Simple Cable - Relay:** Connects directly to a Simple Blaster. The other end has four push-release terminal blocks for connection to external devices. Provides contact closure, sensor feedback, and relay control, allowing control and monitoring of a variety of devices. Separate purchase.

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Configuration

This procedure assumes the Simple Control client is installed on your iOS device.

To set up a Simple Blaster - Wi-Fi:

1. Find appropriate locations for the Simple Blaster and cables, then apply power to the Simple Blaster.
2. On a browser-equipped wireless device (an iPad or laptop, for example), look for available wireless networks.

NOTE: The Simple Blaster - Wi-Fi is initially an unsecured ad-hoc Wi-Fi device.

The name (**SimpleControl000C1D1EEE11**, for example) appears listed on the wireless device.

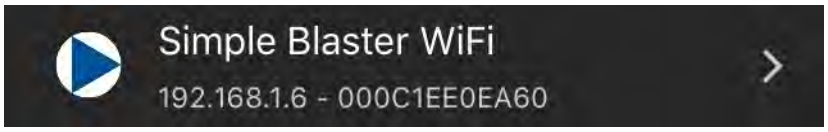
3. Join your wireless device to the Simple Blaster's ad-hoc network.
4. Open a web browser on the wireless device.

If the web browser does not open to http://192.168.1.70, enter this address and wait for the page to display.

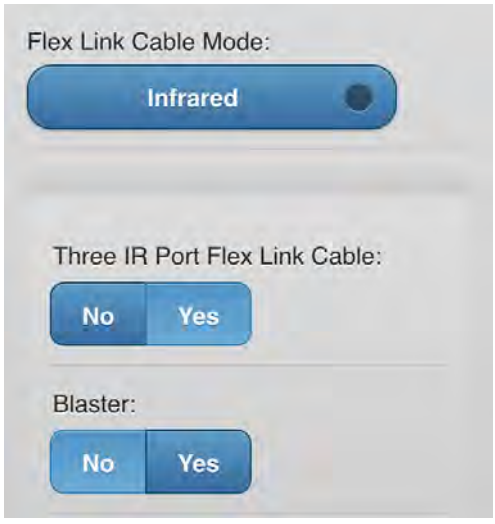
5. Select your home network, then enter the SSID and/or passphrase to log on to your home network.

   The Simple Blaster - Wi-Fi joins your network and is assigned an IP address via DHCP.

6. Close the web browser on your wireless device, then switch it back to your home network (from the ad-hoc network).
7. Open the Simple Control client, edit a room, and tap **Add Device**.
8. On the **Add Device** screen, verify that **Simple Blaster WiFi** appears.



9. Tap **Simple Blaster WiFi**.
10. On the **Choose Port** screen:
    - Tap **IR Port 1** if the target device attaches via the emitter cable with one gray band or **IR Port 2** if the target device attaches via the emitter cable with two gray bands.
    - Tap **IR Port 3** if the target device connects via the blaster.
11. Finish configuring the device.
12. On the **Add Device** screen, tap **Simple Blaster Settings**.
13. Tap **Flex Link Cable**, then select **Infrared** as the **Flex Link Cable Mode** on the **Flex Link Cable** screen.



14. Because you are using a Simple Cable - Complete, set **Three IR Port Flex Link Cable** to **Yes**.

15. If the Simple Cable - Complete is controlling devices via the blaster, set **Blaster** to **Yes**.

    If the Simple Cable - Complete is ***not*** controlling devices via a blaster, set **Blaster** to **No**.

16. Tap **Save Changes**.
17. Return to the **Add Device** screen and tap **Save**.

NOTE: The Simple Blaster comes configured to join your network automatically via DHCP. Simple Control strongly recommends configuring your router to reserve the IP address that gets assigned to the Simple Blaster (called static DHCP or DHCP reservation). Refer to your router's documentation for more information.

Troubleshooting

Troubleshooting tips:

- If **Simple Blaster Wifi** does not appear on the **Add Device** screen (Step 8), unplug the Simple Blaster for 10 seconds, then plug it back in. If it does not appear after 30 seconds, power cycle your iOS device.

  If the issue continues, make sure your router is configured to allow 802.11g Wi-Fi, then reset the Simple Blaster and try setting it up again.

  To reset a Simple Blaster, hold down the **Reset** button for ~13 seconds. When the LED blinks very fast, release the **Reset** button.

- If you are having issues with an infrared device: raise the **Retransmit Count** setting on the **Edit Device** screen to **2** or **3** (from **1**), make sure any target device that is controlled via a blaster cable is set to **IR Port 3**, and check the line of sight for any device that is being controlled via a blaster cable.

B Cables

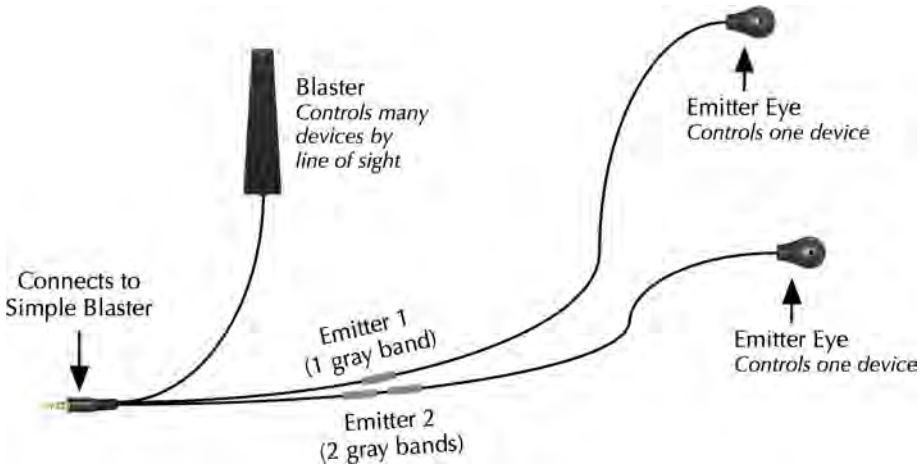
This appendix describes the cables you can use with Simple Control.

This appendix includes:

Simple Cable - Complete

The Simple Cable - Complete lets you control multiple devices using the blaster and one device each using the two emitters.

The Simple Cable - Complete is included with both Simple Blaster Complete products (Wi-Fi and Ethernet); it is also available for separate purchase from the Simple Control Store.



Hardware Setup

The Simple Cable - Complete has a 3.5mm connector on one end that must attach directly to a Simple Blaster. ***The Simple Cable - Complete cannot be used with the Simple Cable - Triport Adapter.***

On the other end, the Simple Cable - Complete has three single-cable accessories:

- **Emitter 1:** A single emitter cable with one gray band. Configure the device being controlled by this emitter on **IR Port 1**. To affix the emitter eye: remove the backing, place the emitter eye directly over the infrared receiver of the target device, and press firmly (test device control *before* removing backing).
- **Emitter 2:** A single emitter cable with two gray bands. Configure the device being controlled by this emitter on **IR Port 2**. To affix the emitter eye: remove the backing, place the emitter eye directly over the infrared receiver of the target device, and press firmly (test device control *before* removing backing).
- **Blaster:** A single blaster cable; no gray band. Place the blaster eye within ~25 feet and in line of sight of the infrared receiver of all devices you want to control.

  If you are controlling devices with the blaster, during software configuration you must configure all of these devices on **IR Port 3**. You must also configure the Simple Blaster to support a blaster (**Flex Link Cable** > **Mode: Infrared, Three IR Port Flex Link Cable: Yes, Blaster: Yes**).

  This is a global setting for the Simple Blaster; you only have to set it once per Simple Blaster no matter how many devices are being controlled by the blaster.

Software Configuration

To configure a Simple Cable - Complete:

1. Open the Simple Control client, edit a room, and tap **Add Device**.
2. On the **Add Device** screen, tap **Simple Blaster WiFi** or **Simple Blaster Ethernet**.
3. On the **Choose Port** screen, tap the appropriate port:
   - If you are configuring a device being controlled by an emitter, configure the device attached to the emitter cable with the single gray band (Emitter 1) on **IR Port 1** and the device attached to the emitter cable with the two gray bands (Emitter 2) on **IR Port 2**.
   - If you are configuring a device controlled by a blaster, choose **IR Port 3**. All devices controlled by a blaster ***must*** be configured on **IR Port 3**.
4. Finish configuring the device.
5. Return to the **Add Device** screen and make any necessary changes, then tap **Save**.
6. Repeat Steps 1 through 5 for each device you are controlling using the Simple Cable - Complete.
7. On the **Add Device** screen, tap **Simple Blaster Settings**.
8. On the page that loads, tap **Flex Link Cable**.

9. Select **Infrared** for the **Flex Link Cable Mode**.
10. Set **Three IR Port Flex Link Cable** to **Yes**; if you are controlling any devices using the blaster, set **Blaster** to **Yes**.

    These are global settings for the Simple Blaster; you only have to set them once per Simple Blaster, no matter how many devices are being controlled by the blaster.
11. Tap **Save Changes**, then return to the **Add Device** screen and tap **Save**.

