clare™

Samsung TV with Chromecast IP Driver Integration Release Notes

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Introduction

The release of the Samsung with Chromecast IP driver lets you integrate Samsung televisions using Chromecast with the Clare Controls Network. Customers can now control their Samsung TV through Chromecast and IP using the Clare Controls Application. No software or download is necessary. Simply connect the Samsung TV unit to Chromecast and the home network, and then add the TV in Fusion.

Notes

- The Samsung TV must be connected to Chromecast for this driver to operate.
- You must set a static IP address for the Samsung TV.
- Most Samsung TVs do not support the power over IP. They must be used with devices that support HDMI CEC.

The Samsung TV IP Driver supported models:

Currently works on most 2011 to 2014 Samsung smart TV models.

Note: This driver does not support Samsung 2015 or newer models.

Installation

Only qualified technicians should install or connect any devices used with Clare Controls products. Refer to the installation instructions that came with your Samsung TV and Chromecast devices. Clare Controls does not assume any responsibility for damages caused by improper installation or connection to the data network.

Note: A static IP address must be set for the Samsung TV.

Before adding the Samsung TV to your Fusion project, you will need to connect it to Chromecast and obtain the Chromecast hostname.

To get the Chromecast hostname:

- 1. Connect the Chromecast to the Samsung TV HDMI 3 Input. Use the instructions provided with your Chromecast device.
- 2. Look at Chromecast screensaver on the Samsung TV. The bottom-left corner displays the Chromecast hostname. For example Chromecast1654.local.
- 3. Write down the hostname, this is required for Fusion programming.
- 4. Add the Samsung TV in Fusion.

Note: The TV will power on to HDMI 3 and can then be changed to the desired Input. See "To configure the scene: 6.

Fusion configuration

Configure the device in Fusion to enable the Samsung TV to function with the Clare Controls UI.

To add the SamsungTV IP Driver:

1. Open your Fusion project.

2. Click the **Devices** tab, and then click the **New Device** button 😳.

The Select Template dialog displays.

C Select Template	\otimes
Device Templates	
type filter text	
▶ 🗃 Access	
▶ ■◀ CCTV	
▶ <mark>76°</mark> Climate	
🛛 🖻 Entertainment IP Devices	
🕨 📺 Cable/Sat TV Tuner	
🕨 🛅 Projector	=
Receiver	
🕨 🏜 Switcher	
4 📺 TV	
📺 Hydra Connect - HDMI CEC - Display Control (IP)	
🚍 One-Way IP (Custom)	
📺 Samsung TV (IP)	
) 🖬 Entertainment IR Devices	
Entertainment Serial Devices	
🖌 🖌 Fireplace	
🕨 💽 Lighting	•
Communication Method: Other	
OK Cance	
Cance	21

- Browse to Samsung- TV (IP).
 Entertainment IP Devices > TV > Samsung TV (IP)
- 4. Click OK.

The device **Details** tab displays. If desired, enter a name and notes for the device.

📺 *Game Room Sa	msung 🕄	1	
			5
Details Configure	Test		
Icon:	ă de la constante de		
Name:	Game Room Samsung		
Manufacturer:	Samsung		
Model Number:	Most Models		
Master Template:	Samsung TV (IP) Change Device Template		=
Types:	TV		
Notes:	**Requires Google Chromecast for Power On over IP. -Add name of Chromcast as Chromecast Hostname plus .local	* *	
Version:	1.0.0		
Last Modified	2015/11/23 18:13		•

5. Click the **Configure** tab, and then configure the field as follows.

Chromecast hostname: This is the Chromecast hostname identifier found on the Chromecast screensaver, or in the device documentation. For example – Chromcast1616.local.

Network Address: This is the Samsung's set static IP address.

Network Port: This field not be changed. The default port is set to 55000.

📺 *Game Room Samsung 🕅	3			
				🗄 🖾 🤜 👼
Details Configure Test				
Configuration Properties	5			
Name	Value	Mandatory	Description	
⊿ General				
Chromecast hostnan	Chromecast1616.local	yes	The hostname of your Ch	romecast device
Network Address	100.10.20.27	no	This is a device configurat	ion property used by ALL HDM adapters
Network Port	55000	no	This is a device configurat	ion property used by ALL HDM adapters
Media Source				
▶ Raw Command				

6. Click the **Save** button

To create a service for the Samsung TV IP Driver:

Click the Services tab, and then click the New Service Instance button .
 The New Service Instance dialog displays.

👪 New	Service Instance					\otimes
Service	Devices Scenes					
Name:	Game Room TV	Area:	Game Roo	m		T
Notes:						
Service	Definition:	Servic	e RF Code:	4		
type fil	ter text					
	Camera Viewer Service v2.0.0					A
	Contact Closure Service (Momentary Open-Close-Stop Servi	ice) v1.0.	0			
	Contact Closure Service (Momentary Open-Close-Stop With	Feedback	<) v1.0.0			
	Contact Closure Service (Momentary with Feedback) v1.0.0					
	Contact Closure Service (Momentary) v1.0.0					
	Contact Closure Service (Toggle with Feedback) v1.0.0					=
	Contact Closure Service (Toggle) v1.0.0					
n 🗅	Distributed Audio Service v2.0.1					
	Door Entry Service v1.0.0					
۵ C	Door Lock Service v1.0.0					
😥 E	Intertainment Service v2.0.0					
- 🦛 F	ireplace Service v1.0.0					
1	Garage Service v1.0.0					
	Gate Service v1.0.0					
68 I	🔒 Intrusion Partition Service v1.1.0					
📃 🕡 L	Ighting Dimmer Service v1.0.0					
E I	inhting Keynad Service v4.0.0					▼
App Mo	dule: Entertainment					
				- <b< td=""><td>ack Next></td><td>Cancel Finish</td></b<>	ack Next>	Cancel Finish

- 2. Enter the name of the service in the **Name** field, select the area, and then click **Entertainment Service**.
- 3. Click **Next** to display the **Devices** tab.

