simple control.

SIMPLE HUB

User Guide

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One Year Limited Warranty for Simple Hub Appliance

For a period of **One** (1) year after receiving your Simple Hub appliance, we will repair it or replace it with a new one if there are inherent major defects related to the hardware. *Inherent major defects* are defined as problems that do not allow the device to function normally. For instance, if your Simple Hub appliance cannot boot or does not power on at all, these would be considered inherent major defects. Hardware defects that result from clear negligence, misuse, or abuse of the hardware by the user are *not* covered by this replacement policy. Please be in possession of the hardware in question and be prepared to supply us with photos and a detailed description to show the inherent major defects you are experiencing. Note that the Simple Hub appliance is not a user-serviceable device; do not open the unit. If you open the Simple Hub appliance, you void the warranty.

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Please Note: Simple System + Simple Hub Model SCRB130 includes a hub license and Hub for Mac License
Simple System Model SCRB110 Includes a hub license and Hub for Mac License
Simple System: Simple Service subscription is included

Introduction

This User Guide describes Simple Hub, which adds functionality to your Simple Control Home or Simple Control System environment.

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

This Introduction includes:

ABOUT SIMPLE HUB

All Simple Hub platforms support the following core Simple Hub functionality:

- encrypted, real-time configuration synchronization
- remote access
- SmartThings and Amazon Echo integration
- events based on timers and triggers
- configuration lockdown

Two Simple Hub platforms, mentioned below, support additional features.

NOTE: All Simple Hub platforms require a Simple Hub License. Some features also require a Simple Service subscription.

Simple Hub is available on multiple platforms:

- **Simple Hub for iOS.** Supports all of the core Simple Hub functionality mentioned above in a Simple Control client.
- **Simple Hub appliance.** Supports all of the core Simple Hub functionality mentioned above via an appliance that is added to your local network.
- **Simple Hub for Mac.** Supports all of the core Simple Hub functionality mentioned above, plus commands and screen, keyboard, and mouse control of the host macOS system.
- **Simple Hub for Apple TV.** Supports all of the core Simple Hub functionality mentioned above, plus viewing of the cameras on your local network.
  Please Note:
  Simple System + Simple Hub Model SCRB130: includes a hub license and Hub for Mac License
  Simple System Model SCRB110: Includes a hub license and Hub for Mac License
  Simple System: Simple Service subscription is included

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.** So that you can use commands and have screen, keyboard, and mouse control of the host macOS system.

- **Camera viewing.** So that you can view cameras on your 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.

FEATURES

Simple Hub features include:

- **Secure Synchronization**: 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.

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

- **Remote Access**: Commands, activities, and feedback to and from your clients work remotely from outside your local network when the Simple Control client is securely paired with Simple Hub and Remote Access enabled. You can raise or lower blinds from the office, for example, or lower the thermostat while away.

  Remote Access requires Simple Hub and a Simple Service subscription.

- **SmartThings Integration**: Integrates Simple Hub and SmartThings, allowing you to trigger Simple Control activities based on SmartThings events. Download the Simple Control/SmartThings Integration Pack from the Simple Control website and refer to the included PDF file for more information.

- **Amazon Echo Integration:** Integrates Simple Hub and Amazon Echo, allowing you to control your Simple Control environment by speaking commands. Refer to the *Simple Control/Amazon Echo Integration Guide* for more information.

- **Triggers**: Lets you run a Simple Control activity based on specified criteria (for example, my Lutron keypad button was pressed, it's 10 p.m., 30 minutes have passed, and so on). Simple Hub automatically monitors all configured triggers and initiates them when it is specified as the trigger agent.

- **Configuration Lockdown**: Lets you lock the configuration of a Simple Control client; while locked, you cannot change the client's configuration. You can set a PIN so that you can unlock the configuration when desired.

  Configuration lockdown requires a Simple Service subscription.

PURCHASING A SIMPLE HUB LICENSE

You can purchase a Simple Hub License from the Simple Store or in-app on a Simple Control client. When purchased, your Simple Hub License is associated with your Simple Control account, not to a particular device.

NOTE: Make sure to sign in to your Simple Control account *before* you purchase your Simple Hub License.

Purchasing a Simple Hub License from the Simple Store

To purchase a Simple Hub License from the Simple Store:

1.   Navigate to the Simple Store (https://store.simplecontrol.com/index.php/customer/account/login/).

2.   Sign in to your Simple Control account.

3.   Click **Store** in the **My Account** section, click **Simple Hub License**, then click **Add to Cart**.

4.   Follow the on-screen instructions to make your purchase.

Purchasing a Simple Hub License In-App

To purchase a Simple Hub License in-app in Simple Control Home:

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

2.   Make sure you are signed in to your Simple Control account.

3.   Tap Simple Store, then scroll down to the **Simple Hub License** section.

4.   Follow the on-screen instructions to make your purchase.

AUDIENCE

This User Guide is for users of Simple Hub.

We expect you are familiar with:

• your local network and basic networking concepts

• your Simple Control environment

ADDITIONAL RESOURCES

Additional resources for Simple Hub include:

• ***Simple Control User Guide:*** Describes the features of Simple Control clients. Available on the Simple Control website.

• **Knowledge Base:** Answers many questions; on the Simple Control website.

• **Support:** Lets you submit a support request via the Simple Control website.

1   Simple Hub for iOS

This chapter describes Simple Hub for iOS.

This chapter includes:

ABOUT SIMPLE HUB FOR iOS

Simple Hub for iOS supports all of the core Simple Hub functionality described in "About Simple Hub" on page 5.

Simple Hub for iOS is different from Simple Hubs that run on other platforms in that you can enable and control it from within your Simple Control client.

NOTE: Simple Control recommends dedicating your iOS device to Simple Control using Guided Access Mode. Refer to "Dedicating an iOS Device using Guided Access Mode" on page 18 for more information.

SYSTEM REQUIREMENTS

Simple Hub for iOS requires:

• Simple Control Home or System 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 18 for additional information). Make sure the iOS device is connected to a charger and that **Auto-Lock** (**Simple Control > Settings > Auto-Lock**) is set to **Never**.

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.
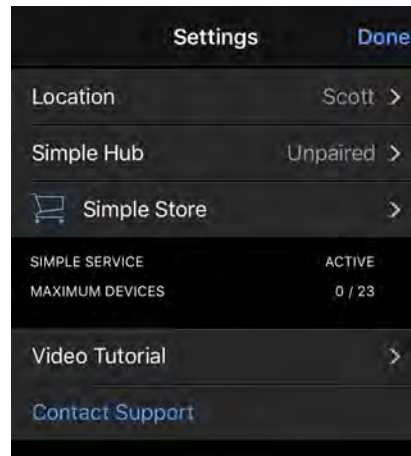
2. Tap **Simple Hub**.

   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

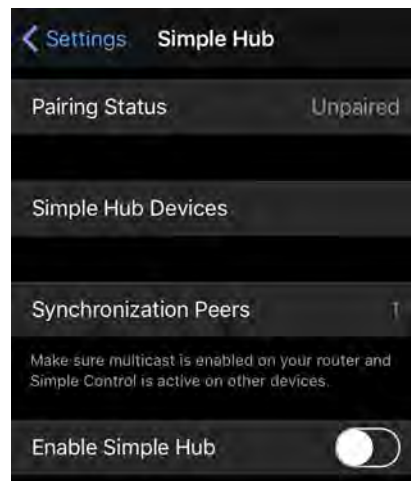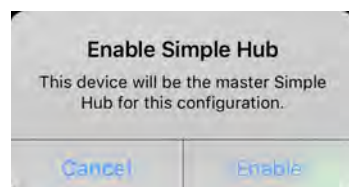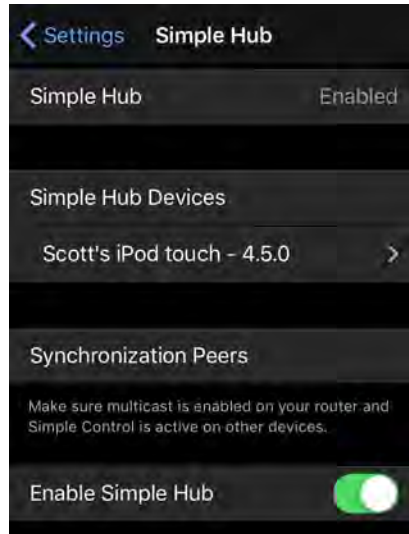**To disable Simple Hub for iOS:**

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.

Pairing

Simple Control client configurations are secured by pairing with Simple Hub for iOS. Pairing also associates your Simple Hub License with Simple Hub for iOS.

IMPORTANT: Pairing *requires* a Simple Hub License and a Simple Service subscription. A Simple Service subscription must be active on the Simple Control client to pair Simple Hub for iOS with that client.

Simple Hub for iOS offers to pair with the first Simple Control client it finds on the local network without asking for approval.

Additional clients must be approved: the second client must be approved by the first client, the third client can be approved by either the first or second client, and so on.
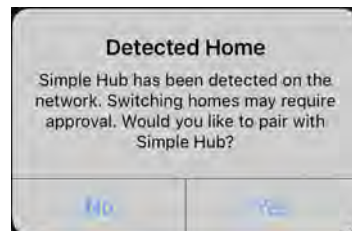
NOTE: If you want clients to be approved automatically, enable **Automatically Approve Pairing Requests** in the Simple Hub **Settings** on a paired client (**Settings > Simple Hub > Simple Hub Devices**).

