SAVANT

Savant® Apple TV HomeKit Deployment Guide

For IP Control and Siri Integration

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This document provides an overview of the steps required for Savant integration with Apple TV and HomeKit including:

- Pairing an Apple TV to the Home application,

- Overview of the HomeKit hub,

- RacePoint Blueprint setup for the Apple TV profile,

- Adding the Savant Host as the HomeKit Bridge,

- Pairing HomeKit accessories.

Contents

1. Requirements

This page lists the requirements to setup the Savant Host as a HomeKit Bridge and otherwise assumes the Apple TV is currently setup and functioning as intended.

Before You Begin

Read this document in its entirety and ensure that the following required items are available:

1. 4th Generation Apple TV running tvOS 12.0 or later.. ☐
2. iOS Device running iOS 12 or later.. ☐
3. An Apple ID Account .... ☐
4. Two-factor authentication on the Apple ID Account on the Apple TV and iOS devices .... ☐
5. Savant iOS Pro App Version: 9.1 or later... ☐
6. HomeKit Enabled Runtime Build: da Vinci 9.1 or greater.. ☐
7. Profile: Apple Apple TV (HomeKit)... ☐
8. Remote: Savant REM-1100 / REM-2000 (required for Siri Control). .... ☐

> **NOTE**:
>
> – Savant Host Redundancy is not supported for Apple TV HomeKit deployments.
> – Linking the Host as the HomeKit Bridge is only supported on the iOS Savant Pro App and must be done locally.
> – All Apple TV HomeKit Hubs must be on the same VLAN/subnet as the corresponding Savant Host HomeKit Bridge.
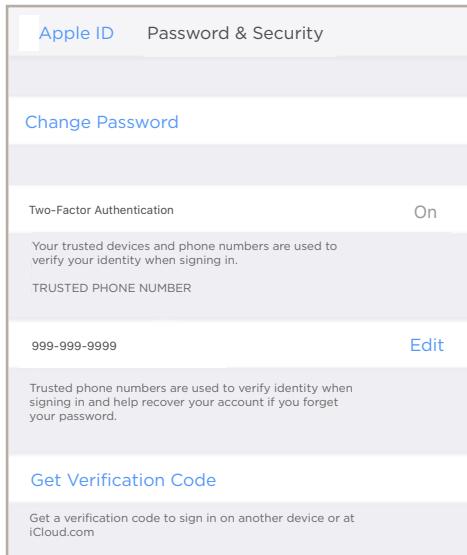
2. Apple TV Pairing Process

The following procedures outlined in this section and the following section are required by Apple in order to add the Apple TV to an Apple HomeKit home. If the Apple TV has not already been added to an Apple HomeKit home, do the following:

2.1. Two-factor Authentication for iOS

Apple requires two-factor authentication to be setup before using any HomeKit features.

Apple ID Password & Security	
Change Password	
Two-Factor Authentication On	
Your trusted devices and phone numbers are used to verify your identity when signing in.	
TRUSTED PHONE NUMBER	
999-999-9999 Edit	
Trusted phone numbers are used to verify identity when signing in and help recover your account if you forget your password.	
Get Verification Code	
Get a verification code to sign in on another device or at iCloud.com	

1. Navigate to **Settings** on the Apple TV and HomeKit.

2. Select the Apple ID (User name) at the top of the **Settings** page.

3. Select the second setting option, **Password & Security**, located under the Name, Phone Numbers, and Email.

2.2. iCloud Keychain

Settings > Name > iCloud.

Ensure that iCloud keychain is enabled on the Apple ID account being used.

12:40	
‹ iCloud **Keychain**	
iCloud Keychain ⬤	
iCloud Keychain keeps the passwords and credit card information you save up to date on the devices you approve. Your information is encrypted and cannot be read by Apple.	

1. Navigate to **Settings** on the iOS device configuring the Apple TV and HomeKit.

2. Select the Apple ID (User name) at the top of the **Settings** page.

3. Select iCloud from the top of the second section.

4. Select **Keychain** under Apps using iCloud.

2.3. Apple TV iCloud Settings
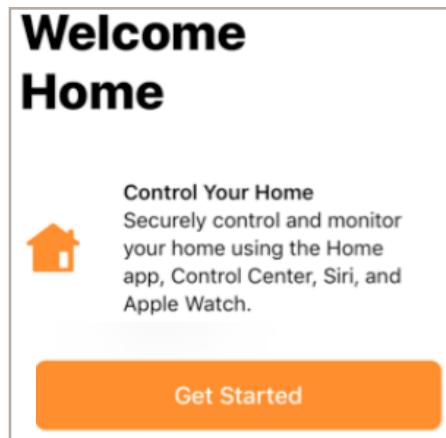
The iCloud account signed into, on the Apple TV, must use the same Apple ID as the configuring iOS device.
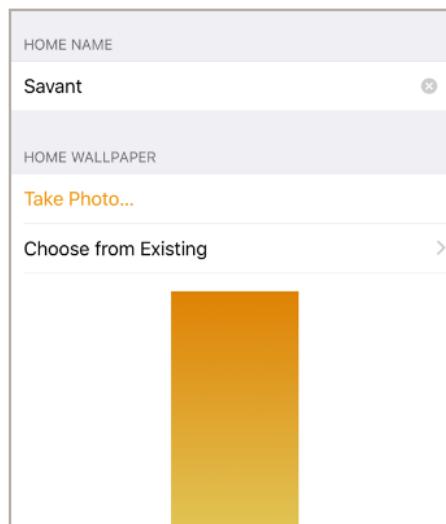