Troubleshooting

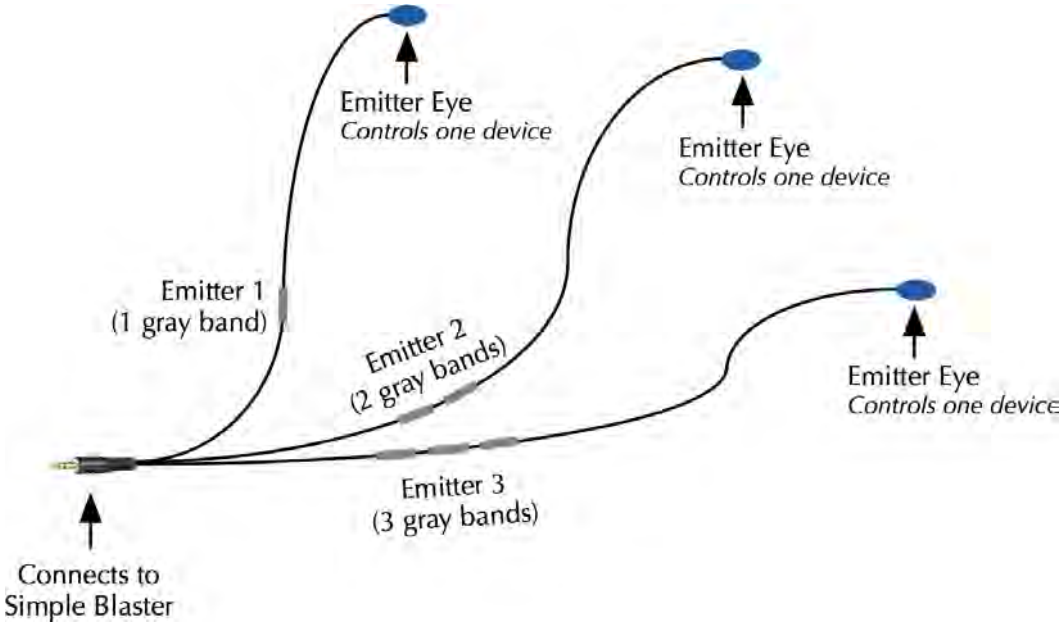
Troubleshooting tips:

- The Simple Cable - Complete must be directly connected to a Simple Blaster. *Do not connect it to a Simple Cable - Triport Adapter; it will not work correctly.*
- All devices being controlled by the blaster must be within ~25 feet and in line of sight of the blaster eye.
- If you are controlling devices with the blaster, during software configuration you must configure these devices on **IR Port 3** and also configure the Simple Blaster to support a blaster (**Flex Link Cable Mode: Infrared, Three IR Port Flex Link Cable: Yes, Blaster: Yes**).
- Configure the device being controlled by the emitter cable with the single gray band (Emitter 1) on **IR Port 1** and the device being controlled by the emitter cable with the two gray bands (Emitter 2) on **IR Port 2**.

SIMPLE CABLE - TRIPLE EMITTER

The Simple Cable - Triple Emitter lets you control one device per emitter.

It is available for purchase from the Simple Control Store.



Hardware Setup

The Simple Cable - Triple Emitter has a 3.5mm connector on one end that must attach directly to a Simple Blaster. The Simple Cable - Triple Emitter **cannot** be used with the Simple Cable - Triport Adapter.

On the other end, the Simple Cable - Triple Emitter has three single-cable accessories:

- **Emitter 1:** A single emitter cable with a white band. Configure the device being controlled by this emitter on **IR Port 1**. To affix the emitter eye: remove the backing, place the emitter eye directly over the infrared receiver of the target device, and press firmly (test device control *before* removing backing).
- **Emitter 2:** A single emitter cable with a red band. Configure the device being controlled by this emitter on **IR Port 2**. To affix the emitter eye: remove the backing, place the emitter eye directly over the infrared receiver of the target device, and press firmly (test device control *before* removing backing).
- **Emitter 3:** A single emitter cable with a blue band. Configure the device being controlled by this emitter on **IR Port 3**. To affix the emitter eye: remove the backing, place the emitter eye directly over the infrared receiver of the target device, and press firmly (test device control *before* removing backing).

Software Configuration

To configure a Simple Cable - Triple Emitter:

1. Open the Simple Control client, edit a room, and tap **Add Device**.
2. On the **Add Device** screen, tap **Simple Blaster WiFi** or **Simple Blaster Ethernet**, as appropriate.
3. On the **Choose Port** screen, tap the appropriate port:
   - **IR Port 1:** For the device attached to the emitter cable with the white band (Emitter 1).
   - **IR Port 2:** For the device attached to the emitter cable with the red band (Emitter 2).
   - **IR Port 3:** For the device attached to the emitter cable with the blue band (Emitter 3).
4. Finish configuring the device.
5. Return to the **Add Device** screen and make any changes, then tap **Simple Blaster Settings**.
6. On the page that loads, tap **Flex Link Cable**.
7. Select **Infrared** for the **Flex Link Cable Mode**.
8. Set **Three IR Port Flex Link Cable** to **Yes** and **Blaster** to **No**.

   These are global settings for the Simple Blaster; you only have to set them once per Simple Blaster no matter how many devices are being controlled.
9. Tap **Save Changes**, then return to the **Add Device** screen and tap **Save**.

Troubleshooting

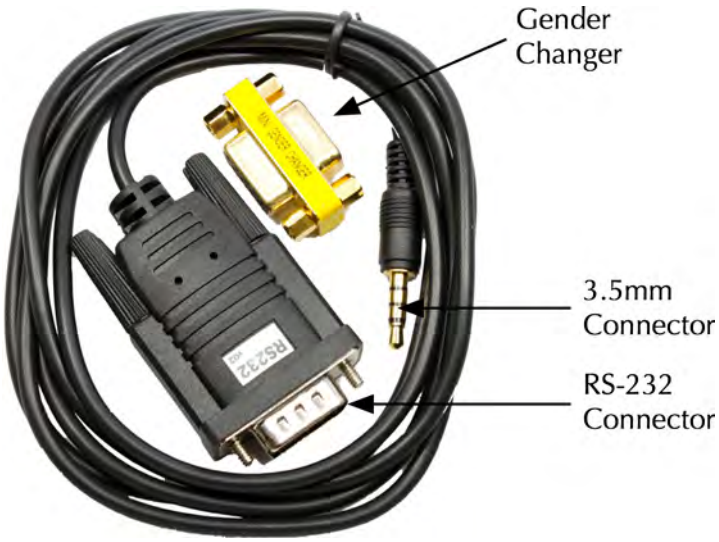
Troubleshooting tips:

- The Simple Cable - Triple Emitter must be directly connected to a Simple Blaster. *Do not connect the Simple Cable - Triple Emitter to a Simple Cable - Triport Adapter; it will not work correctly.*
- Configure the device being controlled by the emitter cable with the white band (Emitter 1) on **IR Port 1**, the device being controlled by the emitter cable with the red band (Emitter 2) on **IR Port 2**, and the device attached to the emitter cable with the blue band (Emitter 3) on **IR Port 3**.
- Configure the Simple Blaster appropriately: **Three IR Port Flex Link Cable** to **Yes** and **Blaster** to **No**.

Simple Cable - Serial

The Simple Cable - Serial provides serial (RS-232) connectivity to one device.

The Simple Cable - Serial is purchased separately from the Simple Control Store.



Hardware Setup

The Simple Cable - Serial has a 3.5mm connector on one end that must attach directly to a Simple Blaster (Wi-Fi or Ethernet versions). ***The Simple Cable - Serial cannot be used with the Simple Cable - Triport Adapter.***

The other end of the Simple Cable - Serial is a 9-pin, male, RS-232 connector that attaches to a female RS-232 connector on the target serial device. Included with the Simple Cable - Serial is a gender changer that allows it to connect to a male RS-232 connector.

Software Configuration

To configure a Simple Cable - Serial:

1. Open the Simple Control client, edit a room, and tap **Add Device**.
2. On the **Add Device** screen, tap **Simple Blaster WiFi** or **Simple Blaster Ethernet**.
3. On the **Choose Port** screen, tap **Serial 1**.
4. Finish configuring the device.
5. On the **Add Device** screen, tap **Simple Blaster Settings**.
6. On the page that loads, tap **Flex Link Cable**.
7. Select **Serial** from the **Flex Link Cable Mode** menu.
8. Verify that the settings are appropriate for the target device.

Use the **Crossover** field to set the Simple Cable - Serial to Standard (straight through, the default) or Crossover (null modem); tap **True** for Crossover, **False** for Standard.

9. Tap **Save Changes**.
10. Return to the **Add Device** screen and tap **Save**.

Troubleshooting

Troubleshooting tips:

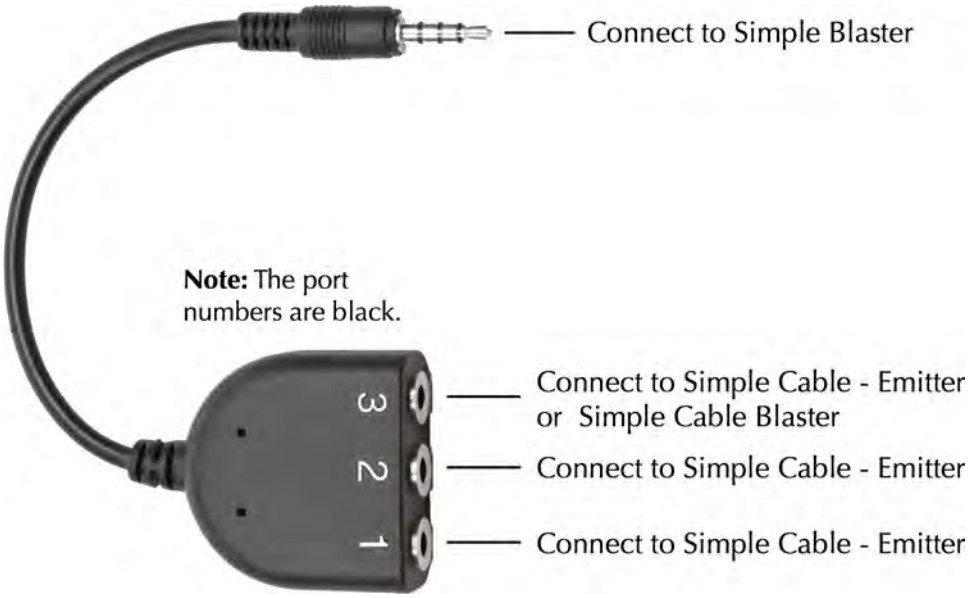
- Make sure the Simple Cable - Serial is correctly connected to the target device.
- Make sure the serial settings on the Flex Link Cable screen are appropriate for the target device; consult the device's documentation for more information, if necessary.

Simple Cable - Triport Adapter

The Simple Cable - Triport Adapter lets you connect up to three Simple Cable - Emitters or up to two Simple Cable - Emitters and one Simple Cable - Blaster to a Simple Blaster (Wi-Fi or Ethernet).

IMPORTANT: Do not connect a Simple Cable - Complete, a Simple Cable - Triple Emitter, or a Simple Cable - Serial to a Simple Cable - Triport Adapter; they will not work.

The Simple Cable - Triport Adapter comes with all Simple Blaster Complete products; it is also available for separate purchase from the Simple Control Store.



Hardware Setup

The Simple Cable - Triport Adapter has a 3.5mm connector on one end that must attach directly to a Simple Blaster.