Pairing the First Client with Simple Hub for iOS

The first Simple Control client you pair with Simple Hub for iOS does not require approval.

To pair the first client with Simple Hub for iOS:

1. After enabling Simple Hub for iOS, open a Simple Control client.

2. Simple Hub finds the client on the local network and offers to pair with it.

The **Detected Home** screen appears on the client.

It could take a moment after opening the client for the **Detected Home** screen to appear.

Because this is the first client to pair with Simple Hub, no approval is required to pair.

3. Tap **Yes**.

The client is paired with Simple Hub.

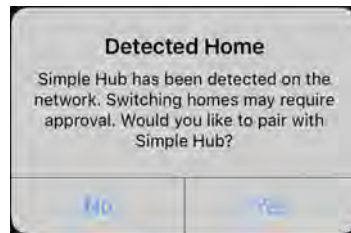## Pairing Additional Clients

All Simple Control clients *after the first client* that you want to pair with Simple Hub for iOS must be approved by an already-paired client.

NOTE: If you want clients to be approved automatically, enable **Automatically Approve Pairing Requests** in the Simple Hub **Settings** on a paired client (**Settings > Simple Hub > Simple Hub Devices**).
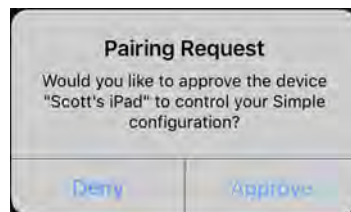
To pair additional clients with Simple Hub for iOS:

1. Open the Simple Control client you want to pair with Simple Hub.

   Simple Hub finds the client on the local network and offers to pair with it.

Because this is *not* the first Simple Control client to pair with Simple Hub on this network, approval by an already-approved client is required to pair.

2. Tap **Yes**.

3. On a Simple Control client that has already been paired with Simple Hub, the **Pairing Request** screen appears.

4. Tap **Approve**.

   The client is now paired with Simple Hub.

Troubleshooting Pairing

In some cases, an older or misconfigured router may prevent Simple Hub for iOS from offering to pair with Simple Control clients. In this situation, you can manually pair a client with Simple Hub for iOS.

To manually pair a Simple Control client with Simple Hub for iOS:

1. Open the Simple Control client you want to pair with Simple Hub, tap the **Settings** icon, then tap **Simple Hub**.

   The **Simple Hub** screen appears.

2. In the **Simple Hub Devices** section, tap the **Simple Hub** with which you want to pair.

3. In the **Pairing** section, tap **Pair with Simple Hub**, then tap **Pair** when prompted.

   If this is the first Simple Control client you are pairing with Simple Hub, no approval is required.

   If this is an additional client you are pairing, the pairing request must be approved on an already-approved client.

If you are still experiencing issues, try one of these methods:

- **Reset Simple Hub for iOS:** On a Simple Control client paired with Simple Hub for iOS, tap the **Settings** icon, tap **Simple Hub**, tap the name of the iOS device hosting Simple Hub for iOS in the **Simple Hub Devices** section, tap **Reset [device name]** (near the bottom of the **Simple Hub** screen), then try pairing again.

NOTE: Because Simple Hub for iOS is enabled on a Simple Control client, when you reset Simple Hub for iOS you reset the Simple Control client.

Resetting the Simple Hub can only be done from a client on the same network; you *cannot* reset a Simple Hub from a client that is accessing your network via the Remote Access feature.

When you reset Simple Hub for iOS, the configuration from the client will be pushed onto Simple Hub as the active configuration.

- **Reset the Simple Control client:** Open the client, tap the **Settings** icon, tap **Reset Simple Control** (near the bottom of the **Settings** screen), tap **Reset** when the confirmation dialog appears, then try pairing again.

When you reset a Simple Control client, its configuration will be lost and the client will be prompted to inherit the active configuration from Simple Hub.

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.

Synchronization Peers

Simple Hub keeps your Simple Control configurations securely synchronized on all of your Simple Control 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 also lock the configuration of a synchronization peer.

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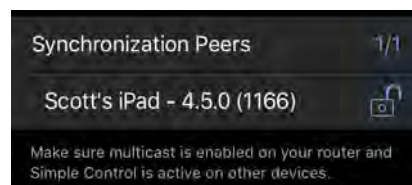
To view synchronization peers:

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.

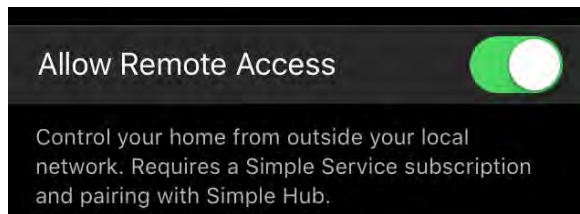 This screenshot shows one synchronization peer: **Scott's iPad**.

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

If Simple Hub for iOS is enabled on a device, it does not appear as synchronization peer.

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**.

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 viewable.

The Remote Access feature requires: a Simple Hub License, a Simple Service subscription, and that you be signed in to your Simple Control account.
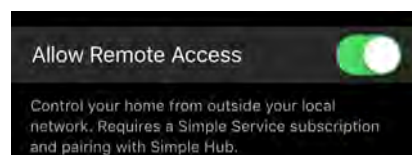
You must enable the Remote Access feature to integrate Simple Control with Amazon Echo. Refer to the *Simple Control/Amazon Echo Integration Guide* for more information.

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

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.

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 client.

6. Navigate to **Settings**, then set **Auto-Lock** (**Settings > Auto-Lock**) to **Never**.

7. With the Simple Control client open, triple click the Home button on the iOS device.

    The **Guided Access** screen appears.

8. Tap **Start**.

    The **Set Passcode** screen appears.

9. Enter a 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.

10. To exit from Guided Access mode, triple click the Home button, enter the passcode, then click **End**.

2   Simple Hub Appliance

This chapter describes the Simple Hub appliance.

This chapter includes:

ABOUT THE SIMPLE HUB APPLIANCE

The Simple Hub appliance supports all of the core Simple Hub functionality described in "About Simple Hub" on page 5.

The Simple Hub appliance is different from Simple Hubs on other platforms in that the software runs on a separate hardware appliance you add to your local network.

PACKAGE CONTENTS

The Simple Hub package includes:

- **Simple Hub appliance:** The physical device that connects to your local network.
- **Power Adapter:** One end connects to power, the other end has a USB port.
- **USB Power Cable:** The USB connector connects to the Power Adapter, the other end attaches to the Power connector on the back of the Simple Hub appliance.
- **Ethernet Cable:** Connects the Simple Hub appliance to your router.
- **Setup Guide:** Includes setup instructions and your Software Activation Key.

HARDWARE SPECIFICATIONS

CPU: Amlogic S812 Cortex A9 Quad Core 2.0 GHz

GPU: Octa Core Mali 450

Memory: 1 GB DDR

Storage: 8 GB eMMC internal

IMPORTANT: The Simple Hub appliance is not a user-serviceable device; do not open the unit. If you open the unit, you void the warranty.
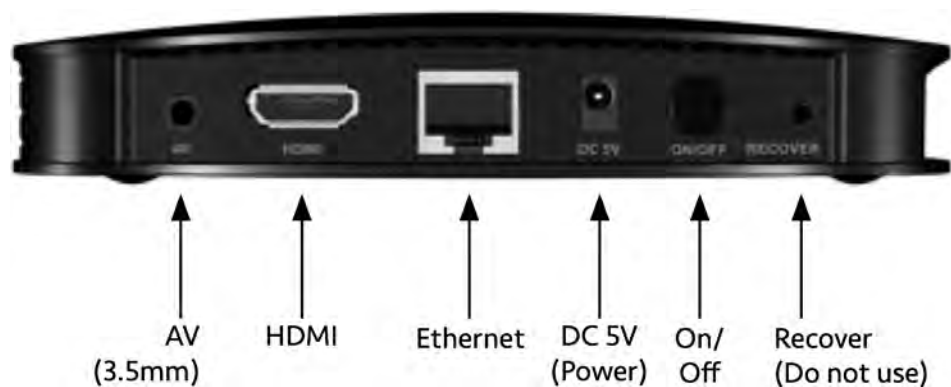
THE SIMPLE HUB APPLIANCE

The following figure shows the top, front, and left side of the Simple Hub appliance.

The ports on the front and left side of the Simple Hub appliance are:

- **Power Indicator:** On when the Simple Hub is receiving power.
- **USB1 and USB2:** Can connect to a keyboard or mouse for maintenance or updates.
- **TF (SD):** For service and maintenance use only.

The following figure shows the back of the Simple Hub appliance.

The ports on the back of the Simple Hub appliance are:

- **AV:** 3.5mm AV jack.
- **HDMI:** Connects the Simple Hub appliance to a television using an HDMI cable (not supplied). Can be used to view live status of the Simple Hub software running on the Simple Hub appliance, but this is not required.

- **Ethernet:** Connects to one end of the supplied Ethernet cable. Connect the other end to your local network; either directly to your router or to an Ethernet switch connected to your router.

NOTE: We strongly recommend a DHCP reservation on your router for the Simple Hub appliance. This feature of your router may also be called "static DHCP". Refer to your router documentation for more information.

- **DC 5V (Power):** Connect to the Power Adapter/USB Power Cable combination to power the Simple Hub appliance.
- **On/Off button:** Press to turn the Simple Hub appliance on, press again to turn it off. The default is on, so this button is generally not used.
- **Recover (Reset):** Do not use; for *factory use only*.