1. Navigate to and select **Settings** on the iOS Apple TV menu.

2. Choose Accounts.

3. Select iCloud from the top of the second section.

4. Ensure the iCloud Accounts signed into, on the Apple TV and iOS device, are the same.

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2.4. Home App Creation
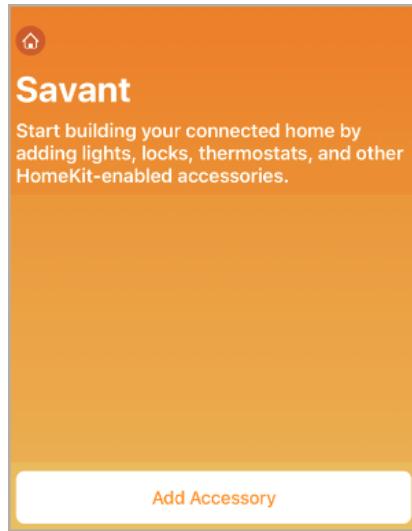
Open the Home app on the controlling iOS device and follow the on-screen prompts to choose a Home name and Home Wallpaper.

1. Select "Get Started" on the Welcome page. This will create the HomeKit Home and allow the selection of a Home Name.

2. In this example, the Home Name chosen is "Savant." This Home Name field may be edited to select any name and is not limited to the example name.

3. Once the Home Name and Home Wallpaper is chosen, the Home screen will populate.

2.5. Airplay 2 setup
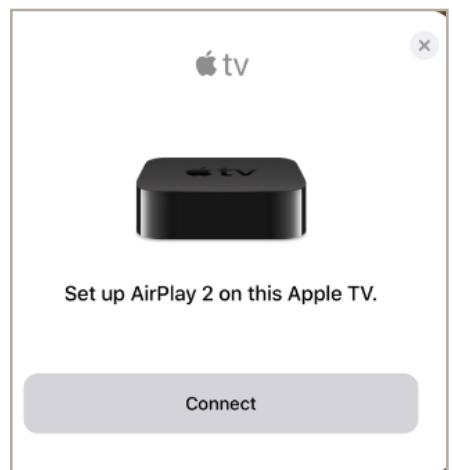
On the Apple TV go to the AirPlay Settings screen and choose the "select a Room" tab.
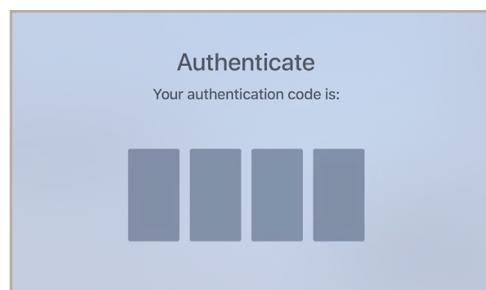
1. Once the Home Name and Wallpaper have been chosen, you will be placed on the Home screen.

Start Using AirPlay 2

1. Unlock your iPhone, iPad, or iPod touch.
2. Turn on Bluetooth.
3. Hold the device close to this Apple TV.

Make sure your iOS device is signed in to the iCloud account
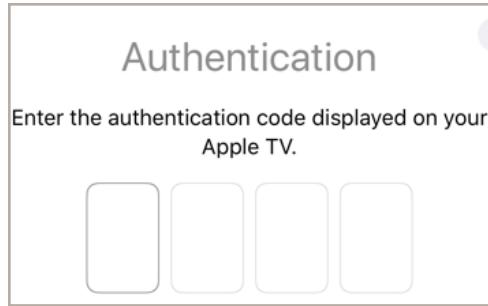
1. Continue to following the on-screen prompts displayed by the Apple TV.

Set up AirPlay 2 on this Apple TV.

Connect

2. Select the "Connect" button.
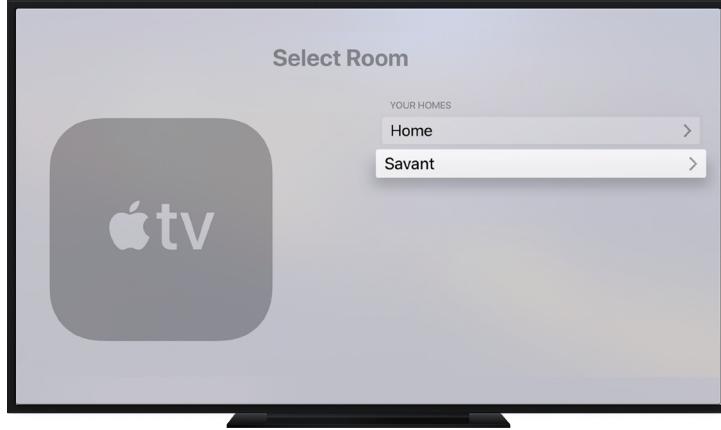
3. An authentication code will now display on the Apple TV screen that is unique per device. This code cannot be used again.