🖾 New Service Instance			\otimes	
Service Devices Scenes				
Compatible Selected (2) All	Req Control Point	Value	Use	
type filter text	* Volume Device	Game Room Samsung		
	Audio On/Off	DirecTV - HR34 & HR44 (device)	~	
Game Room	Display Aspect Control	DirecTV - HR34 & HR44 (device)	~	
Game Room Samsung	Display On/Off	Game Room Samsung		
DirecTV - HR34 & HR44 (device	Source Aspect Control	DirecTV - HR34 & HR44 (device)	~	
▶	Source Aux Commands	Game Room Samsung		
	Source Channel Buttons	DirecTV - HR34 & HR44 (device)	~	
Kitchen	Source Digit Keypad Buttons	DirecTV - HR34 & HR44 (device)	~	
Master Suite	Source DVR Commands	Game Room Samsung		
🔄 📋 Pool / Lanai	Source Function Key Buttons	DirecTV - HR34 & HR44 (device)	~	
a 🔄 Unassigned Devices	Source Guide Buttons	DirecTV - HR34 & HR44 (device)	~	
Access - Gate - On/Off Switch	Source Menu Navigation Buttons	DirecTV - HR34 & HR44 (device)	~	
Audio - CS-BR-1	Source On/Off	Game Room Samsung		
	Source Playback Buttons	DirecTV - HR34 & HR44 (device)	~	
	Source Playlist Buttons	DirecTV - HR34 & HR44 (device)	~	
<back next=""> Cancel Finish</back>				

- 4. In the left panel, select the devices you want to use in the service.
- In the right panel, set the values for each control point.
 Click the Value field to view the drop-down menu and select a device.
- 6. Click **Next** to display the **Scenes** tab.



To configure the scene:

1. In the Start Sequence field, select Create new Scene, and then click the New Device Operation button 😳.



- 2. Configure the **Device**, **Function**, and **Operation** drop-down menus with the following values.
 - **Device**: Samsung TV (IP)
 - Function: Switch (or other desired action)
 - **Operation**: Turn On

Note: This command is sent directly to Chromecast, turning the TV on (via HDMI CEC) and switching to the Chromecast input. You can create a scene to switch inputs.

😟 Edit Service Instance			\otimes
Service Devices Scenes			
▼ Start Sequence			
Uses Scene:			•
Create new Scene:			
Device	Function	Operation	Delay (sec)
Game Room Samsung	Switch	Turn On ()	0.00

- 3. Repeat steps 1 and 2 for each device being used in the scene.
- 4. Go to the **Stop Sequence** field, select **Create new Scene**, and then click the **New Device Operation** button

😟 Edit Service Instance			\otimes
Service Devices Scenes			
Start Sequence			
 Stop Sequence 			
Uses Scene:		Ν	lew Device Operation
Create new Scene:		_	
Device	Function	Operation	Delay (sec)
		<back< td=""><td>Next> Cancel Finish</td></back<>	Next> Cancel Finish

- 5. Configure the **Device**, **Function**, and **Operation** drop-down menus with the following values.
 - Device: Samsung TV (IP)
 - Function: Switch
 - Operation: Turn Off

New Service Instance Service Service				
▼ Start Sequence				
Uses Scene:			v	
Create new Scene:				
Device	Function	Operation	Delay (sec)	
Game Room Samsung	Switch	Turn On ()	0.00	
DirecTV	Switch	Turn On ()	0.00	
Game Room Samsung	Media Source	Next Source ()	0.30	
 Stop Sequence 				
Uses Scene:			v	
Create new Scene:				
Device	Function	Operation	Delay (sec)	
Game Room Samsung	Switch	Turn Off ()	0.00	
DirecTV	Switch	Turn Off ()	0.00	
		<back ne<="" td=""><td>Cancel Finish</td></back>	Cancel Finish	

- 6. Repeat steps 4 and 5 for each device and desired device operation.
- 7. Click Finish.
- 8. Deploy the project.

User interface example

Once you have configured and deployed your project, access the entertainment service created for the projector.

To access the service in the ClareHome app:

- 1. Launch the ClareHome app, and then select your user space.
- 2. Tap **My Devices** to view the inventory page.

3. Tap Entertainment.

📅 My De	vices
Device Ar	ea
Access	Þ
CCTV	►
Climate	►
Entertainment	Þ
Fireplace	Þ
Lighting	Þ
Music	Þ
Scene	Þ
Security	Þ
Shades	Þ
Water	Þ

4. Tap the area that you want to access – for example, Game Room.

– or –

Tap \bigcirc to add the area to your space. Return to your space and tap \bigcirc to access the service.

Note: We only recommend adding the service to your space if the service is regularly used.

<	Entertainment	
	Add New Device Icon	
ă	Game Room	•
ă	Cable	•
ă	Garage Entertainment	•

5. The area displays.

6. Tap **Sources** in the top-right corner, and then tap **Game Room Samsung**.

	Rooms	Family Room	Off	X
(Watch Bluray]		
	Watch Cable			
				Sources

7. The service entertainment remote displays.



Note: The buttons on the virtual Clare Controls remote correspond with the configured Samsung TV and DirecTV control points.

Contact information

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