Maintenance and Updates

For maintenance and update purposes, the Simple Hub appliance can be connected to a television (via the HDMI port on the back) and to a keyboard and mouse (via the two USB ports on the side). This provides access to the pre-installed Simple Hub software.

At some point in the future, updates or maintenance may require access to the Simple Hub software; unless directed to do so by Simple Control Support, you can use the Simple Hub appliance without connecting the HDMI or USB ports.

INSTALLATION PROCEDURE

To set up the Simple Hub appliance:

1. Set up a DHCP reservation for the Simple Hub appliance on your router.

    The process differs for each router, so be sure to follow the instructions for your router. In general, you will need to enter an IP address and the MAC address of the Simple Hub appliance, found on the bottom of the unit. A DHCP reservation ensures the Simple Hub appliance will always receive the same IP address from the DHCP server.

2. Find a location for the Simple Hub appliance that is near a power source and your router.

3. Connect one end of the supplied Ethernet cable to the Ethernet connector on the back of the Simple Hub and the other end to your router.

4. Connect one end of the Power Adapter/USB Power Cable combination to a power source and the other end to the DC 5V (power) port on the Simple Hub.

5. Check the indicator on the front of the Simple Hub appliance; it should be green.

PAIRING

Simple Control client configurations are secured by pairing with the Simple Hub appliance. Pairing also associates your Simple Hub License with the Simple Hub appliance.

IMPORTANT: Pairing *requires* a Simple Hub License and a Simple Service subscription. A Simple Service subscription must be active on the Simple Control client to pair the Simple Hub appliance with that client.

The Simple Hub appliance offers to pair with the first Simple Control client it finds on the local network without asking for approval.

Additional clients must be approved: the second client must be approved by the first client, the third client can be approved by either the first or second client, and so on.
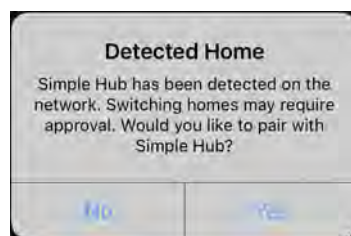
NOTE: If you want clients to be approved automatically, enable **Automatically Approve Pairing Requests** in the Simple Hub **Settings** on a paired client (**Settings > Simple Hub > Simple Hub Devices**).

Pairing the First Client with the Simple Hub Appliance

The first Simple Control client you pair with the Simple Hub appliance does not require approval.

To pair the first client with the Simple Hub appliance:

1. After installing the Simple Hub appliance, open the Simple Control client.

2. Simple Hub finds the client on the local network and offers to pair with it.

The **Detected Home** screen appears on the client.

It could take a moment after opening the client for the **Detected Home** screen to appear.

Because this is the first client to pair with Simple Hub, no approval is required to pair.

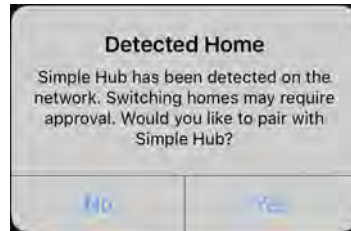3. Tap **Yes**.

The client is paired with Simple Hub.

Pairing Additional Clients

All Simple Control clients *after the first client* that you want to pair with Simple Hub must be approved by an already-paired client.

NOTE: If you want clients to be approved automatically, enable **Automatically Approve Pairing Requests** in the Simple Hub **Settings** on a paired client (**Settings > Simple Hub > Simple Hub Devices**).
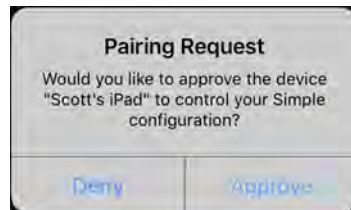
To pair additional clients with the Simple Hub appliance:

1. Open the Simple Control client you want to pair with Simple Hub.

   Simple Hub finds the client on the local network and offers to pair with it.

    Because this is *not* the first Simple Control client to pair with Simple Hub on this network, approval by an already-approved client is required to pair.

2. Tap **Yes**.

3. On a Simple Control client that has already been paired with Simple Hub, the **Pairing Request** screen appears.

4. Tap **Approve**.

   The client is now paired with Simple Hub.

Troubleshooting Pairing

In some cases, an older or misconfigured router may prevent the Simple Hub appliance from offering to pair with Simple Control clients. In this situation, you can manually pair a client with the Simple Hub appliance.

To manually pair a Simple Control client with the Simple Hub appliance:

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

   The **Simple Hub** screen appears.

2. In the **Simple Hub Devices** section, tap the **Simple Hub** with which you want to pair.

3. In the **Pairing** section, tap **Pair with Simple Hub**, then tap **Pair** when prompted.

   If this is the first Simple Control client you are pairing with Simple Hub, no approval is required.

   If this is an additional client you are pairing, the pairing request must be approved on an already-approved client.

If you are still experiencing issues, try one of these methods:

- **Reset Simple Hub:** On a Simple Control client, tap the **Settings** icon, tap **Simple Hub**, tap **Simple Hub** in the **Simple Hub Devices** section, tap **Reset Simple Hub** (near the bottom of the **Simple Hub** screen), then try pairing again.

  Resetting the Simple Hub can only be done from a client on the same network; you *cannot* reset a Simple Hub from a client that is accessing your network via the Remote Access feature.

  When you reset Simple Hub, the configuration from the client will be pushed onto Simple Hub as the active configuration.

  IMPORTANT: Do not use the **Recover** port on the back of the Simple Hub to reset the unit. *It is for factory use only.*

- **Reset the Simple Control client:** Open the client, tap the **Settings** icon, tap **Reset Simple Control** (near the bottom of the **Settings** screen), tap **Reset** when the confirmation dialog appears, then try pairing again.

  When you reset a Simple Control client, its configuration will be lost and the client will be prompted to inherit the active configuration from Simple Hub.

CONFIGURING THE SIMPLE HUB APPLIANCE

To access Simple Hub appliance settings: on your Simple Control client, open **Settings**, tap **Simple Hub**, then tap the name of the Simple Hub device whose settings you want to access; the **Simple Hub** screen appears showing the current settings.

Simple Hub settings are:

- **Pairing/Unpairing:** If the Simple Control client is paired with Simple Hub, tap **Unpair from Simple Hub** to unpair.

  If the Simple Control client is *not* paired with Simple Hub, tap **Pair with Simple Hub** to pair.

- **Licensed To:** Displays the email address of the Simple Hub License holder. Displays **Unlicensed** if the client is not paired.

- **OS Version:** Displays the software version currently running on the Simple Hub.

- **IP Address:** Shows the IP address of the Simple Hub 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://198.51.100.0:47148**), 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 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.

  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.
- **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.
- **Reset Simple Hub**: Tap to reset Simple Hub.

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.

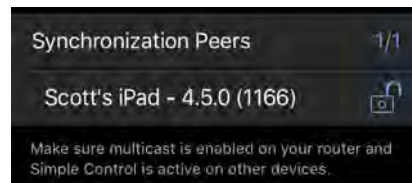You can also lock the configuration of a synchronization peer.

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**.

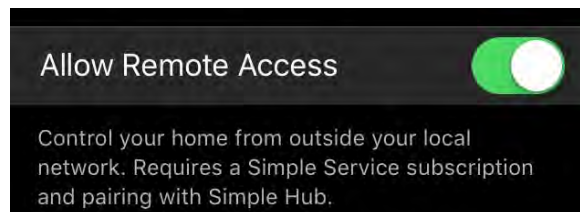The current synchronization peers display.

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.

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**.

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: a Simple Hub License, a Simple Service subscription, and that you be signed in to your Simple Control account.
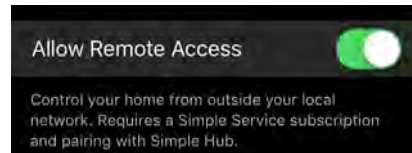
You must enable the Remote Access feature to integrate Simple Control with Amazon Echo. Refer to the *Simple Control/Amazon Echo Integration Guide* for more information.

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

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.

3

Simple Hub for Mac

This chapter describes Simple Hub for Mac.

This chapter includes:

ABOUT SIMPLE HUB FOR MAC

Simple Hub for Mac supports all of the core Simple Hub functionality described in "About Simple Hub" on page 5.

Simple Hub for Mac is different from Simple Hubs that run on other platforms in that you can control the screen, keyboard, and mouse of the host macOS system and execute commands on the host macOS system.

The following information is important to understand about Simple Hub for Mac:

- Simple Hub for Mac requires a Simple Hub License, which can be purchased in-app in the Simple Control client or from the Simple Store (store.simplecontrol.com).

- No physical license is needed. Your Simple Hub License gets associated with your Simple Control client automatically when you pair the client with Simple Hub.

- To associate your Simple Hub License with your Simple Control client, pair the client with Simple Hub. You must be signed in on your Simple Control client to the same Simple Control account you used to purchase the Simple Hub License.

- When you first open Simple Hub after installation, Simple Hub will prompt you to pair a Simple Control client. If you do not pair your client, Simple Hub stays in pairing mode, where most features are disabled.

  Simple Hub stays in pairing mode until you pair a Simple Control client that has a Simple Hub License associated with it.

SYSTEM REQUIREMENTS

Simple Hub for Mac requires:

- macOS system running macOS 10.9 (Mavericks) or greater
- TCP/IP network, with Wi-Fi enabled and Internet access. Simple Hub for Mac and the iOS devices hosting Simple Control **must all be on the same network**.
- Simple Control Version 4.5 environment set up and running

IMPORTANT: Simple Hub for Mac **requires** a Simple Control environment. Simple Hub for Mac provides no functionality without a Simple Control environment. Your Simple Control account is **not** related to your Apple App Store account.