Authenticate

Your authentication code is:

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4. Enter the code appearing on the Apple TV into the authentication screen on the iOS device.

5. Select **Done** to confirm Airplay 2 is ready.

6. After Airplay 2 is enabled on the Apple TV, the screen will display a prompt to add it to a HomeKit Home.
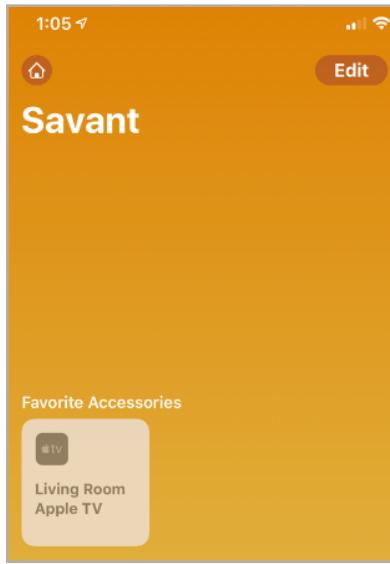
7. In this example, we are selecting the HomeKit Home name called Savant. This name was created earlier in Section 2.5.

   NOTE: A list of multiple Homes will only appear if there are multiple HomeKit Homes for the Apple ID Account being used.

8. Select a Room, or select **Add New Room** at the bottom of the list.

   NOTE: There are no restrictions to the Airplay Rooms; the Apple TV can be placed in any Room in the HomeKit Home and the Room can have any desired name.

9. When the room is chosen and confirmed on the Apple TV screen, it will appear under accessories, on the Home App. See Section 2.5 for prior instructions.

10. The Apple TV should now appear in the iOS Home app. The application will show the Apple TV under the Home and Room that it was assigned to.

> **NOTE**: The iOS device may need to be power cycled after adding each additional Apple TV to the HomeKit Home.

Additional Information:

After the Apple TV has been added to the HomeKit Home, the Apple TV automatically sets itself up as a HomeKit hub. To ensure that the Apple TV is connected as a HomeKit hub, go to Settings on the Apple TV. Then navigate to Accounts > iCloud and look under HomeKit.

2.6. Apple TV Name and tvOS Version

(i) **HELPFUL INFO!** The Apple TV's name in the following About page must match the Profile name in Blueprint.
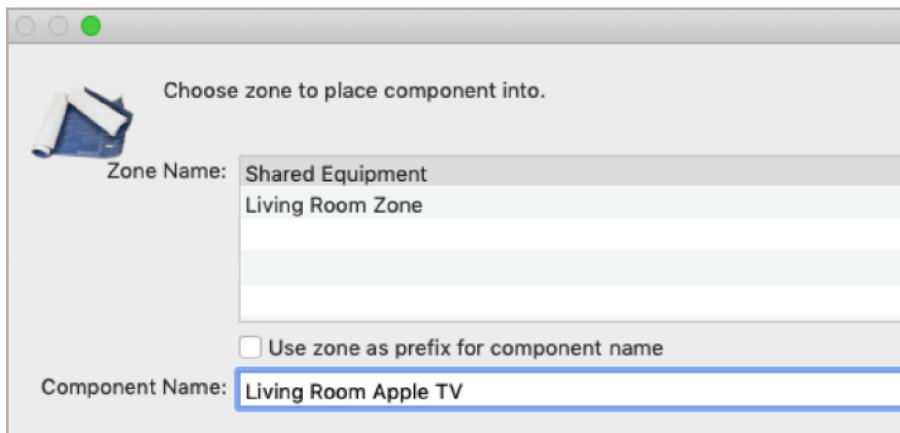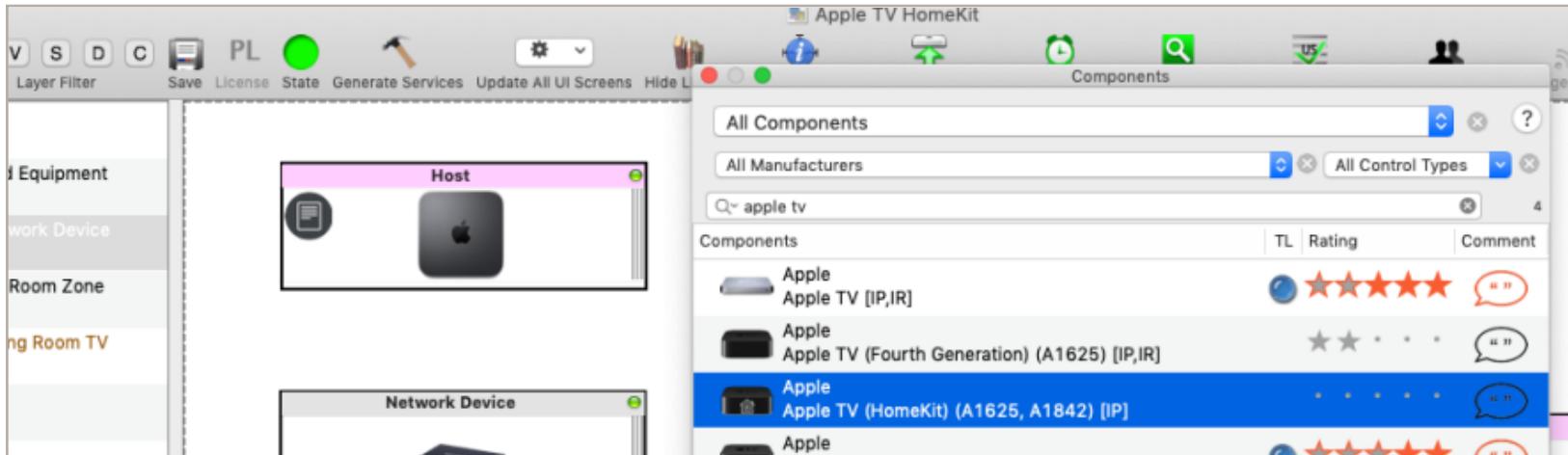
These steps will be covered in the Section 3.1