On the other end, the Simple Cable - Triport Adapter has three ports, labeled **1**, **2**, **3** in black letters:

- **Ports 1 and 2:** you can attach a Simple Cable - Emitter to either or both. Do not attach a Simple Cable - Blaster to Port 1 or 2; it will not work correctly. During software configuration, make sure to correctly match the port number and device. For example, if you are controlling a TV using a Simple Cable - Emitter attached to **Port 1** on the Simple Cable - Triport Adapter, make sure to choose **IR Port 1** during software configuration of the TV.
- **Port 3:** you can attach a Simple Cable - Emitter or a Simple Cable - Blaster. *This is the only port on the Simple Cable - Triport Adapter that supports a Simple Cable - Blaster.*

  If you attach a Simple Cable - Blaster to Port 3 and are controlling devices with the blaster, during software configuration you must configure all of these devices on **IR Port 3** and also configure the Simple Blaster to support a blaster (**Three IR Port Flex Link Cable** set to **Yes** and **Blaster** set to **Yes**).

NOTE: You can connect either the Simple Cable - 25' Extension or Simple Cable - 12' Extension to any port on the Simple Cable - Triport Adapter to extend the reach of a Simple Cable - Emitter or a Simple Cable - Blaster. You can also connect the Simple Cable - Xantech Compatibility to any port on the Simple Cable - Triport Adapter; configure it as if it were an emitter cable.

Software Configuration

To configure a Simple Cable - Triport Adapter:

1. Open the Simple Control client, edit a room, and tap **Add Device**.
2. On the **Add Device** screen, tap **Simple Blaster WiFi** or **Simple Blaster Ethernet**.
3. On the **Choose Port** screen, tap the appropriate port number.
   - If you are configuring a device controlled by a Simple Cable - Emitter, be sure to match the port number with the device you are configuring.
   - If you are configuring a device controlled by a Simple Cable - Blaster, choose **IR Port 3**. *All devices controlled by a Simple Cable - Blaster must be configured on **IR Port 3**.*
4. Finish configuring the device.
5. Return to the **Add Device** screen and make any changes, then tap **Save**.

   Follow Steps 1 through 5 for devices being controlled via Simple Cable - Emitters. No other steps are necessary.
6. If you are controlling any devices with a Simple Cable - Blaster, continue to Step 7.
7. On the **Add Device** screen, tap **Simple Blaster Settings**.

8. On the page that loads, tap **Flex Link Cable**.
9. Select **Infrared** for the **Flex Link Cable Mode**.
10. Set **Three IR Port Flex Link Cable** to **Yes** and **Blaster** to **Yes**.

    This is a global setting for the Simple Blaster; you only have to set it once for the Simple Blaster, no matter how many devices are being controlled by the blaster.
11. Tap **Save Changes**, then return to the **Add Device** screen and tap **Save**.

Troubleshooting

Troubleshooting tips:

- The Simple Cable - Triport Adapter ***must*** be directly connected to a Simple Blaster.
- Connect only single cable accessories (Simple Cable - Emitter, Simple Cable - Blaster, Simple Extension Cable, Simple Cable - Xantech Compatibility) to the Simple Cable - Triport Adapter. *Do not connect a Simple Cable - Complete, a Simple Cable - Triple Emitter, or a Simple Cable - Serial to the Simple Cable - Triport Adapter; they will not work.*
- If you connect a Simple Cable - Blaster to a Simple Cable - Triport Adapter and use it to control devices, the Simple Cable - Blaster must be physically connected to **Port 3** and the devices must be configured in software on **IR Port 3**. You must also configure the Simple Blaster to support a blaster (**Flex Link Cable Mode: Infrared, Three IR Port Flex Link Cable: Yes, Blaster: Yes**).

Simple Cable - Emitter

The Simple Cable - Emitter lets you control one device.

The Simple Cable - Emitter is available for purchase from the Simple Control Store.

Hardware Setup

The Simple Cable - Emitter has a 3.5mm connector on one end that can attach:

- **Directly to a Simple Blaster:** In this configuration, no other cables can be connected to the Simple Blaster.
- **To one port of a Simple Cable - Triport Adapter:** In this configuration, the Simple Cable - Emitter can be connected to any port of the Simple Cable - Triport Adapter.

NOTE: If you also intend on connecting a Simple Cable - Blaster to a port on the same Simple Cable - Triport Adapter, the Simple Cable - Blaster can only be connected to Port 3, so you would want to attach the Simple Cable - Emitter to Port 1 or Port 2.

On the other end, the Simple Cable - Emitter has one emitter eye, which is used to control one device. To affix the emitter eye: remove the backing, place the emitter eye directly over the infrared receiver of the target device, and press firmly (test device control *before* removing backing).

Software Configuration

To configure a Simple Cable - Emitter:

1. Open the Simple Control client, edit a room, and tap **Add Device**.
2. On the **Add Device** screen, tap **Simple Blaster WiFi** or **Simple Blaster Ethernet**.
3. On the **Choose Port** screen, tap the appropriate port:
   - If the Simple Cable - Emitter is directly connected to a Simple Blaster, select **IR Port 1**.
   - If the Simple Cable - Emitter is connected to a port on a Simple Cable - Triport Adapter, select that port. For example, if the Simple Cable - Emitter is connected to **Port 2** of the Simple Cable - Triport Adapter, select **IR Port 2**.
4. Finish configuring the device.
5. Return to the **Add Device** screen and make any changes, then tap **Simple Blaster Settings**.

6. On the page that loads, tap **Flex Link Cable**.
7. On the **Flex Link Cable** screen:
   - Set **Flex Link Cable Mode** to **Infrared**.
   - If the Simple Cable - Emitter is directly connected to a Simple Blaster, set **Three IR Port Flex Link Cable** to **No** and **Blaster** to **No**.
   - If the Simple Cable - Emitter is connected to a Simple Cable - Triport Adapter ***without*** a Simple Cable - Blaster connecting on Port 3, set **Three IR Port Flex Link Cable** to **No** and **Blaster** to **No**.
   - If the Simple Cable - Emitter is connected to a Simple Cable - Triport Adapter and a Simple Cable - Blaster is connecting on Port 3, set **Three IR Port Flex Link Cable** to **No** and **Blaster** to **Yes**.

   This is a global setting for the Simple Blaster; you only have to set it once per Simple Blaster, no matter how many devices the blaster is controlling.
8. Tap **Save Changes**, then return to the **Add Device** screen and tap **Save**.

Troubleshooting

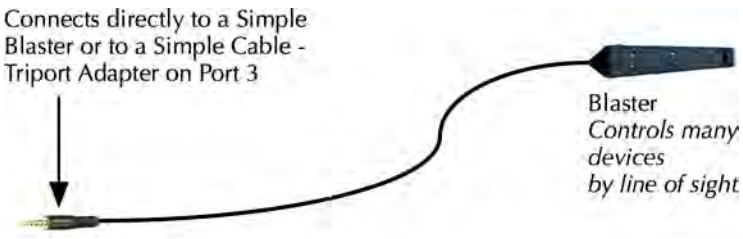
Troubleshooting tips:

- The Simple Cable - Emitter can only be directly connected to a Simple Blaster or connected to a port on a Simple Cable - Triport Adapter.
- If the Simple Cable - Emitter is directly connected to a Simple Blaster, configure the device being controlled by the Simple Cable - Emitter on **IR Port 1** during software configuration.
- If the Simple Cable - Emitter is connected to a port on a Simple Cable - Triport Adapter, configure the device being controlled by the Simple Cable - Emitter on the same port (that is, **Port 2** on the Simple Cable - Triport Adapter means **IR Port 2**, and so on) during software configuration.
- Configure the Simple Blaster appropriately:
  - If the Simple Cable - Emitter is directly connected to a Simple Blaster, set **Three IR Port Flex Link Cable** to **No** and **Blaster** to **No**.
  - If the Simple Cable - Emitter is connected to a Simple Cable - Triport Adapter ***without*** a Simple Cable - Blaster connecting on Port 3, set **Three IR Port Flex Link Cable** to **No** and **Blaster** to **No**.
  - If the Simple Cable - Emitter is connected to a Simple Cable - Triport Adapter and a Simple Cable - Blaster is connecting on Port 3, set **Three IR Port Flex Link Cable** to **No** and **Blaster** to **Yes**.

Simple Cable - Blaster

The Simple Cable - Blaster lets you control multiple devices.

The Simple Cable - Blaster is available for purchase from the Simple Control Store.



Hardware Setup

The Simple Cable - Blaster has a 3.5mm connector on one end that can attach:

- **Directly to a Simple Blaster:** In this configuration, no other cables can be connected to the Simple Blaster.
- **To Port 3 of a Simple Cable - Triport Adapter:** When connecting to a Simple Cable - Triport Adapter, the Simple Cable - Blaster must be connected to Port 3. Ports 1 and 2 of a Simple Cable - Triport Adapter are reserved for emitter cables.

On the other end, the Simple Cable - Blaster has one blaster, which lets you control multiple devices. Place the blaster eye within ~25 feet and in line of sight of the infrared receiver of all devices you want to control.

Software Configuration

To configure a Simple Cable - Blaster:

1. Open the Simple Control client, edit a room, and tap **Add Device**.
2. On the **Add Device** screen, tap **Simple Blaster WiFi** or **Simple Blaster Ethernet**.
3. On the **Choose Port** screen, tap the appropriate port:
   - If the Simple Cable - Blaster is directly connected to a Simple Blaster, select **IR Port 3**.
   - If the Simple Cable - Blaster is connected to **Port 3** on a Simple Cable - Triport Adapter, select **IR Port 3**.
4. Finish configuring the device.
5. Return to the **Add Device** screen and make any changes, then tap **Simple Blaster Settings**.
6. On the page that loads, tap **Flex Link Cable**.
7. On the **Flex Link Cable** screen:
   - Set **Flex Link Cable Mode** to **Infrared**.

- If the Simple Cable - Blaster is directly connected to a Simple Blaster, set **Three IR Port Flex Link Cable** to **No** and **Blaster** to **Yes**.
- If the Simple Cable - Blaster is connected to a Simple Cable - Triport Adapter on Port 3, set **Three IR Port Flex Link Cable** to **No** and **Blaster** to **Yes**.

This is a global setting for the Simple Blaster; you only have to set it once per Simple Blaster, no matter how many devices are being controlled by the blaster.