INSTALLING SIMPLE HUB

To install Simple Hub for Mac:

1. On the macOS system on which you want to run Simple Hub, open the email you receive from Simple Control Sales.

2. Click the link for the appropriate product.

   The **My Downloadable Products** screen appears.

3. Click the download link for **Simple Hub for Mac**.

   The Simple Hub installer is downloaded to your macOS system.

4. On your macOS system, find the Simple Hub installer and double click it.

   The **Simple Hub** screen appears.

5. Drag **Simple Hub.app** into the **Applications** folder on your macOS system.

6. In your **Applications** folder, locate **Simple Hub.app** and double click it.

7. If you are prompted to open an application from the Internet, click **Open**.

   Simple Hub for Mac is installed.

PAIRING

Simple Control client configurations are secured by pairing with Simple Hub for Mac. Pairing also associates your Simple Hub License with Simple Hub for Mac.

IMPORTANT: Pairing *requires* a Simple Hub License and a Simple Service subscription. A Simple Service subscription must be active on the Simple Control client to pair Simple Hub for Mac with that client.

Simple Hub pairs with the first Simple Control client on the local network without requiring approval.

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.

The Simple Hub screen shows an icon for each client:

The world globe icon means the client is *not* paired with Simple Hub.

The connected home icon means the client is paired with Simple Hub.

Pairing the First Client with Simple Hub for Mac

The first Simple Control client you pair with Simple Hub does not require approval.

To pair the first client with Simple Hub:

1. Open Simple Hub on a macOS system on the local network.

   The Simple Hub icon appears on the taskbar.

2. Simple Hub finds a Simple Control client on the local network and offers to pair it to Simple Hub.
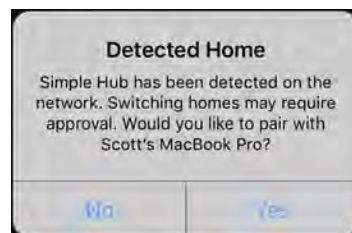
The **Detected Home** screen appears on the Simple Control client.

It could take a moment or two for the **Detected Home** screen to appear.

Because this is the first client to pair with Simple Hub on this network, no approval is required to pair.
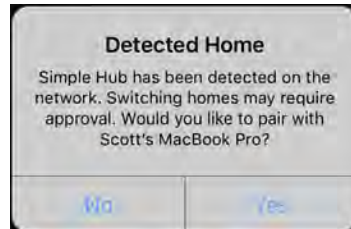
3. Tap **Yes**.

   The client is paired with Simple Hub.

Pairing Additional Clients

All additional Simple Control clients that you want to pair to Simple Hub, after the first client, must be approved by an already-paired client.

To pair additional clients with Simple Hub:

1. Simple Hub finds the Simple Control client on the local network and offers to pair it to Simple Hub.

Because this is **not** the first client to pair with Simple Hub on this network, approval by an already-approved client will be required to pair.

2. Tap **Yes**.

3. On a Simple Control client that has already been paired with Simple Hub, the **Pairing Request** screen appears.
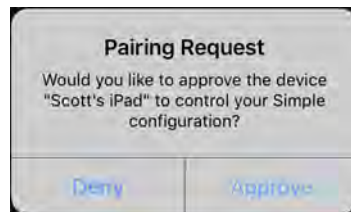
This example shows a client named **Scott's iPad** requesting to pair with Simple Hub.

4. Tap **Approve**.

The Simple Control client is now paired with Simple Hub.

Troubleshooting Pairing

In some cases, an older or misconfigured router may prevent Simple Hub from offering to pair with a Simple Control client. In this situation, you can manually pair a client with Simple Hub.

To manually pair a client with Simple Hub:

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

    The **Settings** screen appears.

2. Tap **Simple Hub**.

    The **Simple Hub** screen appears.

3. In the **Simple Hub Devices** section, tap the name of the device to pair with.

4. On the screen that appears, tap **Pair with [device name]**.

    A confirmation dialog appears.

5. Tap **Pair**.

    If this is the first client you are pairing with Simple Hub, no approval is required.

    If this is an additional client you are pairing, the pairing request must be approved by an already-approved client.

If you are still experiencing pairing issues, try one of these methods:

*   **Reset Simple Hub:** On the macOS device hosting Simple Hub for Mac, pull down the **Simple Hub** menu, select **Preferences**, tap **Reset Simple Hub** on the bottom of the **Preferences** screen, then try pairing again.

    When you reset Simple Hub for Mac, the configuration from the client will be pushed onto Simple Hub as the active configuration.

*   **Reset the client:** Open the Simple Control client, tap **Settings**, tap **Reset Simple Control** (near the bottom of the **Settings** screen), tap **Reset** when the confirmation dialog appears, then try pairing again.

    When you reset a Simple Control client, its configuration will be lost and the client will be prompted to inherit the active configuration from Simple Hub.
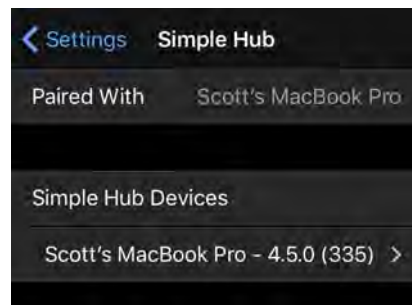
CONFIGURING SIMPLE HUB FOR MAC

There are Simple Hub for Mac settings you can control on Simple Control client. These settings apply to the Simple Hub device to which the client is paired.

Accessing Client Settings

The following procedure assumes your client is paired with Simple Hub.

To access Simple Hub related settings on a 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.
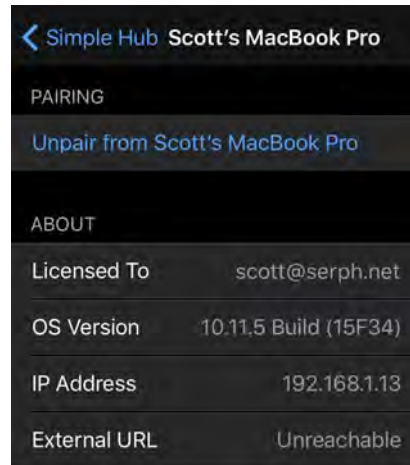

In this example, **Scott's MacBook Pro** is the name of the device hosting Simple Hub, so you would tap **Scott's MacBook Pro**.

The screen that appears is named for the device hosting Simple Hub.

NOTE: Some settings are not configurable unless you are paired with Simple Hub.

Configuring Client Settings
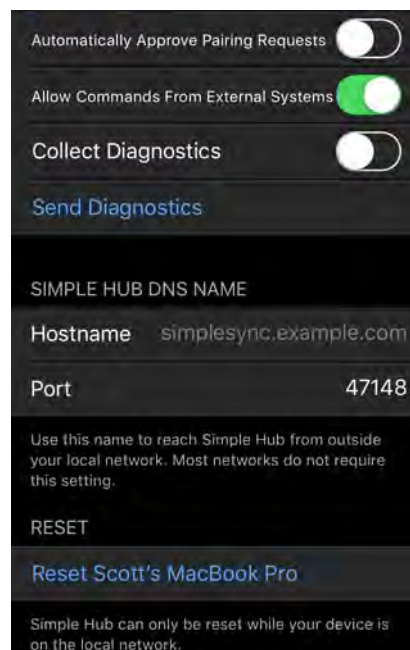
Simple Hub for Mac settings on clients are:

- **Pairing/Unpairing:** If the client is paired with Simple Hub, tap **Unpair from [device name]** to unpair.

  If the client is *not* paired with Simple Hub, tap **Pair with Simple Hub** to pair.

- **Licensed To:** Displays the email address of the Simple Hub License holder.

- **OS Version:** Shows the version of macOS running on the system hosting Simple Hub for Mac.

- **IP Address:** Shows the IP address of the Simple Hub for Mac 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.

  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.

- **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.

- **Reset [device name]**: Tap to reset Simple Hub for Mac on the specified device. For example, if the Simple Hub for Mac software is being hosted on a MacBook Pro owned by someone named Kayla, this command reads **Reset Kayla's MacBook Pro**.

THE SIMPLE HUB MENU

The Simple Hub icon sits on the menu bar of your macOS system.
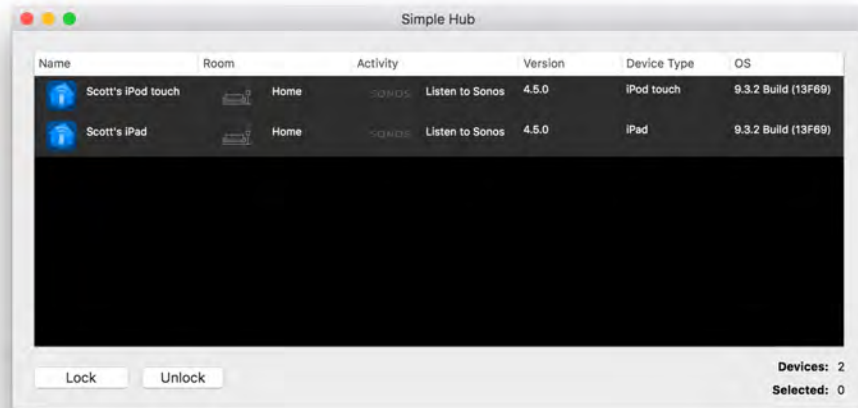

Click on the Simple Hub icon to display the Simple Hub menu, which gives you quick access to many of the features of Simple Hub for Mac.
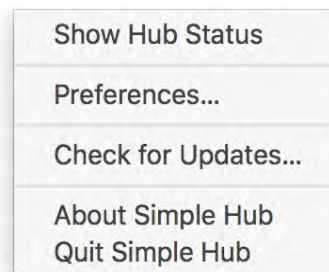
Show Hub Status

Select **Show Hub Status** from the **Simple Hub** menu to see the **Simple Hub** screen.