About	
Name	Living Room Apple TV
Model	A1842 (32 GB)
Serial Number	DY3V6DNVJ1WF
tvOS	12.2.1 (16L250)
Resolution	2160p UHD – 60Hz YCbCr 4:2:0
IP Address	10.5.163.29
Ethernet Address	40:cb:c0:a9:50:9b

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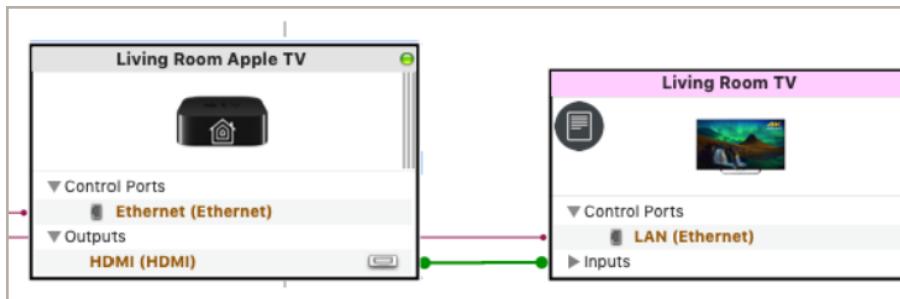
1. Navigate to and select **Settings** on the Apple TV menu.

2. Select **General** to populate a new information menu.

3. Choose the **About** option to generate Apple TV technical information.

4. Check the tvOS version on the about page of the Apple TV.

    NOTE: If the Apple TV is not on tvOS 12 or later, please update it via: **Settings > System > Software Update.**

3. RacePoint Blueprint Setup

Search for the **Apple Apple TV (HomeKit)** profile in the Component Profile Library within RacePoint Blueprint.
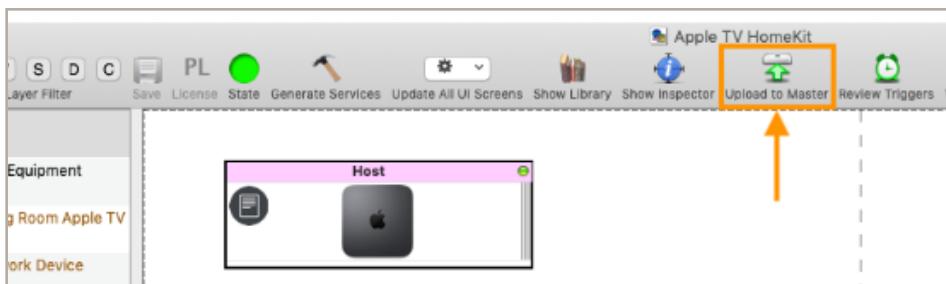
1. Drag the profile into the configuration and give the device the name of the actual Apple TV.

2. 🛈 **TIP!:** The device name is how the host identifies the Apple TV. It must match Section 2.6.

3. Make the appropriate HDMI connection from the Apple TV to the corresponding HDMI input. Then connect the Ethernet connection to a network switch.

   🛈 **TIP!:** Do not put the IP address of the Apple TV on the Ethernet wire.

4.   Generate services and confirm that the Apple TV service with Siri UI mapping generates in the View services window.

5.   Save the configuration and upload to the Host.

4. Adding the Host Apple TV HomeKit Bridge
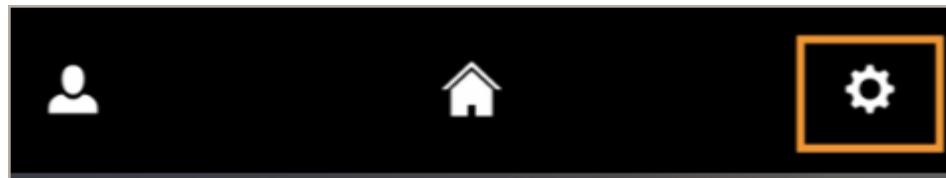
The following sections assume all prior steps have been taken and will describe how to add the Savant Host as the Apple TV HomeKit Bridge from the Savant Pro App.

