



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.

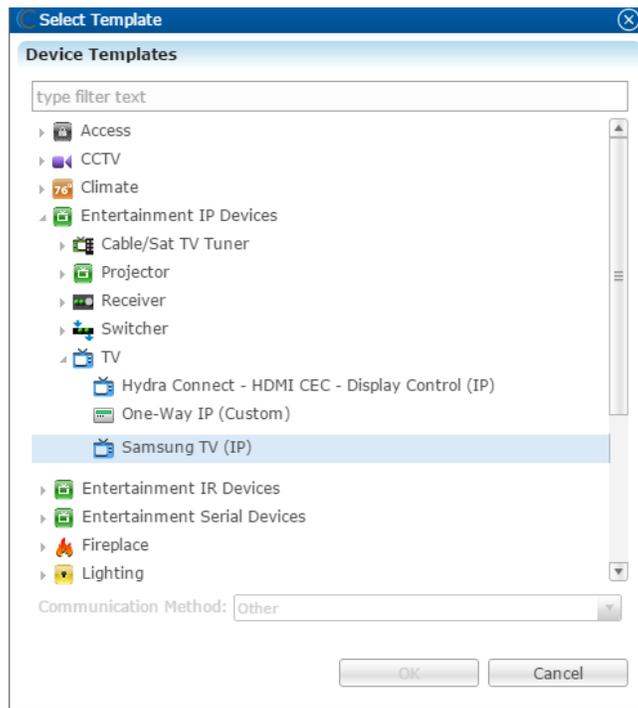
Fusion configuration

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.



3. 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.

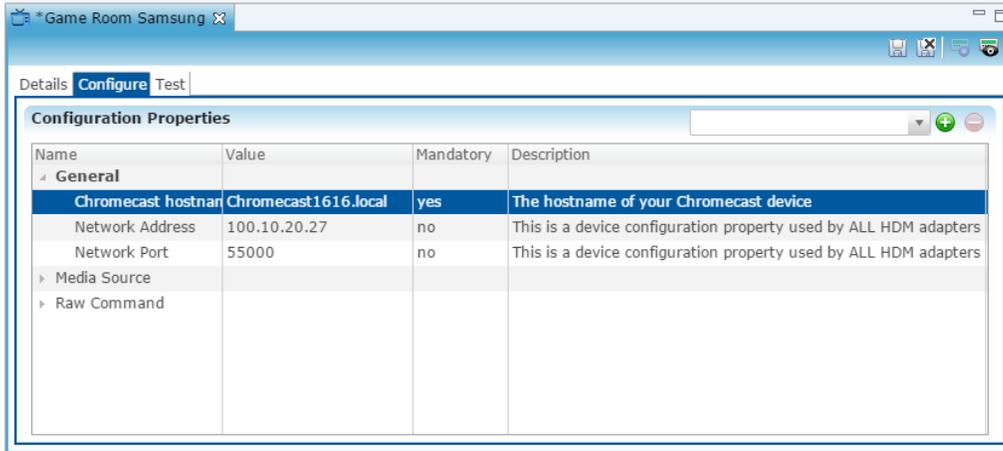


5. Click the **Configure** tab, and then configure the field as follows.

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.