This image shows information about two clients:

- The icon on the far left: **Connected home**, for both clients, indicating these clients are paired with Simple Hub. The icon for an unpaired client is a world globe.

- The name of the clients: **Scott's iPod Touch** and **Scott's iPad**

- The active room: **Home**, for both clients

- The active activity: **Listen to Sonos**, for both clients

- The client version: **4.5.0** for both

- The iOS device type: **iPod Touch** and **iPad**

- The iOS version: **9.3.2** for both

NOTE: The information on the Simple Hub screen grays out when the client is no longer the active app on the device.

Configuration Lockdown

Configuration Lockdown lets you lock the configuration of a Simple Control client using Simple Hub for Mac. While locked, you cannot enter Edit mode on the client.

**NOTE:**   Configuration Lockdown requires a Simple Service subscription.

When you lock down a configuration, you set a PIN that allows you unlock the configuration of the client (via a command in **Settings**). You can also unlock the configuration from the **Simple Hub** screen.

You can use Configuration Lockdown in conjunction with Guided Access mode on your iOS device to set up a virtual remote dedicated to a single room.
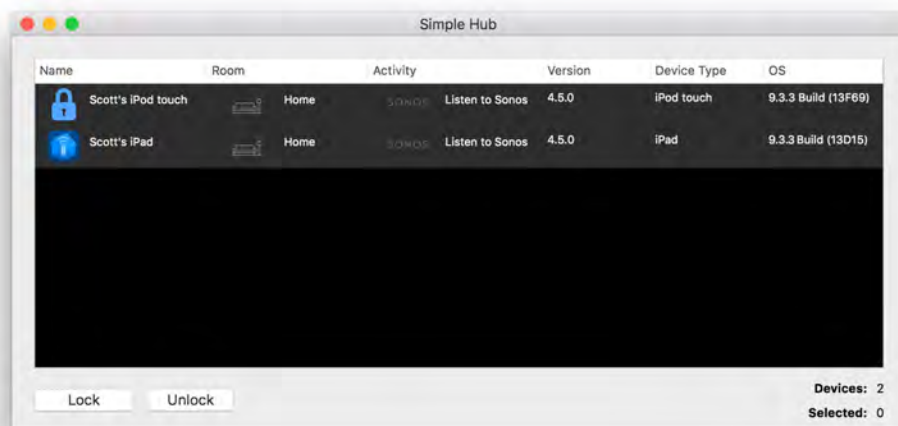
Locking a Configuration

To lock down the configuration of a client:

1. Pull down the **Simple Hub** menu and select **Show Hub Status**.

    The **Simple Hub** screen appears.

2. Select the client whose configuration you want to lock.

    When you select the client, the background turns bright blue.

3. Click **Lock**.

    The PIN dropdown appears.
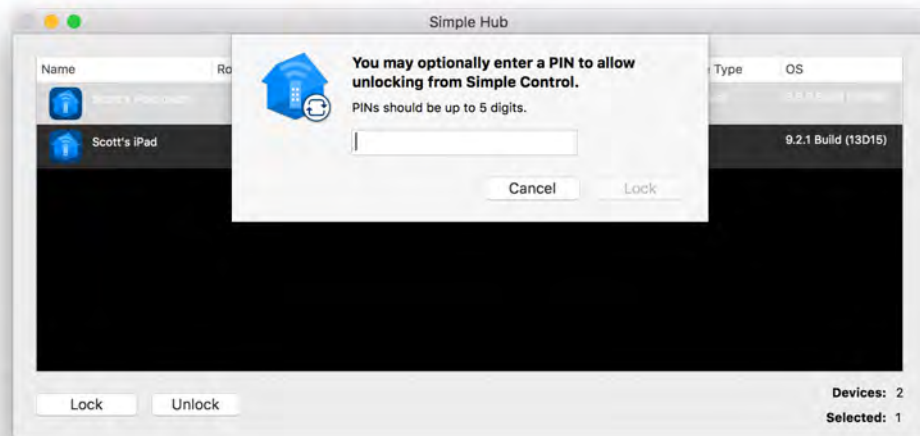
4. Enter the desired PIN, up to five digits.

    You must use numbers; letters and special characters are not allowed.

5. Click **Lock**.

    The configuration of the client is locked; the padlock symbol appears to the left of the name of the locked client.

Unlocking a Configuration

To unlock a configuration from the Simple Hub screen:

1. Pull down the **Simple Hub** menu and select **Show Hub Status**.

   The **Simple Hub** screen appears.

2. Select the Simple Control client whose configuration you want to unlock. They have a padlock symbol to the left of their name, as shown above.

3. Click **Unlock**.

   The padlock symbol changes back; the configuration is unlocked.

To unlock a configuration on the client:

1. On the client, tap the **Settings** icon to access **Settings**.

   You will be prompted to enter the unlock PIN.

2. Using the number pad, enter the PIN you created.

   When you enter the correct PIN, the **Settings** screen appears.

3. Navigate to **Prevent Editing**, then disable it (tap or slide the white circle to the left until the green background disappears).

The configuration is unlocked.

Preferences

Select **Preferences** from the **Simple Hub** menu to display the **Preferences** screen.
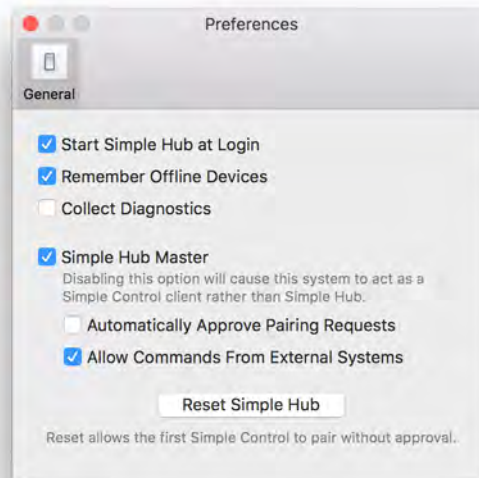
Simple Hub preferences are:

- **Start Simple Hub at Login**: Automatically starts Simple Hub when you start up the macOS system.

- **Remember Offline Device**s: Tells Simple Hub for Mac to remember devices running Simple Control clients if they go offline.

- **Collect Diagnostics**: Tells Simple Hub for Mac to collect diagnostic information to email to Simple Control Support.

NOTE: When enabled, **Collect Diagnostics** generates a significant amount of data. Disable it after you click **Send Diagnostics** to send the gathered data.

- **Simple Hub Master**: When enabled, 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.

    When disabled (slave mode), Simple Hub does *not* act as the master control for the clients on the network, nor does it support Remote Access or interaction with SmartThings. It does support other Simple Hub features, including triggers, configuration lockdown, macOS screen control, and commands.

    If you have more than one Simple Hub on a network, only one can have **Simple Hub Master** enabled; all others must have **Simple Hub Master** disabled.

- **Automatically Approve Pairing Requests**: When enabled, Simple Hub automatically approves pairing requests where approval would normally be required.

- **Allow Commands from External Systems**: When enabled, Simple Hub allows commands from external systems, such as SmartThings.

- **Reset Simple Hub**: Click to reset Simple Hub.

Check for Updates

Select **Check for Updates** from the **Simple Hub** menu to have Simple Hub check for a more recent version.

If there is a more recent version, you are prompted to download and install it.

If you are currently using the most recent version, no action is required.
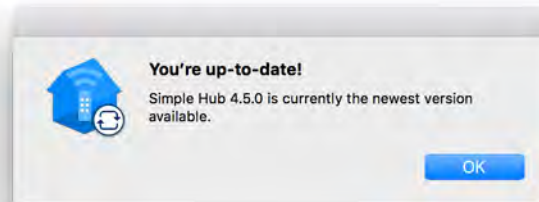
About Simple Hub

Select **About Simple Hub** from the **Simple Hub** menu to display the **About** screen.

The **About** screen displays version number and license information for the version of Simple Hub for Mac you are running.

Quit Simple Hub

Select **Quit Simple Hub** from the **Simple Hub** menu to exit from Simple Hub for Mac.

The **Simple Hub** menu disappears from the menu bar; it is no longer active.

NOTE: Closing the **Simple Hub** status screen using the red dot in the upper left corner of the screen does not quit you out of Simple Hub for Mac, it just closes the screen; Simple Hub for Mac remains active.

SYSTEM CONTROL

To control the mouse and keyboard on the macOS system hosting Simple Hub:

1. Add Simple Hub as a device in Simple Control and create an activity.

2. Open the activity and use the virtual remote.

These steps are described below.

Adding Simple Hub as a Device and Creating an Activity

To add Simple Hub as a device in Simple Control and create an activity:
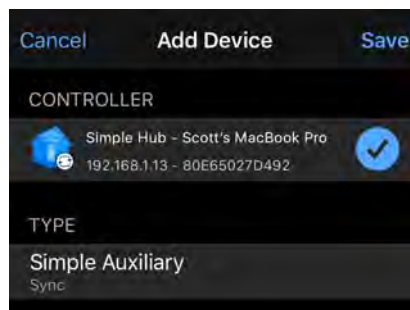
1. Open the client to the desired room, then make sure it is in Edit mode.