4.1. Devices Page
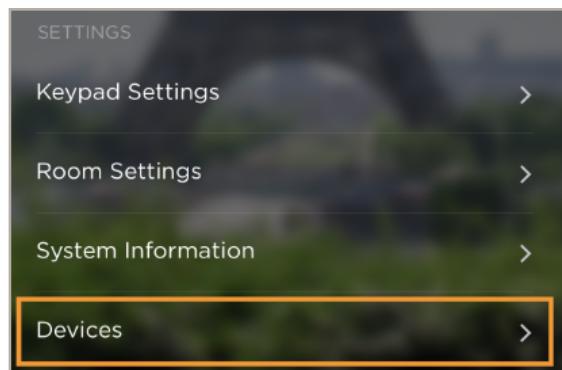
Navigate to the Devices Page, where the HomeKit Home will be linked to the Savant Host..
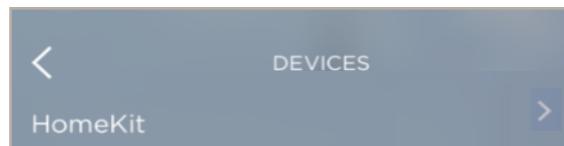
|	
	1. Open the Savant App and select the Rooms view bar.
	2. Select the Settings gear in the top right hand corner of the Rooms view page.
	3. On the Settings page, at the bottom, Select **Devices**.
	4. Select the HomeKit tab.
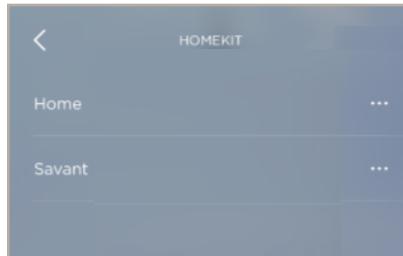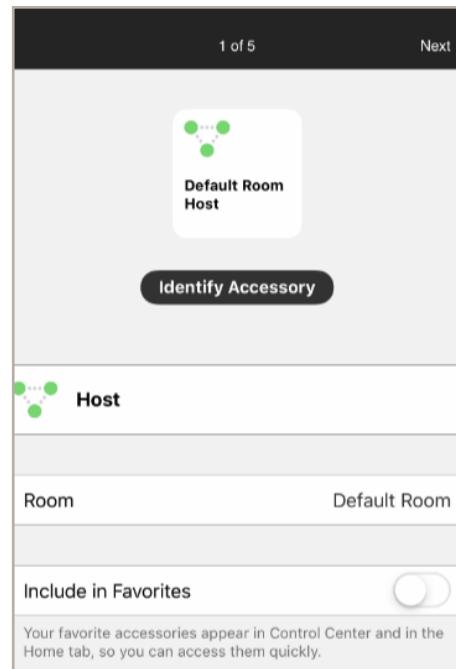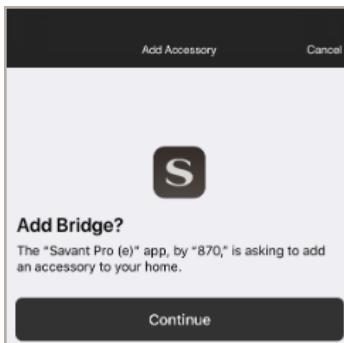
4.2. HomeKit Page

The HomeKit Pages will continue the link process of the Savant Host and accessories for OSD control.


1. Select the intended HomeKit home to pair with the Apple TV HomeKit Hub and Host HomeKit Bridge.
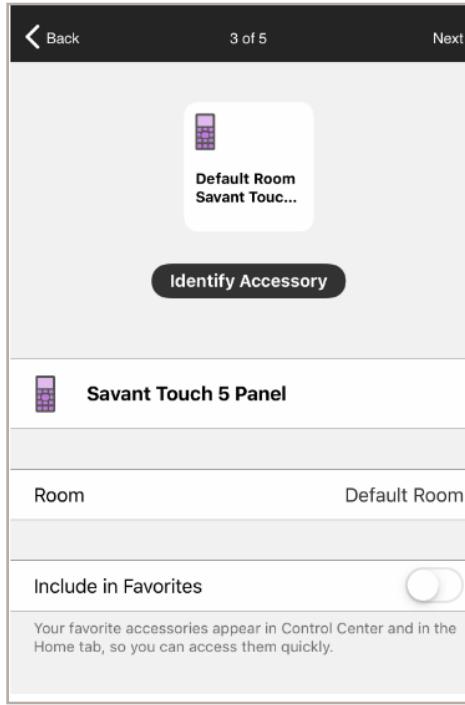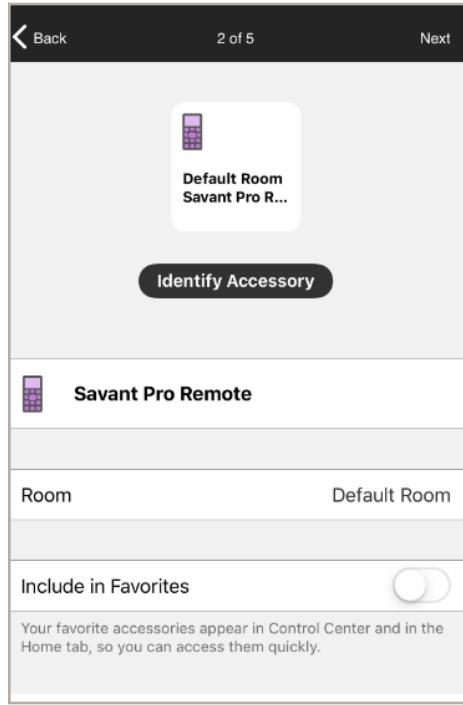
2. If this is the first time using HomeKit with the Savant Pro App, a prompt will populate asking for permission to access HomeKit Data.
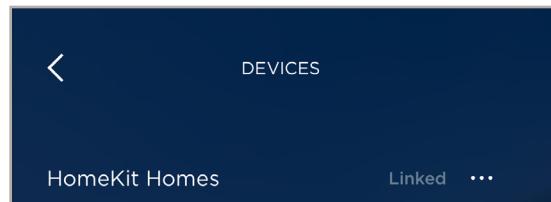