8. Tap **Save Changes**, then return to the **Add Device** screen and tap **Save**.

Troubleshooting

Troubleshooting tips:

- Make sure the blaster eye is within ~25 feet of each device you want to control and has line of sight to the infrared receivers of the devices.
- The Simple Cable - Blaster can be directly connected to a Simple Blaster or it can be connected to **Port 3** of a Simple Cable - Triport Adapter.
- During software configuration, configure all devices being controlled by the Simple Cable - Blaster to **IR Port 3**. This applies whether the Simple Cable - Blaster is directly connected to a Simple Blaster or connected to **Port 3** of a Simple Cable - Triport Adapter.
- Configure the Simple Blaster appropriately:
  - If the Simple Cable - Blaster is directly connected to a Simple Blaster, set **Three IR Port Flex Link Cable** to **No** and **Blaster** to **Yes**.
  - If the Simple Cable - Blaster is connected to a Simple Cable - Triport Adapter on Port 3, set T**hree IR Port Flex Link Cable** to **No** and **Blaster** to **Yes**.

Simple Cable - Relay

The Simple Cable - Relay provides contact closure, sensor feedback, and relay control, allowing control and monitoring of a variety of devices.

The Simple Cable - Relay is purchased separately from the Simple Control Store.

Hardware Setup

The Simple Cable - Relay has a 3.5mm connector on one end that must attach directly to a Simple Blaster (Wi-Fi or Ethernet). *The Simple Cable - Relay cannot be used with the Simple Cable - Triport Adapter.*

The other end of the Simple Cable - Relay has four push-release terminal blocks for connection to external devices.

Software Configuration

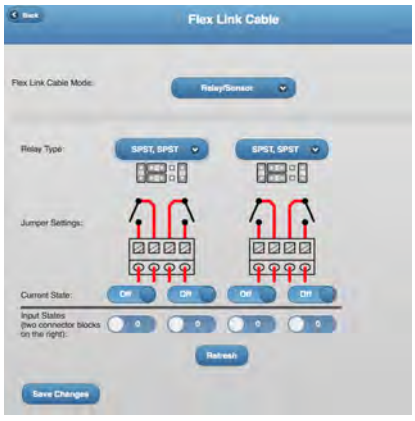
The Simple Cable - Relay requires Simple Blaster firmware version 14 or above.

To configure a Simple Cable - Relay:

1. Open the Simple Control client, edit a room, and tap **Add Device**.
2. On the **Add Device** screen, tap **Simple Blaster WiFi** or **Simple Blaster Ethernet**.
3. On the **Choose Port** screen, tap **Sensor Control**.
4. On the **Add Device** screen, tap **Save**.
5. To configure the Simple Cable - Relay for the target device, enter the IP address of the Simple Blaster in a web browser.
6. On the page that loads, tap **Flex Link Cable**.

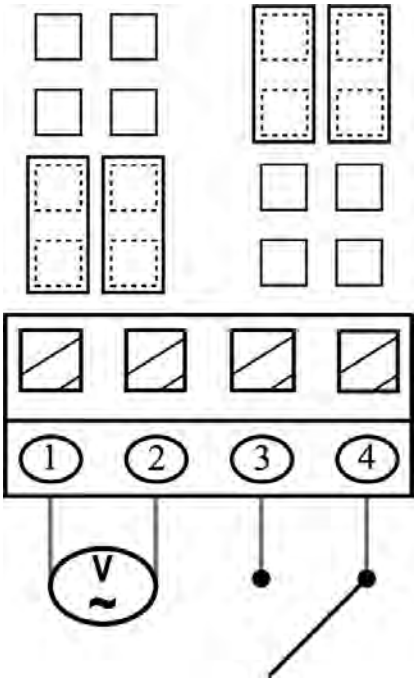
   The **Flex Link Cable** screen appears.
7. In the **Flex Link Cable Mode** field, select **Relay/Sensor**.

   The **Relay/Sensor** settings appear.



8. Configure the settings appropriately for the target device:

- **Relay Outputs.** Relay outputs can be configured as a variety of relay types for controlling a wide range of devices. To configure a relay, select the desired mode on the webpage using the **Relay Type** dropdown menus. Next, install the hardware jumpers as indicated and tap **Save Changes**. Finally, connect your device to the connector terminals as indicated (the image above shows a conceptual diagram of the selected relay type). The relay outputs can now be controlled using the **Current State** toggle buttons and tapping **Save Changes**. Note that the relay output states are not automatically updated if changed by a different client. To update the current output states, tap **Refresh**.
- **Sensor Inputs.** Sensor inputs can be configured to sense the presence of AC or DC voltage or current, or dry contact closure. Each sensor input uses a pair of pins on the terminal block connection.



For voltage sense mode, set jumpers at the positions nearest the connector terminals, then connect the voltage/current source to the pair of adjacent pins (1 and 2 in the image above).

For contact closure mode, set jumpers in the positions farthest away from the connector terminals, then connect the contact closure switch at the two adjacent corresponding pins (3 and 4 in the image above).

The state of the sensor inputs is indicated by the **Input States** toggle indicators, just below the **Relay** outputs.

9. Tap **Save Changes**.

Troubleshooting

Troubleshooting tips:

- Make sure the Simple Cable - Relay is correctly connected to the target device.
- Make sure the **Relay/Sensor** settings on the **Flex Link Cable** screen are appropriate for the target device; consult the device's documentation for more information, if necessary.

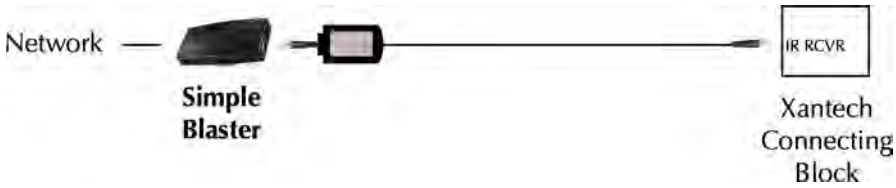
Simple Cable - Xantech Compatibility

The Simple Cable - Xantech Compatibility allows you to add devices on a Xantech system to a your Simple Control setup.

The Simple Cable - Xantech Compatibility is purchased separately from the Simple Control Store.

Overview

The Simple Cable - Xantech Compatibility converts an infrared output to a Xantech IR input. Infrared signals from 30 KHz to 72 KHz can be sent directly to a Xantech Connecting Block.



The Simple Cable - Xantech Compatibility is optically isolated to ensure circuit isolation and protection. ***Using a standard mono cable for the connection will not work and could damage either or both devices.*** The Simple Cable - Xantech Compatibility modulates the proper voltage required to translate between the Simple Blaster and Xantech systems.

Adding a Xantech system to your Simple Control environment allows you to control the devices on the Xantech system.

NOTE: Xantech systems do not allow for devices to be addressed individually. Instead, when you send a command to one device on the Xantech system, it gets sent to all of the devices on the Xantech system (in a Simple Control environment, devices are addressed individually). This generally has no effect for devices of different types or from different manufacturers; commands that a device cannot understand are ignored by the device. However, if you have two TVs of the exact same type on the Xantech system, for example, the commands you send to one will also be received and implemented by the other.

Hardware Setup

The Simple Cable - Xantech Compatibility has a 3.5mm connector and a rectangular block on one end that can attach:

- **Directly to a Simple Blaster:** In this configuration, no other cables can be connected to the Simple Blaster (Wi-Fi or Ethernet versions).
- **To one port of a Simple Cable - Triport Adapter:** In this configuration, the Simple Cable - Xantech Compatibility can be connected to any port of the Simple Cable - Triport Adapter.

NOTE: If you also intend on connecting a Simple Cable - Blaster to a port on the same Simple Cable - Triport Adapter, the Simple Cable - Blaster can only be connected to **Port 3**, so you would not want to attach the Simple Cable - Xantech Compatibility to **Port 3**.

The other end of the Simple Cable - Xantech Compatibility connects to the **IR RCVR** port of a Xantech Connecting Block.

IMPORTANT: The two ends of the Simple Cable - Xantech Compatibility are **not** interchangeable; the end with the rectangular block must connect to the Simple Blaster; the end with just a 3.5mm connector must connect to the Xantech Connecting Block. See the graphic on page 1 for orientation.

Software Configuration

There is no software configuration for the Simple Cable - Xantech Compatibility.

Troubleshooting

Troubleshooting tips:

- Make sure the connector with the rectangular block is attached to the Simple Blaster.
- Make sure the connector attaches to the **IR RCVR** port on the Xantech Connecting Block.
- Make sure the Xantech system is set up correctly.

C Amazon Echo Integration

This appendix describes how to integrate Simple Control with Amazon Echo.

Amazon Echo includes Alexa, a cloud-based voice service that can be used to give commands to Simple Control. Once you integrate Simple Control with Amazon Echo, you can control your Simple Control environment by speaking your commands.

This appendix includes:

Required Components

- **Simple Control client.** All versions, including 4.5. You must pair with Simple Hub and enable the Remote Access feature.
- **Remote Access.** Must be enabled.
- **Simple Hub.** Must be paired with the Simple Control client.
- **Active Simple Service subscription.** Required.
- **Simple Control account.** You must pair the Alexa app with your Simple Control account and be signed in to that account in the Simple Control client.
- **Amazon Echo**
- **Amazon Alexa app**

Pairing the Amazon Alexa App

You need to pair the Amazon Alexa app with your Simple Control account before you can give voice commands to Simple Control.

Note: This procedure assumes your Simple Control environment and your Amazon Echo are configured, running, and meet the requirements listed above in Required Components.

To pair the Amazon Alexa app with Simple Control:

1. Open the Alexa app, then tap menu icon (the three horizontal lines in the upper left corner).
2. Select **Skills** from the menu that appears.
3. Enter **Simple Control** in the **Search Skills** field.
4. When you find the Simple Control entry, tap **Enable**.

5. Log in to your Simple Control account on the screen that appears.
6. When prompted to allow Amazon Echo access to your account, tap **Allow**.
7. When you see the message saying that your Simple Control Skill has been linked to Amazon Echo, exit from the Alexa app.

Giving Voice Commands

To give a command to Simple Control, you need to start with the wake word, "Alexa," and then tell Amazon Echo you want the command to apply to Simple Control by using the Simple Control invocation name, which is "Simple Control."

Voice commands you want to pass to Simple Control start this way:

Alexa, tell Simple Control to ...

Which would be followed by the appropriate command phrase. The "to" is omitted in some cases.