2. Tap **Add Device**.

   The **Add Device** screen appears.

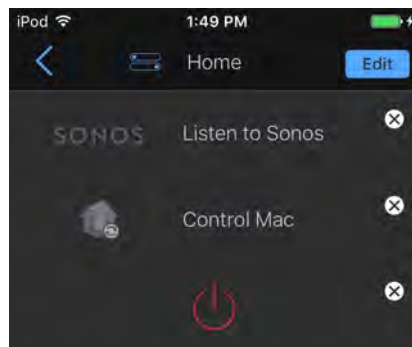3. Tap **Simple Hub**.

The **Add Device** screen appears.

4. Tap **Save**.

The **Create Activity** popup appears.
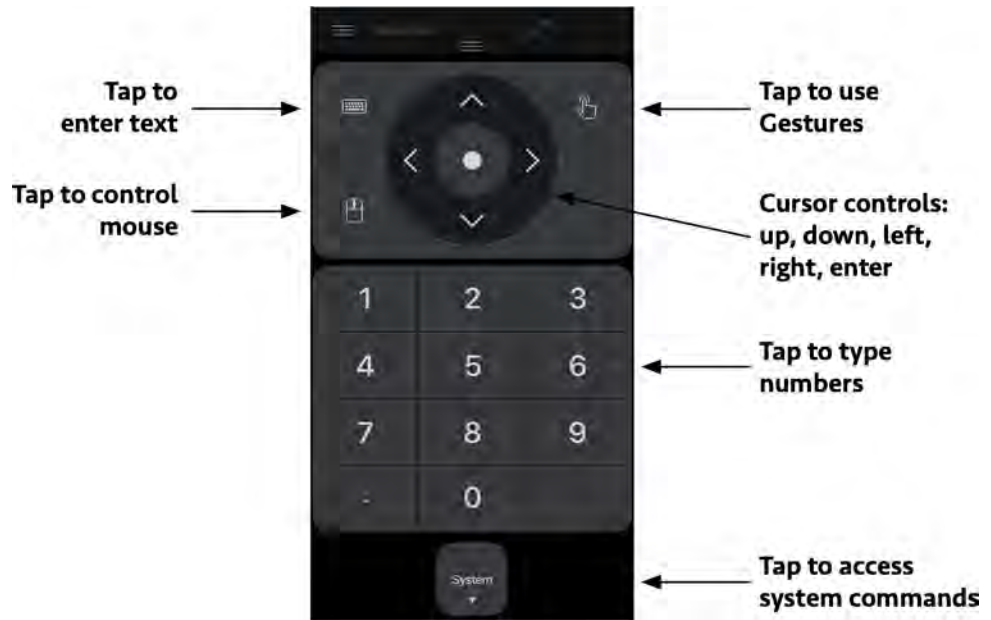

5. Tap **Create Activity**.

   The list of activities for the room appears.

Control Mac is the default name for the activity you use to control the mouse and keyboard on your macOS system.
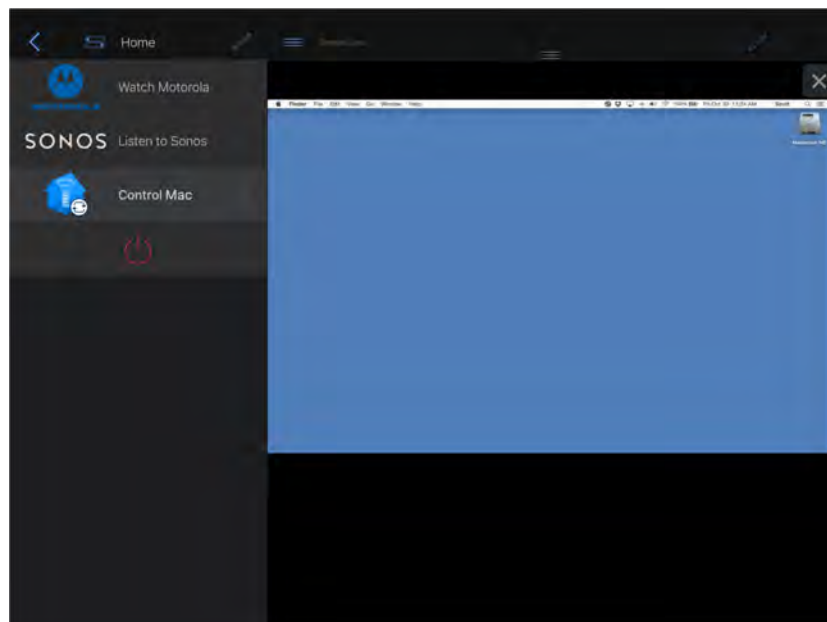
Using the Virtual Remote

You control your macOS system using the virtual remote.

To control your macOS system using the virtual remote:

1. In Simple Control, tap the **Control Mac** activity.

    The virtual remote appears.

2. Tap the mouse icon to control the screen.

This image is an iPad Mini in landscape mode; your screen will look different.

While using the screen:

– tap and drag to move the mouse

– left mouse: single-finger tap

– right mouse: two-finger tap

Tap the **X** in the upper right corner to close the screen.

3. Tap the keyboard icon to enter text.

The cursor must be in a position to accept text.

Tap **Done** to hide the keyboard.

4. Tap the finger icon to display a gesture panel.

Gesture panels are described in detail in the *Simple Control User Guide*.

5. Tap the numbers to enter them in a text field.

6. Tap **System** to access system commands.

Restart restarts the macOS system, **Shutdown** shuts it down, and **Sleep** puts it to sleep. Be sure to save your data before restarting or shutting down.

COMMANDS

Once Simple Hub for Mac is installed and licensed, you can add it as a device in Simple Control, which makes available additional commands that can be run from the client.

These additional commands must specify Simple Hub Auxiliary as the target; the commands themselves apply only to the host macOS system.

These commands can be part of an activity or a button on a virtual remote. Refer to *Simple Control User Guide* for detailed information about commands.

NOTE: Simple Hub must be running on the macOS system for these additional commands to work.

While most of the additional commands are self explanatory, some require additional information:

• the .MOUSE SET command is proportional to the destination screen. The upper left corner is 0,0 and the lower right is 1.0,1.0. So for example if you were to set .MOUSE SET to 0.5,0.5, the mouse would be placed in the middle of the screen.

• application names used with .APPLICATION LAUNCH are only the application names exactly as stored in the Applications folder on the system. For example, XBMC. Do not use path names with .APPLICATION LAUNCH.

• the .APPLICATION QUIT command uses the process name, not the application name. These are usually the same, with a few exceptions such as Plex, which is "Plex" instead of "Plex Home Theater."

• Script names for the .SCRIPT RUN command are full path names. For instance, "/Users/jon/Documents/myscript.scpt" would be a potential AppleScript. Do not use path abbreviations such as "~" in the path names.

Using Commands

To demonstrate how to use a a command, the following procedure: adds Simple Hub as a device, creates a new activity called Open Maps, and adds the command .APPLICATION LAUNCH.

If you have already added Simple Hub as a device in your Simple Control client, you do **not** need to do it again; just jump ahead to Step 6.

Note: The procedure assumes Simple Hub is installed, licensed, and running on the macOS system.

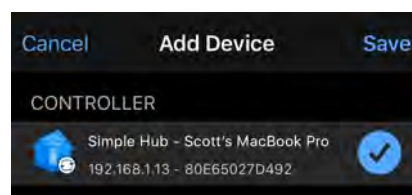**To create an activity that includes a command:**

1.   Open the client to the desired room, then make sure it is in Edit mode.

2.   Tap **Add Device**.

      The **Add Device** screen appears.
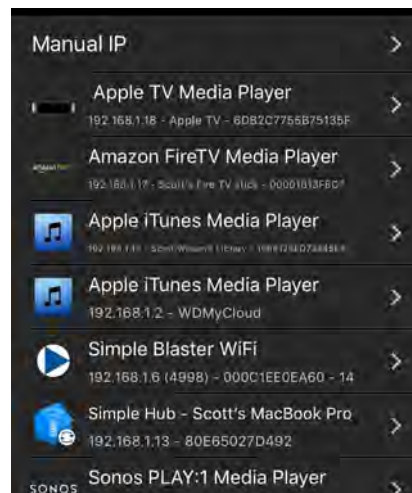
3.   Tap **Simple Hub**.

      The **Add Device** screen appears.
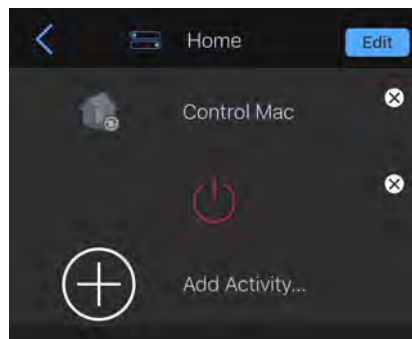

4.   Tap **Save**.

The **Create Activity** popup appears.

The main screen for the room appears.

The **Add Activity** screen appears.