3. Select the Continue button on the bottom of the "Add Bridge?" screen.

4. Select **Next** in the top right hand corner of the following page. This will add the Host as the HomeKit Bridge.

   NOTE: A Mac Pro host will audibly identify itself by saying: "Identifying the Savant Host". If pairing a Smart host, the status light will blink amber during the identification process.

Default Room
Savant Pro R...

Identify Accessory

Savant Pro Remote

Room	Default Room

Include in Favorites	

Your favorite accessories appear in Control Center and in the Home tab, so you can access them quickly.

Default Room
Savant Touc...

Identify Accessory

Savant Touch 5 Panel

Room	Default Room

Include in Favorites	

Your favorite accessories appear in Control Center and in the Home tab, so you can access them quickly.

5.   Select Next to add all of the Savant Remotes and UI Touch panel devices.

6.   The HomeKit Home now should display as linked.

DEVICES

HomeKit Homes   Linked   •••

5. Activating Siri

Siri can used on both the REM-1100 and REM-2000 by pressing the labeled microphone button.

> **NOTE**: Ensure that Siri is enabled on the Apple TV first by navigating to **Settings > General > Siri (On).**
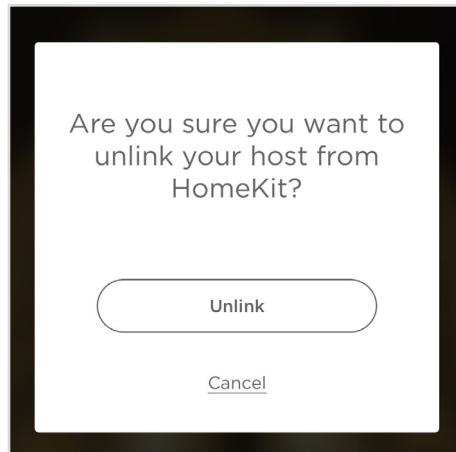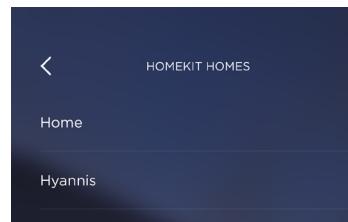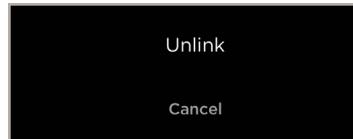
1. Power on the Apple TV HomeKit controlled service on the REM-1100/2000 remote.
2. Hold down the microphone button on the remote and say a Siri command for the Apple TV into the top of the remote.

Appendix A: Unlinking the Savant Home

Navigate to **Menu > Settings > Devices > HomeKit**. This page will display currently linked HomeKit Homes.

NOTE: The unlink process should only be utilized when the Savant Host is being replaced or all IP control of the Apple TVs is no longer necessary.

1.	Select the ellipses "…" next to the desired linked Homekit.
2.	A list of available HomeKit Homes will be shown. Select the HomeKit Home, that is currently linked to the Host.
3.	This will populate an Unlink and cancel option at the bottom of the Devices page. Select Unlink to populate a confirmation window.
4.	Select Unlink again to complete the process.

Appendix B: System Monitor

When the host is paired as the HomeKit Bridge, search for the appropriate state by typing "homekit" in state center's bar. The state will read "global. homekit.paired" and have a value of: 1.

> NOTE: See the Apple TV and HomeKit Troubleshooting Guide, or contact Savant Support via the Savant Customer Community for further deployment assistance.