For example, to start an activity called Listen to Sonos in a room named Office, you could say:

Alexa, tell Simple Control to Listen to Sonos in the Office

Keep the following in mind when structuring your command phrases:

- For a quick overview of how to give a command to Simple Control via Alexa, say:

  Alexa, start Simple Control.

  When Alexa asks **"What would you like me to do?"** at the end, you can either say a command phrase or say **"Alexa, cancel."**
- The current generation of the Alexa voice service has difficulty with obscure words and phrases; for example, Mede8er. The more common and distinct the word or phrase, the higher the likelihood that Alexa will understand it.
- Use these Room names:

Bedroom	Kitchen	Office	Living room
Family room	Dining room	Parlor	Theater
Kid's room	Kid's bedroom	Baby's room	Baby's bedroom
Nursery	Guest room	Guest bedroom	Bath
Bathroom	Restroom	Basement	Great room
Drawing room	Gym	Garage	Library
Patio	Cellar	Hall	

- Use these Activity suffixes (these would be preceded by the normal prefixes, like Watch, Listen to, Play, and so on):

TV	Television	Roku	Dish
TiVo	Plex	Kodi	Sonos
Receiver	Music	Lights	Shades
Blu-ray	DirecTV	Fire TV	Fireplace TV

Kitchen TV	Apple TV	Mac	Camera
Power Off	System Off		

- In your Simple Control configuration, try to avoid using Room or Activity names that are similar. For example, "Watch TV 1" and "Watch TV 2" in the same room could confuse Amazon Echo.

  For the current generation of Alexa control, make sure to adhere to standard activity names as generated by Simple Control, such as "Watch TiVo" or "Listen to Sonos". Non-standard activity names have a high probability of not being correctly recognized.

- Simple Control supports a wide variety of command phrases, so if one phrasing of a command does not work, try something similar.

  For example, "Alexa, tell Simple Control to ***start*** Listen to Sonos in the Office" could also be "Alexa, tell Simple Control to ***turn on*** Listen to Sonos in the Office" or you could omit the verb entirely and just say "Alexa, tell Simple Control to Listen to Sonos in the Office."

  Command phrases do not have to be grammatically correct.

- When referring to Rooms and Activities, use Rooms and Activities that are currently configured in Simple Control. If you refer to a Room or Activity that is not configured, it may not work as you expect.

- Not all command phrases need to specify an Activity and a Room. Instead, if the context of the command phrase is clear, the additional information does not need to be included.

  For example, if you give the command phrase:

  Alexa, tell Simple Control to set the current room to Office

  Simple Control would set the current Room to the Office.

  Then if you wanted to mute the current Activity in the Office, the next command phrase would only need to be:

  Alexa, tell Simple Control to mute

  The room context is clear, so it does not need to be part of the command phrase.

- If you are not certain of the context, however, put it in the command phrase. It may not be necessary, but if the context is not what you thought it was and you do not put it in, you may see unexpected results.

Common Command Phrases

Following are some examples of command phrase structure, with examples. Some examples do not follow the structure exactly, because variations of these command phrases also work.

Words in braces are placeholders for parts of your Simple Control environment (a Room or Activity, for example) or a desired value (Volume, for example).

Setting the room: Alexa, tell Simple Control to set the current room to {Room}
Alexa, tell Simple Control to set the current room to Office

Starting an activity: Alexa, tell Simple Control to turn on {Activity}
Alexa, tell Simple Control to turn on Listen to Sonos
Alexa, tell Simple Control to Listen to Sonos

Powering off: Alexa, tell Simple Control to power off {Room}
Alexa, tell Simple Control to power off the Living Room

Muting: Alexa, tell Simple Control to mute {Room}
Alexa, tell Simple Control to mute Home
Alexa, tell Simple Control to mute

Unmuting: Alexa, tell Simple Control to unmute {Room}
Alexa, tell Simple Control to unmute Kitchen

Playing: Alexa, tell Simple Control to play in {Room}
Alexa, tell Simple Control to play in Living Room

Pausing: Alexa, tell Simple Control to pause {Activity}
Alexa, tell Simple Control to pause Watch TiVo
Alexa, tell Simple Control to pause the Kitchen

Next: Alexa, tell Simple Control to skip to the next chapter in {Room}
Alexa, tell Simple Control to skip to the next chapter in Office

Previous: Alexa, tell Simple Control to go back a scene on {Activity}
Alexa, tell Simple Control to go back a scene on Listen to Sonos

Turning up the volume: Alexa, tell Simple Control to increase volume
Alexa, tell Simple Control to increase the volume to 20

Turning down the volume: Alexa, tell Simple Control to decrease {Activity} volume in {Room}
Alexa, tell Simple Control to decrease Watch TV volume in Office

Setting the volume: Alexa, tell Simple Control to set volume to {Volume}
Alexa, tell Simple Control to set volume to 25

If your device supports volume in decibels, you can use two additional values:

- **{DBvolume}**, which is a numeric value in decibels
- **{sign}**, which can be “minus”, “negative”, “plus”, or “positive” (minus or negative is required for a negative value, plus and positive are optional)

For example, you could say:

- Alexa, tell Simple Control to set volume to 20 decibels
- Alexa, tell Simple Control to set volume to minus 40
- Alexa, tell Simple Control to set volume to minus 10 DB

D Additional Information

This appendix has additional information about devices and features.

This appendix includes:

Amazon Fire TV and Fire TV Stick

Both Amazon Fire TV and Amazon Fire TV Stick are auto-discovered by Simple Control clients and are controllable via direct IP, including keyboard support.

NOTE: The following procedure applies to both Amazon Fire TV and Amazon Fire TV stick.

To control an Amazon Fire TV:

1. Configure your Amazon Fire TV according to the manufacturer's instructions, including connecting it to your Wi-Fi network.

   Keep your Amazon Fire TV remote handy; you will need to use it again soon.

2. *Using your Simple Control client,* navigate to the appropriate room, make sure you are in Edit mode, and then tap **Add Device**.

   The **Add Device** screen appears.

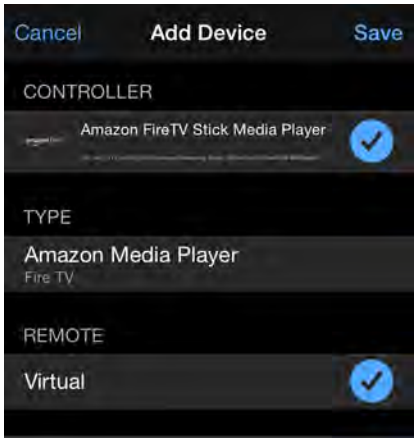
3. Tap **Amazon Fire TV** or **Amazon Fire TV Stick Media Player** in the list of local network devices.

The **Fire TV Help** screen appears.

IMPORTANT: This screen and the next three show you the process of enabling an Amazon Fire TV feature called the ADB option, which must be enabled. These screens are for reference purposes; ***you enable the ADB option in your Amazon Fire TV Settings.***

4. ***Using your Amazon Fire TV remote***, go to the main menu, then navigate to **Settings** > **System** > **Developer Options**.
5. Set **ADB debugging** to **ON**.
6. Press the Home button on your Fire TV remote.
7. ***Returning to your Simple Control client***, tap **Nex**t to view all of the screens that show the process of enabling the ADB option if you haven't already done so, then tap **Done** on the final screen.

   The **Add Device** screen appears, showing the settings for your **Amazon Fire TV Media Player**.



8. Make any other desired settings changes, then tap **Save**.

   The **Create Activity** popup appears.

9. As your Amazon Fire TV is a source of content, tap **Create Activity**.

   The room screen appears in Edit mode.

NOTE: If you are using a television to display Amazon Fire TV content and content from another source (Apple TV or a set top box, for example), be sure to set up **Input Switching** appropriately for the shared television.

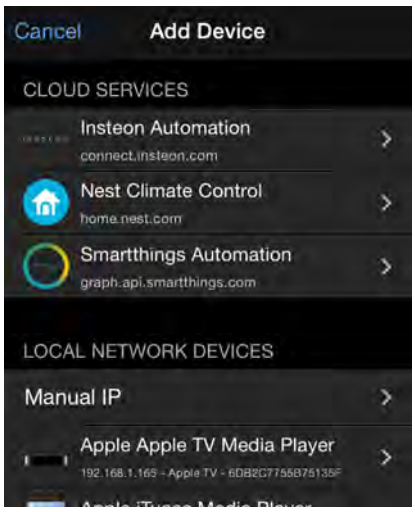
APPLE TV

To use your Simple Control client to control supported versions of Apple TV, pair the client with your Apple TV during the process of setting it up as a device.

To add Apple TV as a device:

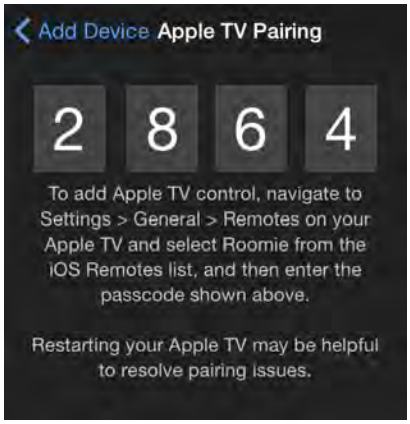
1. Open the client, go to the appropriate room, enter Edit mode (if necessary), then tap **Add Device**.

   The **Add Device** screen appears.



2. Tap **Apple TV Media Player**.

The **Apple TV Pairing** screen appears.



NOTE: Your passcode will be different from what is shown here.

3. Using your Apple TV remote, access Apple TV, then go to **Settings > General > Remotes** (for Generation 3 of the Apple TV). For Apple TV Generation 4, go to **Settings** > **Remotes and Devices** > **Remote App**.

   The **Remotes** screen appears.

4. Scroll down to the iOS Remotes section and find the iOS device you are using to run Simple Control.

   The text may look something like:

   Simple – Jon's iPod Touch

5. Select the Simple Control client.

   The **Add Simple – Jon's iPod Touch** screen appears.

6. Enter the passcode from the Simple Control Apple TV Pairing screen, then select **Done**.

   The **Remotes** screen appears, showing that the client has been paired.

7. On your Apple TV, exit from **Settings**.

   On the iOS device hosting the Simple Control client, the **Choose Model** screen appears, showing Apple devices on your home network.

8. Tap **Apple TV**.

   The **Add Device** screen appears.