5. Tap **Create Activity**.

6. Tap **Add Activity**.
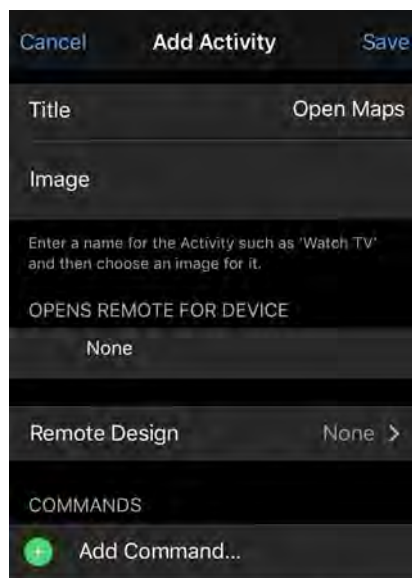
7. Enter **Open Maps** in the **Title** field using the keyboard, then tap **Done** on the bottom of the keyboard to dismiss it.

8. Tap **Add Command**.

The **Choose Target** screen appears.
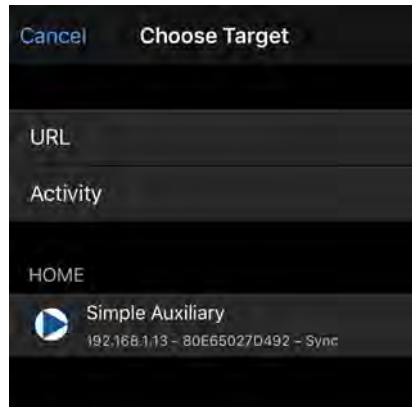
9. Tap **Simple Auxiliary**.

    The **Choose Command** screen appears.

10. Scroll down until you can see **.APPLICATION LAUNCH** or tap the blue **#** on the right side of the screen to jump down.

11. Tap **.APPLICATION LAUNCH**.

The **Add Command** screen appears.
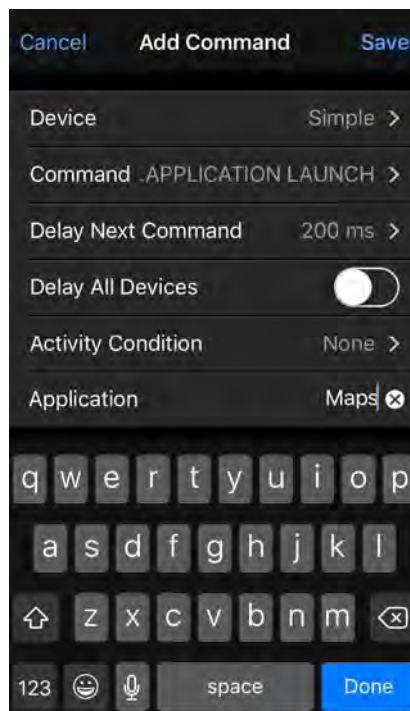
The **.APPLICATION LAUNCH** command is selected.

Do not forget to specify what application you want to launch. This example shows the Maps app is going to be launched.

12. At the bottom of the **Add Command** screen, tap **Application**.

13. Type **Maps** in the **Application** field, then tap **Save**.

IMPORTANT: Remember that with the **.APPLICATION LAUNCH** command, the name of the application you want to open has to exactly match the name in the **Applications** folder on the macOS system.

The **Add Activity** screen appears, now showing the **.APPLICATION LAUNCH** command.
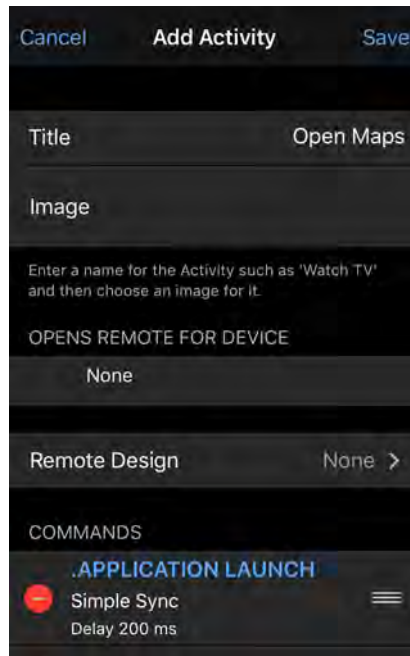
14. Tap **Save**.

    The main screen for the room appears, now showing the new **Open Maps** activity that we just created.

15. Tap **Edit** to switch to User mode.

16. Tap **Open Maps** to open the Maps application on the macOS system.

4   Simple Hub for Apple TV

This chapter describes Simple Hub for Apple TV.

This chapter includes:

- "About Simple Hub for Apple TV" on page 51
- "System Requirements" on page 51
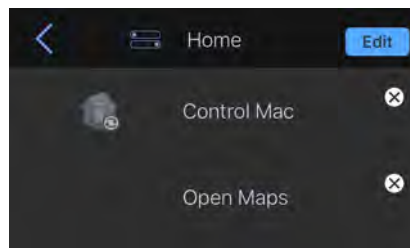- "Installing the Simple Hub for Apple TV App" on page 52
- "Using Simple Hub for Apple TV" on page 52
- "Pairing" on page 55
- "Configuring Simple Hub for Apple TV on a Client" on page 57

ABOUT SIMPLE HUB FOR APPLE TV

Simple Hub for Apple TV supports all of the core Simple Hub functionality described in "About Simple Hub" on page 5. Simple Hub for Apple TV is different from Simple Hubs that run on other platforms in that you can use it to view cameras on your local network.

Simple Hub for Apple TV *requires* a Simple Hub License. To associate your Simple Hub License with Simple Hub for Apple TV, pair a signed-in Simple Control client with Simple Hub for Apple TV. You must be signed in on your Simple Control client to the same Simple Control account you used to purchase the Simple Hub License.

If you are going to use Simple Hub for Apple TV to support core Simple Hub features (configuration synchronization and lockdown, remote access, SmartThings and Amazon Echo integration, and timer and trigger support), then the Simple Hub for Apple TV app must be active and the foreground app at all times.

IMPORTANT: Simple Control strongly recommends dedicating your Apple TV to Simple Hub for Apple TV if you want it to support core Simple Hub functionality. Do not use any app other than Simple Hub for Apple TV and do not exit from Simple Hub for Apple TV.

SYSTEM REQUIREMENTS

Simple Hub for Apple TV requires:

- Simple Hub for Apple TV app running on a supported version of Apple TV
- TCP/IP network, with Wi-Fi enabled and Internet access. Simple Hub for Apple TV and the iOS device hosting Simple Control *must all be on the same network*.
- Simple Control Version 4.5 environment set up and running

IMPORTANT: Simple Hub for Apple TV *requires* a Simple Control environment. It provides no functionality without a Simple Control environment.

INSTALLING THE SIMPLE HUB FOR APPLE TV APP

To install the Simple Hub for Apple TV app:

1. On your Apple TV, open the App Store.

2. Select **Search**, then enter **Simple Hub** in the text field.

3. When **Simple Hub - Camera** appears, click it.

4. Follow the on-screen instructions to purchase the app and complete the installation.

USING SIMPLE HUB FOR APPLE TV

Simple Hub for Apple TV supports camera viewing and core Simple Hub functionality.

Viewing Cameras

To view configured cameras:

1. On your Apple TV, navigate to the Simple Hub for Apple TV app and click it.

2. At the top of the screen that appears, select and click **View Cameras**.

   Cameras that are on your network appear on the screen.

Adding a Camera

To add a camera to view:

1. Open Simple Hub for Apple TV.

2. At the top of the screen that appears, select and click **Add Camera**.

3. Enter the following information about the camera you are adding:

   – **Brand**

   – **Model**

   – **Display name**

   – **Address or DNS:** Enter the IP address or DNS name of the camera.

   – **Port:** The default is 554.

   – **Username and Password:** If configured.

   – **RTSP Path:** For example, **rtsp://ip_adx/channel1**.

4. Tap **Save**.

Configuring Simple Hub for Apple TV

If necessary, you can reset Simple Hub for Apple TV as well as collect and send diagnostic information to Simple Control Support (when directed to do so).

To configure Simple Hub for Apple TV:

1. Open Simple Hub for Apple TV.

2. At the top of the screen that appears, select and click **Simple Hub**.

   Devices that are part of your Simple Control environment appear in a list.

3. Select and click **Apple TV**.

   The following buttons appear:

   – **Reset:** Select and click to reset Simple Hub for Apple TV.

   – **Collect Diagnostics:** Select and click to collect diagnostic information if directed to do so by Simple Control Support.

   – **Send Diagnostics:** Select and click to send diagnostic information to Simple Control Support.

   – **Cancel:** Select and click to return to the previous screen.

4. Select and click the blue **i** button.

   Additional information about the current screen appears.

Purchasing a Simple Hub for Apple TV License

Simple Hub for Apple TV requires a Simple Hub License. You can purchase a Simple Hub License from the Simple Store (store.simplecontrol.com) or in-app.

IMPORTANT: Purchasing a Simple Hub License from within the Simple Hub for Apple TV app restricts its usage to Simple Hub for Apple TV only. It will not work for Simple Hub on other platforms. You can purchase a Simple Hub License that does work on all supported Simple Hub platforms from the Simple Store.

To purchase a Simple Hub for Apple TV license:

1. Open Simple Hub for Apple TV.

2. At the top of the screen, select and click **Simple Hub**.

3. Select and click the blue **i** button.

4. Select and click the **Buy** button.

NOTE: If the **Buy** button is not visible, it means that Simple Hub for Apple TV is paired and licensed.