Removing HomeKit Accessories

System dashboard also offers a HomeKit Accessory removal tool. The bottom of the Dashboard allows the Device UID to be entered; Select "Remove from HomeKit" to prompt a confirmation window.
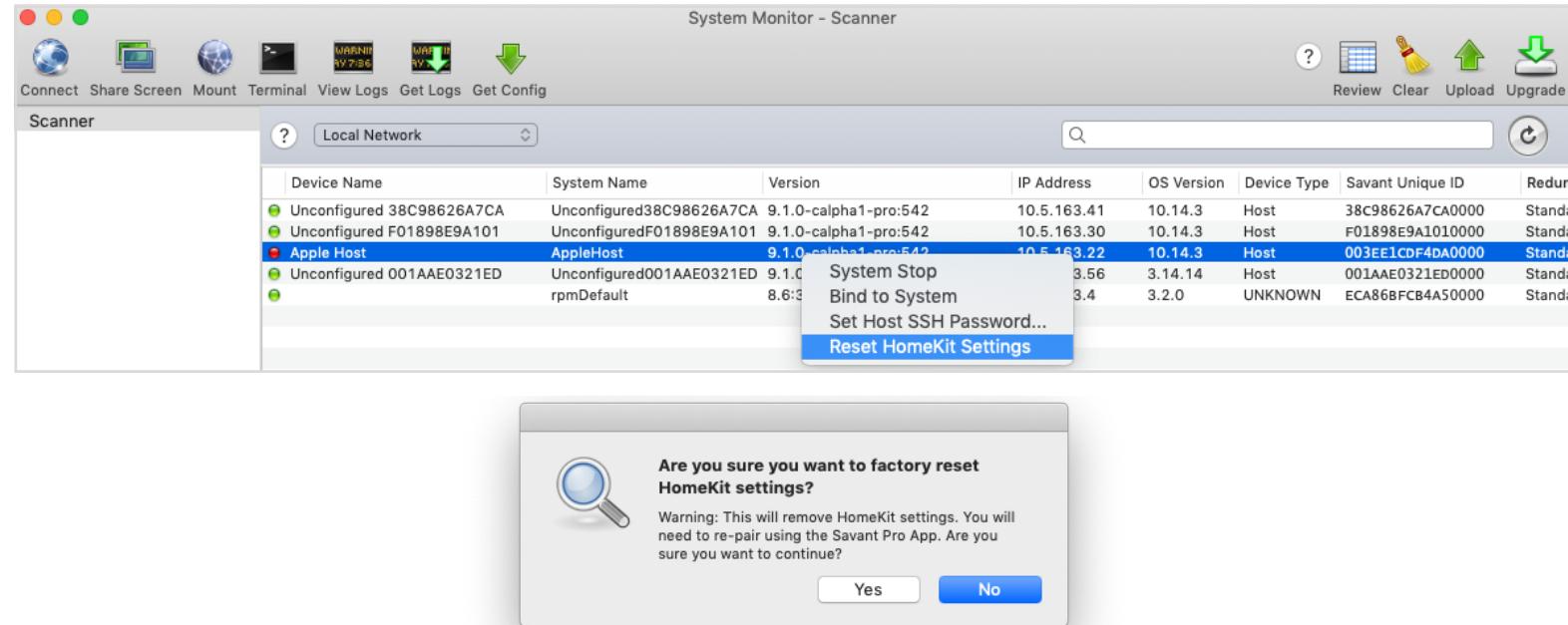
Factory Reset HomeKit Settings
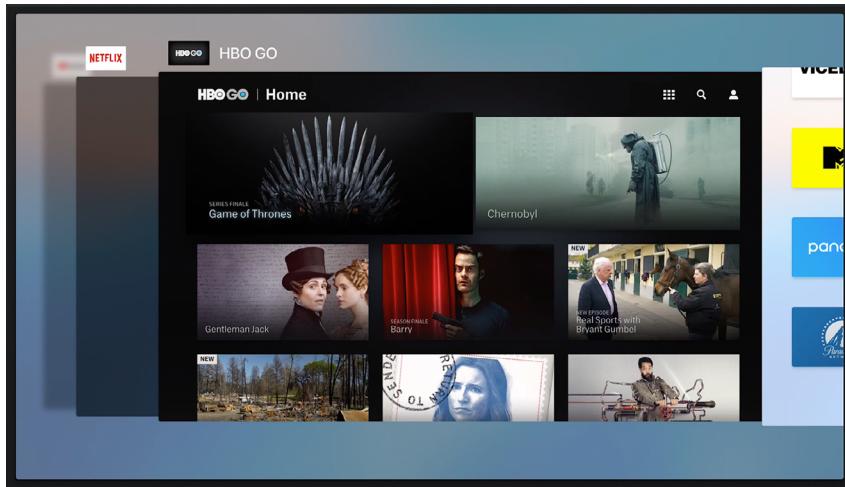
Navigate to **Savant Application Manager > System Monitor - Scanner > Devices > Highlight Host**.