9. Tap **Save**.

   Apple TV is added as a device and the Simple Control client is paired with the Apple TV.

APPLE TV ITUNES GUIDE

Simple Control supports the Apple TV iTunes Guide, which allows you to play content from a local iTunes via supported versions of Apple TV.

The Apple TV iTunes Guide requires a Simple Service subscription.

NOTE: The content shown in the Apple TV iTunes Guide is local iTunes content.

To configure the Apple TV iTunes Guide:

1. Open Simple Control.
2. If you have not done so already, add Apple TV as a device and create an activity for it.
3. If you have not done so already, add iTunes as a device and create an activity for it.
4. In Edit mode, tap the **Add Activity** button.

   The **Add Activity** screen appears.
5. Enter a descriptive title in the **Title** field and select an image, if desired.

We will call the new activity **iTunes on Apple TV**

6. Tap **None** in the **Opens Remote for Device** field.

   The **Activity Remote** screen appears.
7. Tap **Apple TV Media Player**.

The **Add Activity** screen appears.

The **Add Activity** screen now shows the **Apple TV Media Player** in the **Opens Remote for Device** field.

8. Tap **iTunes Device**.

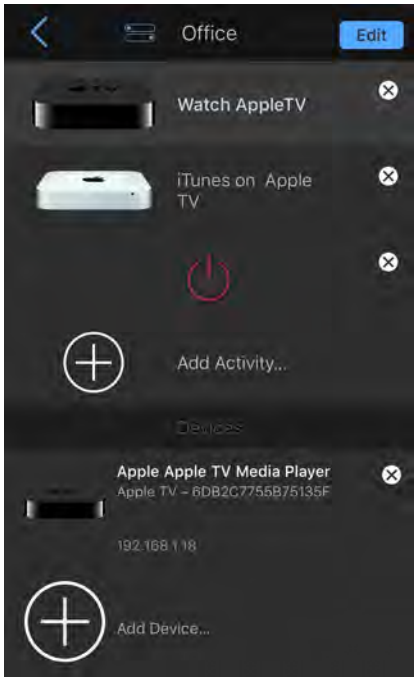
   The **iTunes Guide** screen appears.

9. Tap **Apple iTunes Media Player** in the **Home** field.

   The **Add Activity** screen appears, now showing **Apple Media Player iTunes** in the **iTunes Device** field.

10. Tap **Save**.

The **Activities List** screen appears



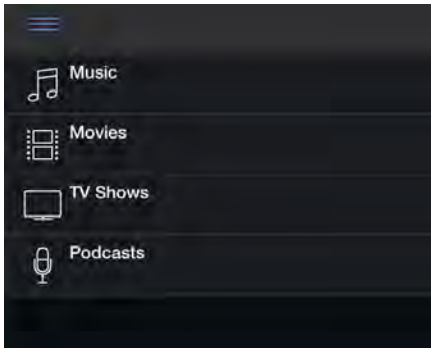
The screen now shows the new **iTunes on Apple TV activity.**

11. Tap the Edit mode icon to switch to User mode, then tap the button for the **iTunes on Apple TV** activity.

    The virtual remote appears.

12. Tap the three horizontal bars in the upper right corner to access the **Apple TV iTunes Guide**.

    The **Apple TV iTunes Guide** appears.



13. Tap the appropriate category to locate the content you want to play.

    Once the content is playing, you can return to the virtual remote to control it.

APPLE ITUNES

To control Apple iTunes, you need to add Simple Control as a remote in iTunes during the process of setting up iTunes as a device.

To add Apple iTunes as a device:

1. Open the Simple Control client, go to the appropriate room, enter Edit mode (if necessary), and then tap **Add Device**.

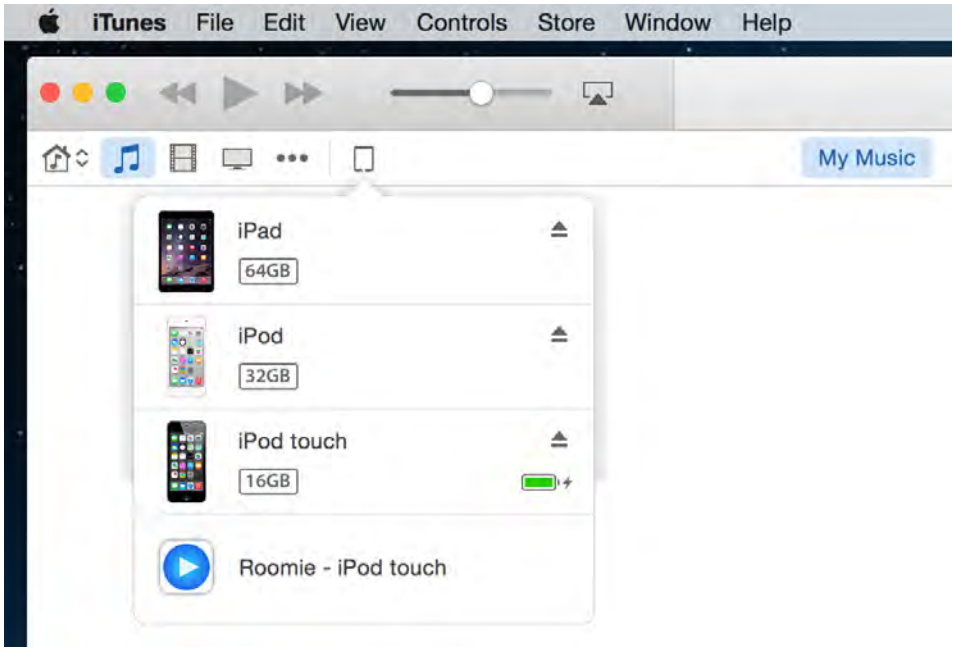
   The **Add Device** screen appears.

2. Tap **Apple iTunes Media Player**.

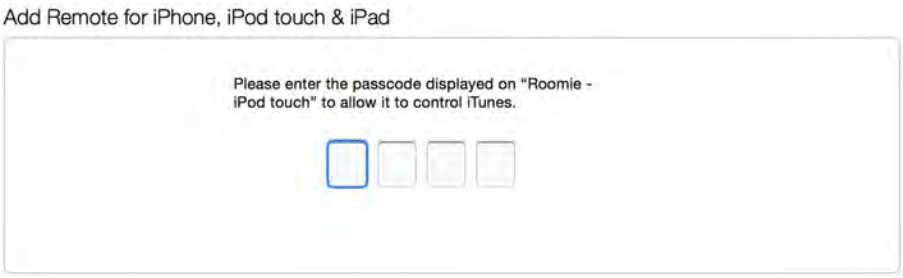
   The **iTunes Pairing** screen appears.

IMPORTANT: Your passcode will be different from what is shown above.

3. Open iTunes, click the **Devices** icon, then select **Simple Control** from the list that appears.



The **Add Remote for iPhone, iPod Touch & iPad** screen appears.



4. Enter the passcode from the Simple Control iTunes Pairing screen.

   A message appears, telling you the remote is now able to control iTunes.

5. Click **OK**.

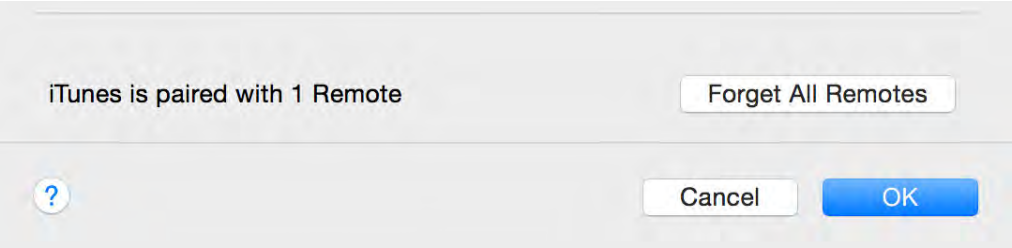
   On the device hosting the Simple Control client, the **Add Device** screen appears.

6. Tap **Save**.

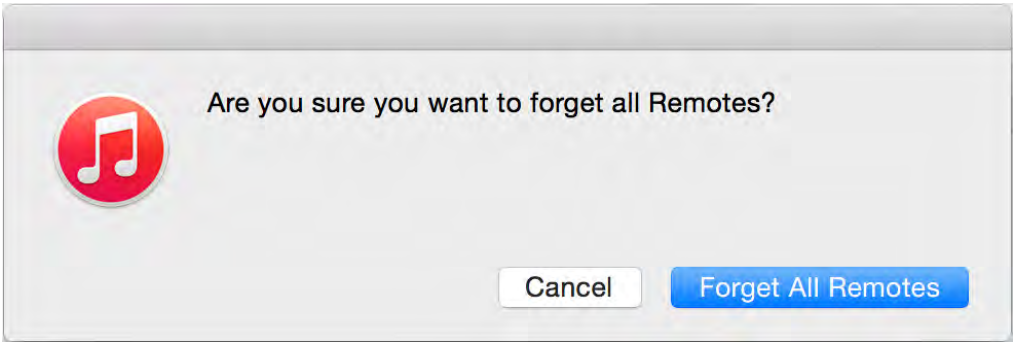
NOTE: If you are having issues pairing with iTunes, you should remove any prior associations iTunes has with remotes.

To have iTunes forget all remotes:

1. Open iTunes, navigate to **iTunes > Preferences > Devices**, click **Forget All Remotes**, then click **OK**.



2. Click **Forget All Remotes** when asked if you are sure you want to forget all remotes.



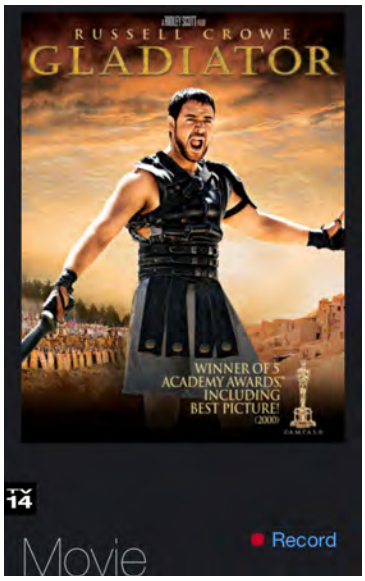
3. Restart iTunes.

Dish DVR Recording and Timers

The Simple Control client supports recording Dish DVR programs from the TV guide and creating/editing timer recordings of programs.