5. Follow the on-screen instructions to complete your purchase.

Restoring Purchases

If purchases you have made for Simple Hub for Apple TV are not active, you can restore them. This may be necessary if you have reset the configuration of Simple Hub for Apple TV or reinstalled the Simple Hub for Apple TV app.

To restore purchases in Simple Hub for Apple TV:

1. Open Simple Hub for Apple TV.

2. At the top of the screen, select and click **Simple Hub**.

3. Select and click the blue **i** button.

4. Select and click the **Restore** button.

5. Follow the on-screen instructions to complete the restoration.

Setting Simple Hub for Apple TV to Slave Mode

When Simple Hub for Apple TV is the only instance of Simple Hub on a network, it operates in master mode. It acts as master control for the Simple Control clients on the network, including support for the Remote Access feature and interaction with a SmartThings environment.

You can only have one Simple Hub in master mode on a network. If you have more than one Simple Hub instance on a network, only one can be in master mode. Any others must be set to slave mode, where they do not provide the functionality of master mode.

So if you had both Simple Hub for Apple TV (for camera viewing) and Simple Hub for Mac (for example, to provide core Simple Hub functionality), you would need to set Simple Hub for Apple TV to slave mode.

To set Simple Hub for Apple TV to slave mode you need another Simple Hub instance on the network; setting the other Simple Hub instance to master mode sets Simple Hub for Apple TV to slave mode.

Setting Simple Hub for Apple TV to slave mode:

1. Open Simple Hub for Apple TV.

2. At the top of the screen, select and click **Simple Hub**.

   The main Simple Hub for Apple TV screen appears, showing Apple TV listed at the top of the list of devices. Its description notes that it is a **Simple Hub**. It also has the blue sync icon, indicating that it is set to master mode, to the left of its name.

3. Select and click another Simple Hub from the list.

   A pairing screen appears.

4. Select and click **Pair**.

   You see a message indicating that pairing is complete.

5. Select and click **OK**.

   The main Simple Hub for Apple TV appears, now showing the blue sync icon to the left of the name of the Simple Hub instance you just set to master mode.

PAIRING

Simple Control client configurations are secured by pairing with Simple Hub for Apple TV. Pairing also associates your Simple Hub License with Simple Hub for Apple TV.

IMPORTANT: Pairing *requires* a Simple Hub License and a Simple Service subscription. A Simple Service subscription must be active on the Simple Control client to pair Simple Hub for Apple TV with that client.

Simple Hub for Apple TV offers to pair with the first Simple Control client it finds on the local network without asking for approval.

Additional clients must be approved: the second client must be approved by the first client, the third client can be approved by either the first or second client, and so on.
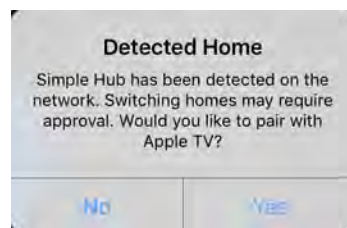
NOTE: If you want clients to be approved automatically, enable **Automatically Approve Pairing Requests** in the Simple Hub **Settings** on a paired Simple Control client (**Settings > Simple Hub > Simple Hub Devices**).

Pairing the First Client with Simple Hub for Apple TV

The first Simple Control client you pair with Simple Hub for Apple TV does not require approval.

To pair the first client with Simple Hub for Apple TV:

1.   After installing Simple Hub for Apple TV, open a Simple Control client.

2.   Simple Hub finds the client on the local network and offers to pair with it.

The **Detected Home** screen appears on the client.

It could take a moment after opening the client for the **Detected Home** screen to appear.

Because this is the first client to pair with Simple Hub for Apple TV, no approval is required to pair.

3.   Tap **Yes**.

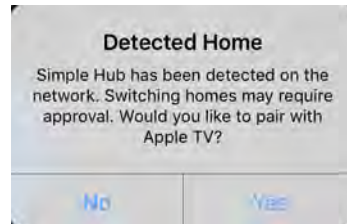The client is paired with Simple Hub for Apple TV.

Pairing Additional Clients

All Simple Control clients *after the first client* that you want to pair with Simple Hub must be approved by an already-paired client.

NOTE: If you want clients to be approved automatically, enable **Automatically Approve Pairing Requests** in the Simple Hub **Settings** on a paired client (**Settings > Simple Hub > Simple Hub Devices**).

To pair additional clients with Simple Hub for Apple TV:

1. Open the Simple Control client you want to pair with Simple Hub.

   Simple Hub finds the client on the local network and offers to pair with it.

   Because this is **not** the first Simple Control client to pair with Simple Hub on this network, approval by an already-approved client is required.

2. Tap **Yes**.

3. On a Simple Control client that has already been paired with Simple Hub, the **Pairing Request** screen appears.
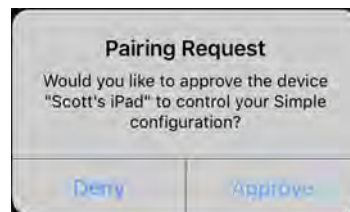
   This example shows a client named **Scott's iPad** requesting to pair with Simple Hub.

4. Tap **Approve**.

   The client is now paired with Simple Hub.

Troubleshooting Pairing

In some cases, an older or misconfigured router may prevent Simple Hub for Apple TV from offering to pair with Simple Control clients. In this situation, you can manually pair a client with Simple Hub for Apple TV.

To manually pair a Simple Control client with Simple Hub for Apple TV:

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

   The **Simple Hub** screen appears.

2. In the **Simple Hub Devices** section, tap the **Simple Hub** with which you want to pair.

3. In the **Pairing** section, tap **Pair with Simple Hub**, then tap **Pair** when prompted.

   If this is the first Simple Control client you are pairing with Simple Hub, no approval is required.

   If this is an additional client you are pairing, the pairing request must be approved on an already-approved client.

If you are still experiencing issues, try one of these methods:

- **Reset Simple Hub:** On a Simple Control client, tap the **Settings** icon, tap **Simple Hub**, tap **Simple Hub** in the **Simple Hub Devices** section, tap **Reset Simple Hub** (near the bottom of the **Simple Hub** screen), then try pairing again.

  Resetting Simple Hub can only be done from a client on the same network; you *cannot* reset Simple Hub from a client that is accessing your network via the Remote Access feature.

  When you reset Simple Hub for Apple TV, the configuration from the client will be pushed onto Simple Hub as the active configuration.

- **Reset the Simple Control client:** Open the client, tap the **Settings** icon, tap **Reset Simple Control** (near the bottom of the **Settings** screen), tap **Reset** when the confirmation dialog appears, then try pairing again.

  When you reset a Simple Control client, its configuration will be lost and the client will be prompted to inherit the active configuration from Simple Hub.

CONFIGURING SIMPLE HUB FOR APPLE TV ON A CLIENT

There are Simple Hub for Apple TV settings that can be configured on a paired Simple Control client.

To access Simple Hub settings on your Simple Control client: open **Settings**, tap **Simple Hub**, then tap the name of the Simple Hub device whose settings you want to access; the **Simple Hub** screen appears showing the current settings.

Simple Hub settings are:

- **Pairing/Unpairing:** If the Simple Control client is paired with Simple Hub, tap **Unpair from Simple Hub** to unpair.

  If the Simple Control client is *not* paired with Simple Hub, tap **Pair with Simple Hub** to pair.

- **Licensed To:** Displays the email address of the Simple Hub License holder. Displays **Unlicensed** if the client is not paired.

- **OS Version:** Displays the version of tvOS running on your Apple TV.

- **IP Address:** Shows the IP address of the Simple Hub 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://198.51.100.0:47148**), 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 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.

  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.
- **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.
- **Reset Apple TV**: Tap to reset Simple Hub for Apple TV.

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 also lock the configuration of a synchronization peer. When a peer is locked, you cannot change its configuration.
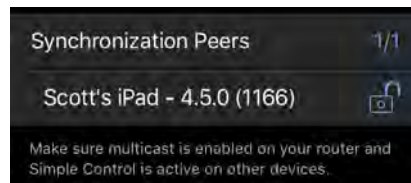
You can view all current synchronization peers on the **Simple Hub** screen of the **Settings** on a paired Simple Control client.

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**.
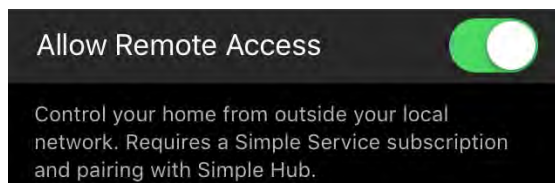
The current synchronization peers display.

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 configuration lockdown.

To lock the configuration of a synchronization peer:

1. Tap the padlock icon next to the synchronization peer you want to lock.

2. On the screen that appears, enter a PIN, then tap **Done**.

   You must use numbers; letters and special characters are not allowed.

   When a peer is locked, you cannot change its configuration.

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**.

Remote Access

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

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

The Remote Access feature requires: a Simple Hub License, a Simple Service subscription, and that you be signed in to your Simple Control account.
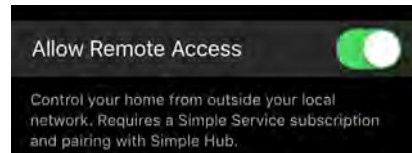
You must enable the Remote Access feature to integrate Simple Control with Amazon Echo. Refer to the *Simple Control/Amazon Echo Integration Guide* for more information.

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

- log in to your Simple Control account on the Simple Control client
- securely pair the Simple Control client with Simple Hub

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. Set **Allow Remote Access** to 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.