NOTE: Factory resetting the HomeKit Settings is the only way to remove a Savant Accessory from a Homekit home.
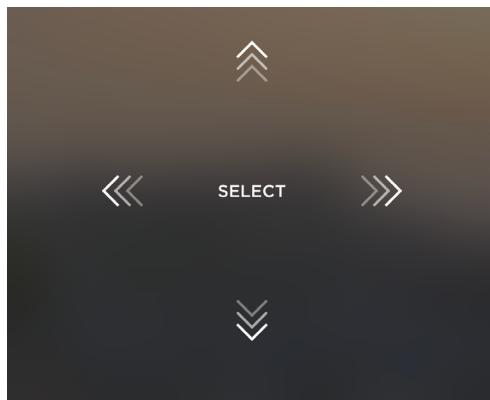
Appendix C: Additional Control Notes

The following bullet points are additional control features of the Savant Pro App in conjunction with IP controlled Apple TVs.


1. Double Press of Home button launches the app switcher on the Apple TV.
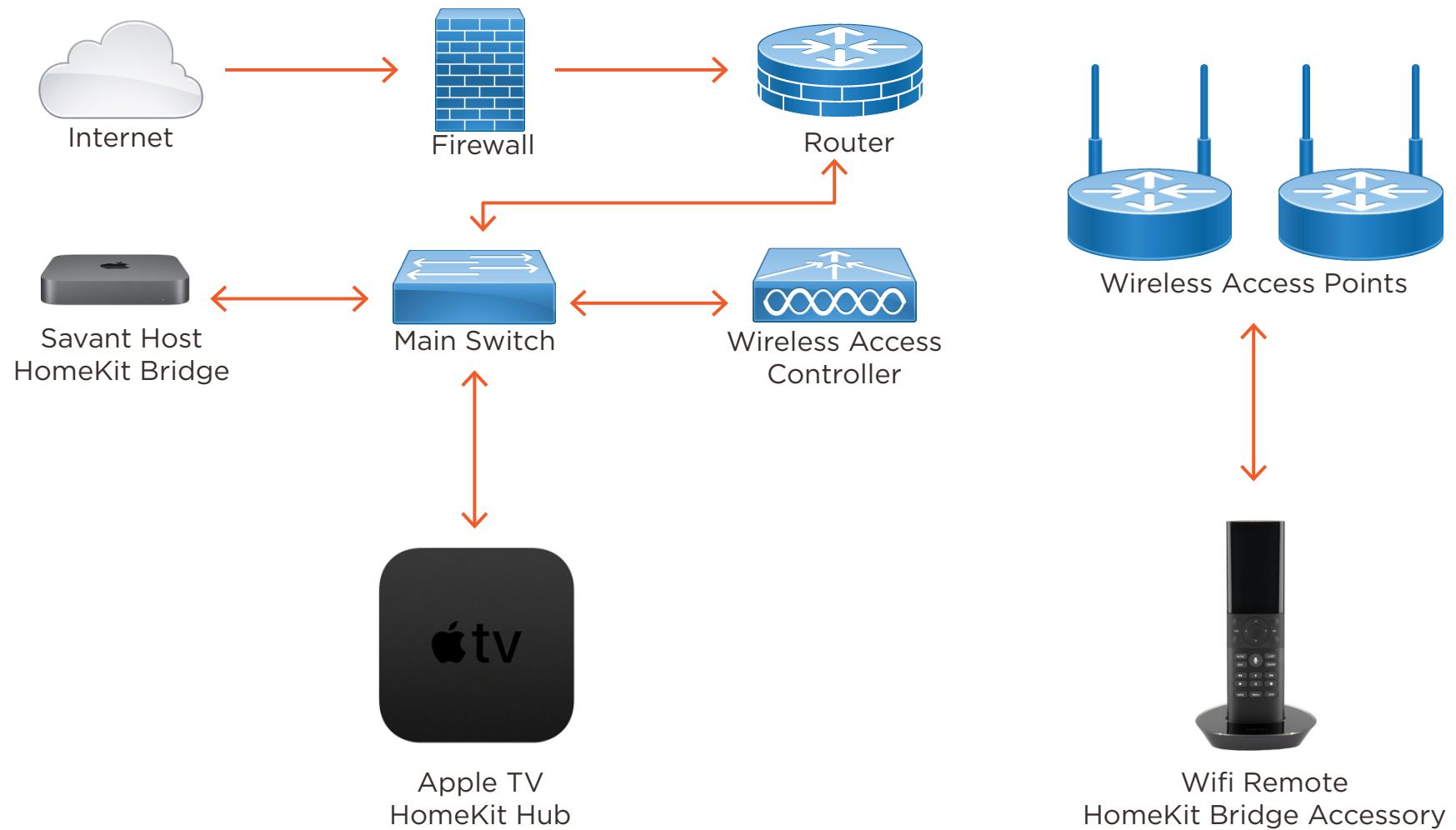
2. Double press/swipe the directional pad buttons (up, down, right, left) to send a swipe gesture. For example, to quit an app, double press the home button to populate the Apple TV app switcher, then double press/swipe the UP button to kill the tvOS app.

NOTES:

- The DVR and Guide button on the Pro Remote will bring the user to the Apple TV home page.
- Siri will only activate when the Apple TV service is on, otherwise it is the current Savant voice engine for the Pro Remote.
- Savant Scenes are not supported in HomeKit as a limitation of Apple support for Homekit devices.

Appendix D: Network Topology

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