To record a Dish DVR program from the TV guide:

1. On the Dish DVR TV guide, select the program you want to record.



This screen shot shows the movie Gladiator selected.

2. Tap the word **Record** or the red circle next to it.

   The program is now set to record.

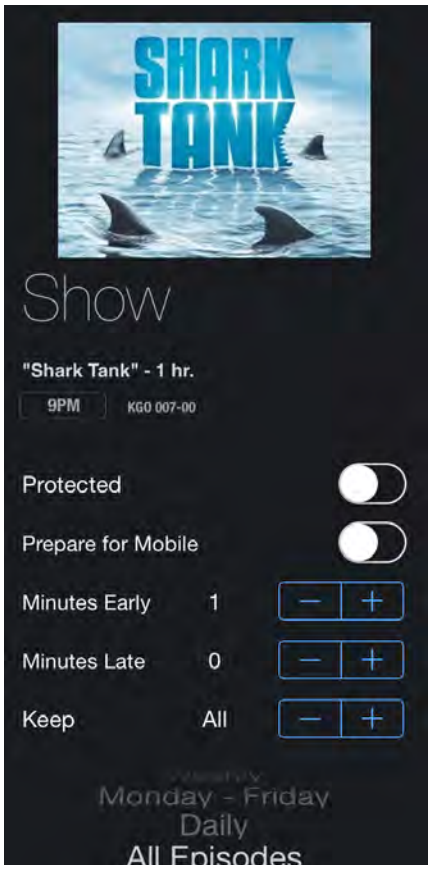
To schedule a Dish DVR program for recording from the TV guide:

1. On the Dish DVR TV guide, specify the show you wish to schedule.

This screen shot above shows the program District 9 specified.

2. Tap the alarm clock icon; it's next to the moon icon.

   The scheduling controls appear.



This screen shot shows the scheduling controls for an episode of Shark Tank.

3. Configure the scheduled recording appropriately.

Dune HD and Mede8er Plus Kodi Media Guide

Simple Control supports Dune HD and Mede8er media players in conjunction with a Kodi (formerly XBMC) player. Once configured, Simple Control can direct the content from the network attached storage (NAS) the Kodi system is using to either Dune or Mede8er.

The Dune HD and Mede8er Media Guides require a Simple Service subscription.

Simple Control gets the appropriate filenames from the Kodi system and relays it to the Dune or Mede8er device. Because the pathnames are slightly different, the configuration process includes setting the appropriate mount point.

Note: Both Dune HD and Mede8er media players must be added as devices in Simple Control using Manual IP, which means you must reserve their IP addresses once they are configured. This can be done using a feature of your router generally called "static IP" or "DHCP reservation". Refer to your router documentation for more information.

Because different NAS store their files at different locations in the file system, you must specify a mount point so that Kodi can find and deliver the appropriate files.

As an example, let's say that a NAS uses this pathname to get to a particular movie:

/Volumes/video/movies/movietitle.mkv

Simple Control is going to remove the "/Volumes" portion of that path and replace it with the mount point you specify, thus giving the correct full path to the desired files.

An example mount point for Dune HD: **nfs-tcp://192.168.1.10:/volume1**

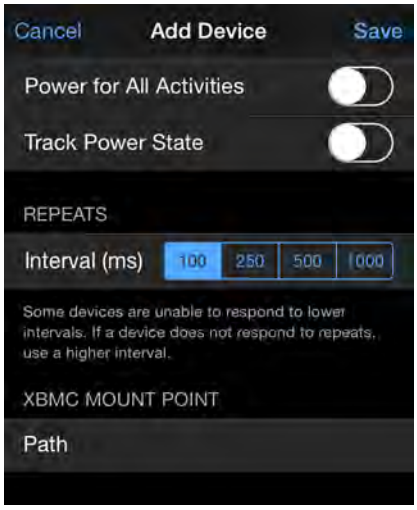
An example mount point for Mede8er X3D: **smb://192.168.1.10**

Note: If you need more information, refer to the documentation for your media player.

To set a mount point for a Dune HD or a Mede8er X3D media player:

1. Open the Simple Control client.
2. Add the Dune HD or Mede8er X3D media player as a device.

3. When you get to the **Add Device** screen, navigate to the **Path** field in the **XBMC Mount Point** section.



4. Tap **Path**.
5. Use the keyboard to enter the appropriate mount point. See above for examples.
6. Tap **Done**.
7. Finish configuring the device.

SONOS SPEAKERS

When adding Sonos speakers, Simple Control recognizes that you may have more than one Sonos speaker on your network and that you may want to stream Pandora content on them.

If Simple Control sees more than one Sonos speaker on your network, it will ask if you want to add them all, which will save you some time.

Simple Control will also automatically create a second device (called Sonos Auxiliary) that you can configure with your Pandora username and password.

NOTE: For this procedure, a Sonos PLAY:1 device is being added.

To configure Sonos speakers:

1. Open the Simple Control client, go to the appropriate room, enter Edit mode (if necessary), and then tap **Add Device**.

The **Add Device** screen appears.

2. Tap **Sonos PLAY:1 Media Player**.

   The **Add Device** screen appears.

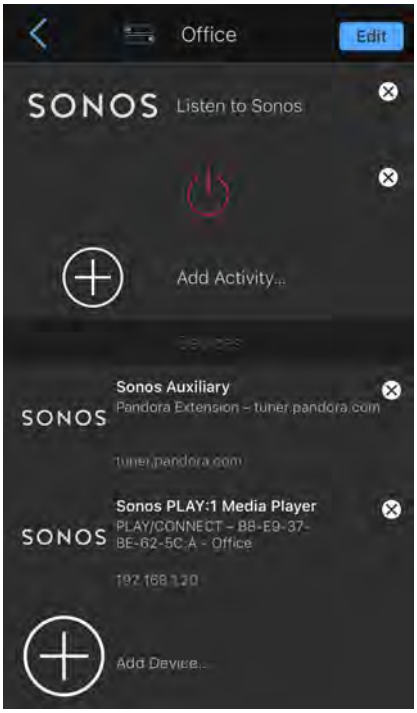
3. Tap **Save**.

   The **Create Activity** popup appears.

4. Tap **Create Activity**.

   If you have other Sonos speakers on your network, Simple Control displays a popup asking if you want it to add them. Tap **Add All** to add all Sonos speakers on your network.

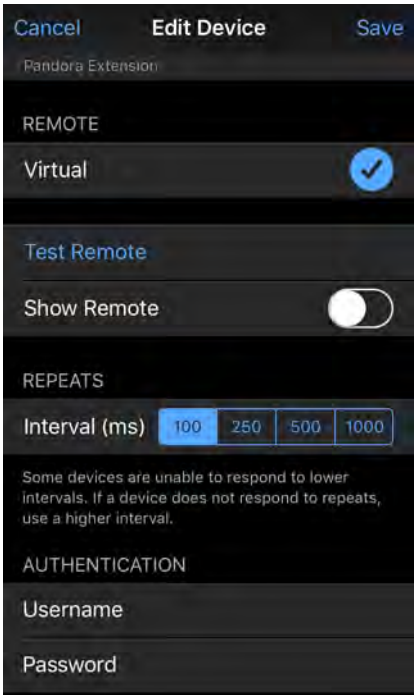
The **Activities List** screen appears, in Edit mode.



5. Tap **Sonos Auxiliary** to enter your Pandora username and password.

   If you do not intend to stream Pandora content, you can delete the Sonos Auxiliary device by tapping the white circle with the **x** and then tapping **Delete** when it appears.

The **Edit Device** screen appears.



6. Tap the **Username** field (you may have to scroll down to see it) and enter your Pandora username, tap the **Password** field and enter your password, then tap **Save**.

SLIDE OVER

Slide Over lets you quickly open a second app adjacent to the one you were using. You can do what you need to do with the second app and then quickly return. You can see the first app while you use the second app, but you cannot use it.

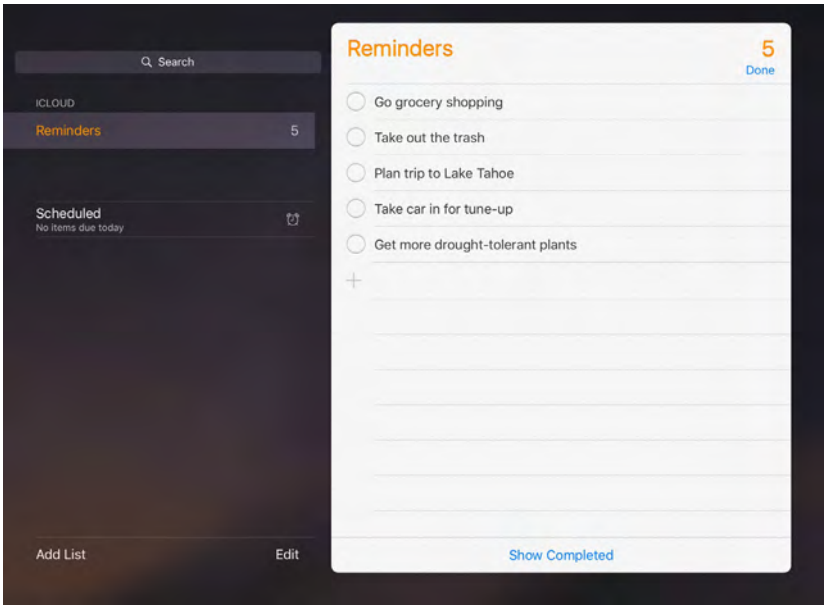
NOTE: Slide Over requires an iPad and iOS 9 or above.

For demonstration purposes, let's assume you are using the Reminders app and you want to quickly change the volume of the television show you are watching.

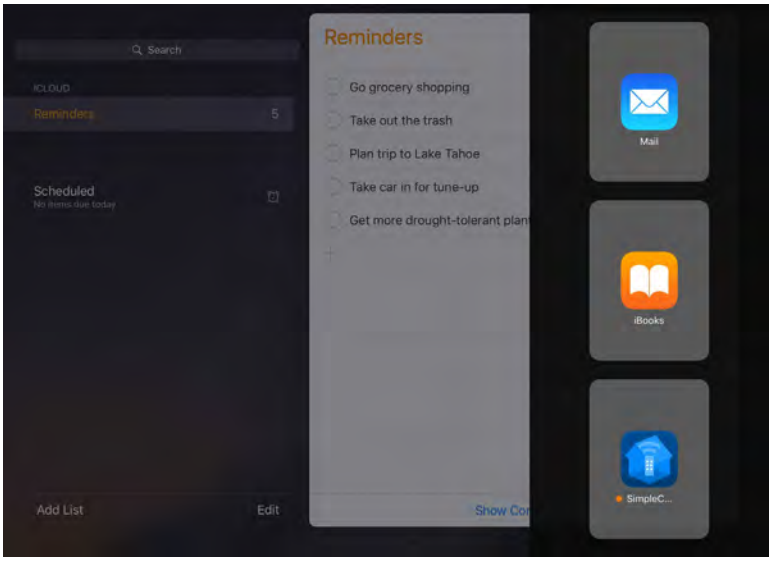
NOTE: You could just as easily be using Simple Control and decide to quickly add a reminder; in such a scenario, you would open the Simple Control client first, then use the Slide Over feature to open the Reminders app.

To use the Slide Over feature of iOS 9:

1. On your iPad, open the Reminders app.



2. When you want to change the volume using Simple Control, swipe in from the right edge of the screen:
   - If you have ***not*** used Slide Over before on this iPad, when you first slide in from the right edge, icons representing the apps that support the Slide Over feature appear along the right side of the screen. Swipe up or down to locate the Simple Control icon, then tap it.

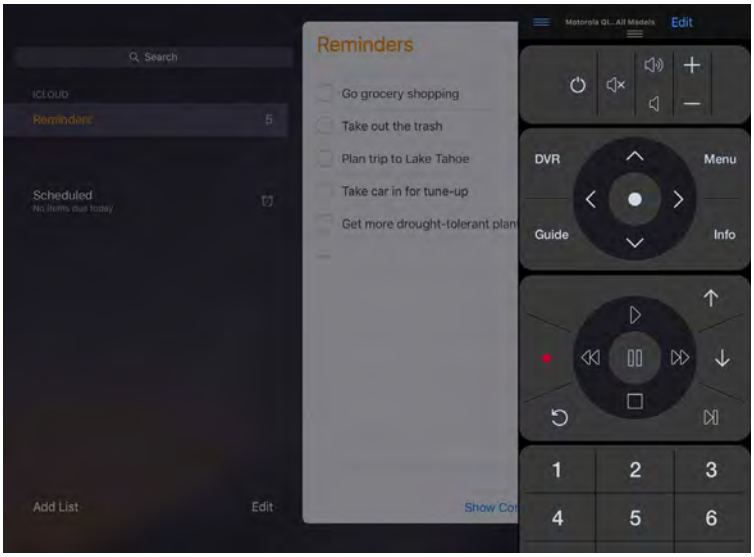


   - If you *have* used Slide Over before on this iPad, the last app you had open appears when you slide in from the right edge.

     If this is Simple Control, use it normally.

If it is ***not*** Simple Control, swipe down from the top of the Slide Over section of the screen; the icons representing the apps you can use with the Slide Over feature appears. Swipe up or down to locate the Simple Control icon, then tap it.

Simple Control opens on the right and displays the virtual remote.



3. To change the volume, use the Simple Control virtual remote as usual.

NOTE: ***All*** Simple Control features work normally when using Simple Control with the Slide Over feature.

4. When you are done, tap anywhere on the part of the screen showing the Reminders app. Simple Control disappears.

SPLIT VIEW

Split View lets you have two apps open and active at the same time.

Note: Split View only works on a few iOS devices. Also, it is not available with all apps. It requires iOS 9 or above. Contact Apple for additional information.

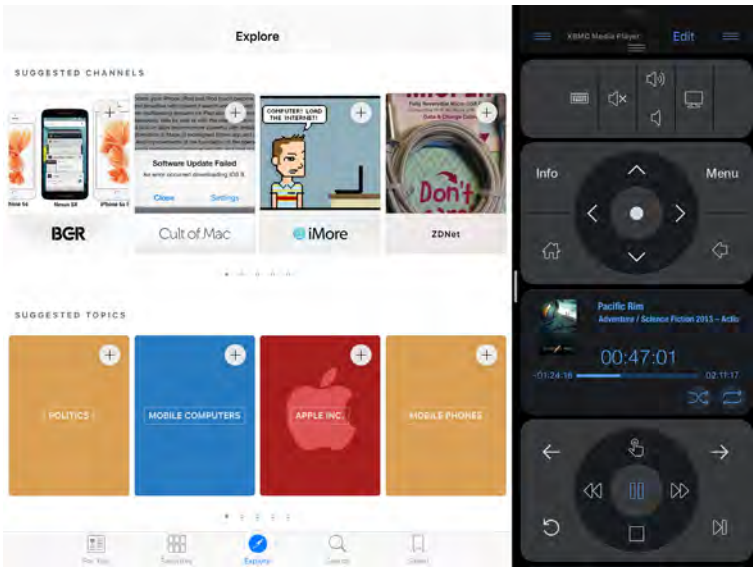
For demonstration purposes, let's assume you want to use the Simple Control client to watch television while reading news at the same time.

To use Split View:

1. Open the News app on your iPad.
2. Swipe in from the right edge of the screen:
   - If you have ***not*** used the Split View feature before on this iPad, when you first slide in from the right edge, icons representing the apps that support Split View appear along the right side of the screen. Swipe up or down to locate the Simple Control icon, then tap it.
   - If you *have* used the Split View feature before on this iPad, the last app you had open appears when you slide in from the right edge. If this is Simple Control, use it normally.

     If it is ***not*** the Simple Control client, swipe down from the top of the Split View section of the screen; icons representing the apps you can use with Split View appear. Swipe up or down to locate the Simple Control icon, then tap it.

   Simple Control appears next to the News app.



NOTE: All features work normally in Split View.

3. Drag the vertical white handle that sits between the two apps to adjust how much screen space each app uses.
4. When you are done using one of the apps, drag the small white handle all the way to the left (to close the app on the left) or the right (to close the app on the right).

NOTIFICATION CENTER

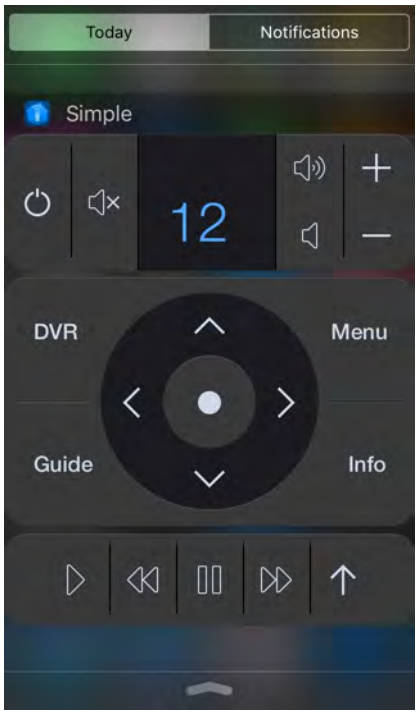
A core set of the functionality — called a widget — of Simple Control can be displayed on the iOS Notification Center, including the Top Bar, Directional Pad, and a subset of the Play Pad.

This feature requires a Simple Service subscription.

To display the Simple widget in the Notification Center:

1. In Simple Control, make sure a virtual remote is either active or its activity is highlighted on the **Room Name** screen.
2. On the iOS device, swipe down from the top of the device.

   The **Notifications Center** screen appears.



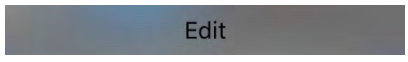
This image shows the **Today** pane of the **Notifications Center** screen, which is where the virtual remote will appear.

NOTE: If the **Notifications** pane is selected, tap **Today** to switch to the **Today** pane.

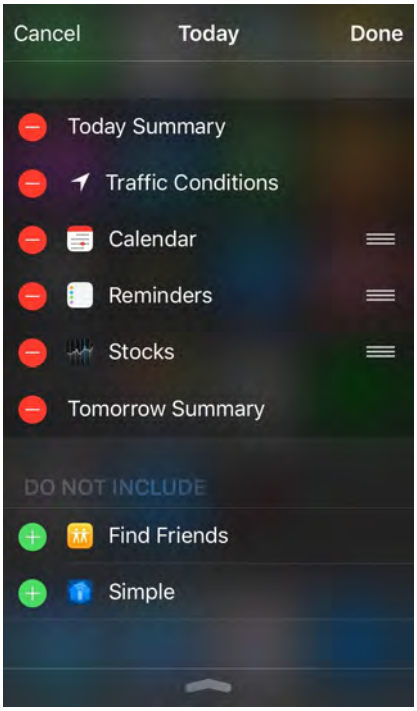
In portrait mode, as shown here, the Simple widget appears in the **Today** pane.

If you are using an iPad in landscape mode, the Simple widget appears in the **Widgets** pane.

3. If the virtual remote does ***not*** appear on the **Today** pane (or on the **Widgets** pane of an iPad in landscape mode), find the **Edit** button at the bottom of the **Notification Center** screen (you may have to swipe up to get to the bottom of the screen).
4. Tap the **Edit** button.



5. Check the **Do Not Include** section at the bottom of the screen.



If **Simple** appears in the **Do Not Include** section, as shown here, the virtual remote will ***not*** appear on the **Notification Center** screen.

6. If **Simple** appears in the **Do Not Include** section, tap the green circle with the white plus sign to the left of the **Simple** icon.

   Simple moves out of the **Do Not Include** section.

7. To move **Simple** to the top of the **Today** pane, drag the gray parallel lines up.
8. Tap **Done**.

   The **Notifications Center** screen appears.

9. Swipe down to move to the top of the **Notifications Center** screen.

   The virtual remote is now visible.

SPOTLIGHT

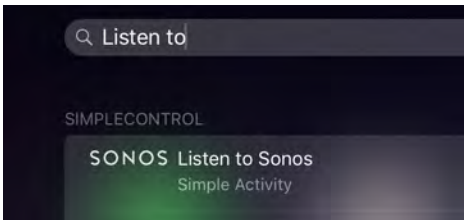
Simple Control activities are now indexed on your iOS device, allowing you to search for a specific activity from the Spotlight search page.

The Spotlight feature requires iOS 9.

To search for an activity using Spotlight:

1. Open Spotlight on your iOS device.
2. In the **Search** field, start typing the name of the activity.

   You may only need to type the first few letters.



3. When the activity you are looking for appears in the **Simple Control** section, tap it.

   The Simple Control client opens.

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