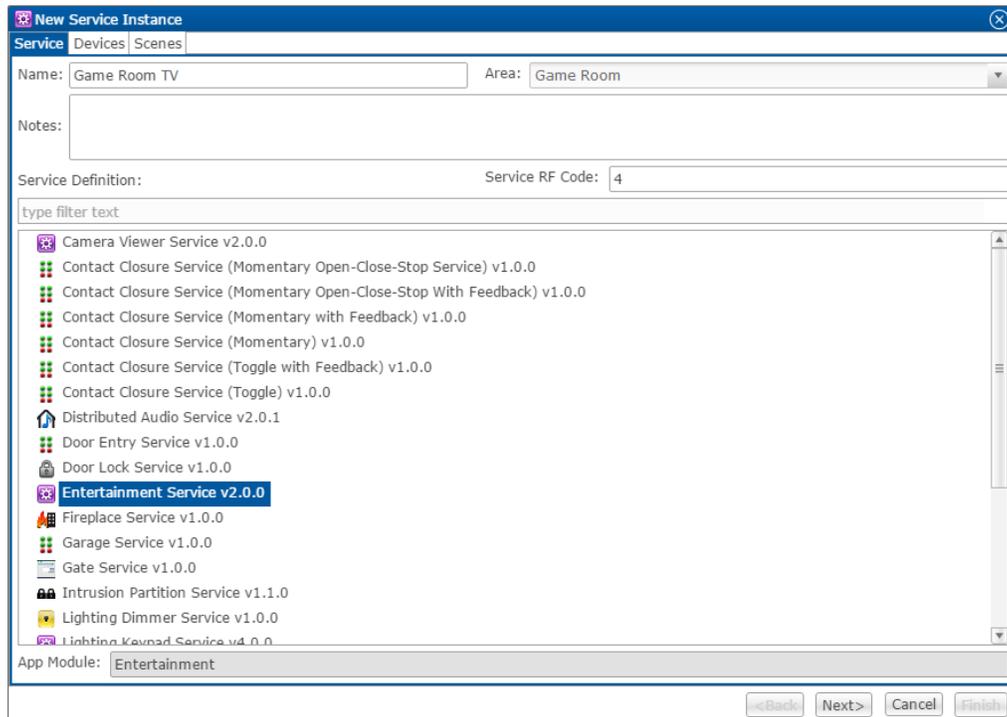


6. Click the **Save** button .

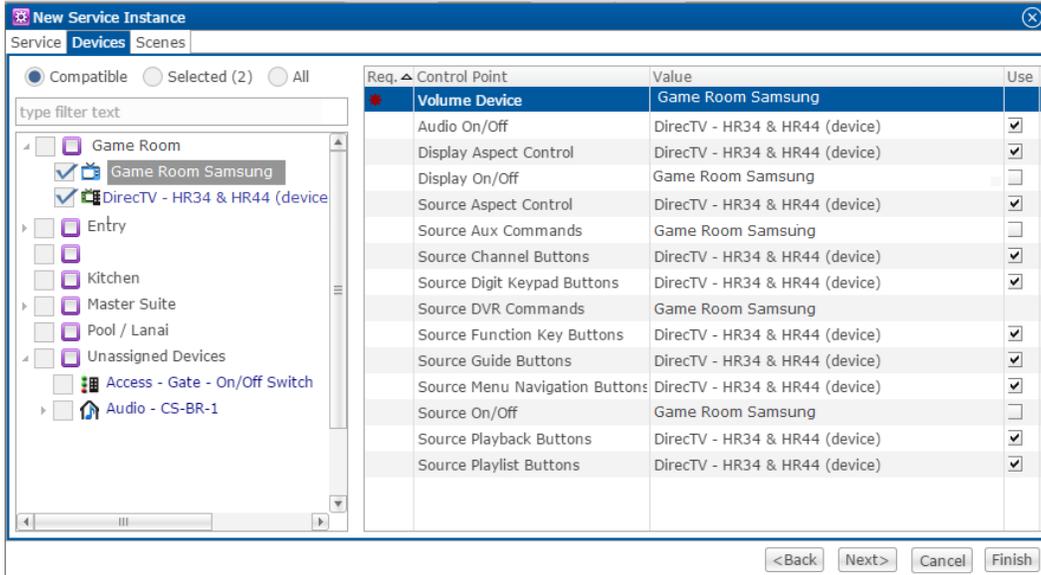
To create a service for the Samsung TV IP Driver:

1. Click the **Services** tab, and then click the **New Service Instance** button .

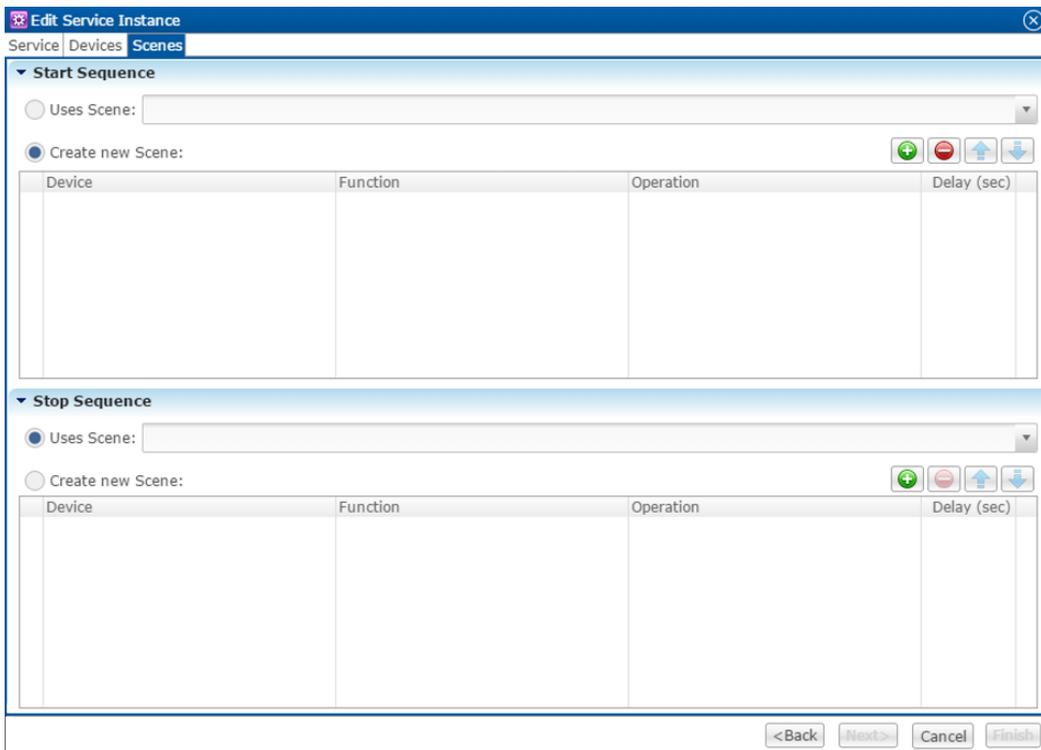
The New Service Instance dialog displays.



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.

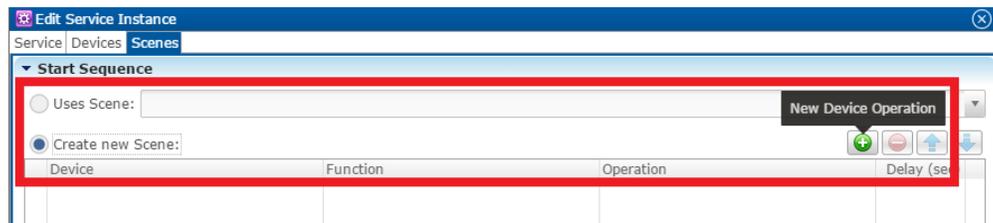


4. In the left panel, select the devices you want to use in the service.
5. In the right panel, set the values for each control point.
Click the **Value** field to view the drop-down menu and select a device.
6. Click **Next** to display the **Scenes** tab.



To configure the scene:

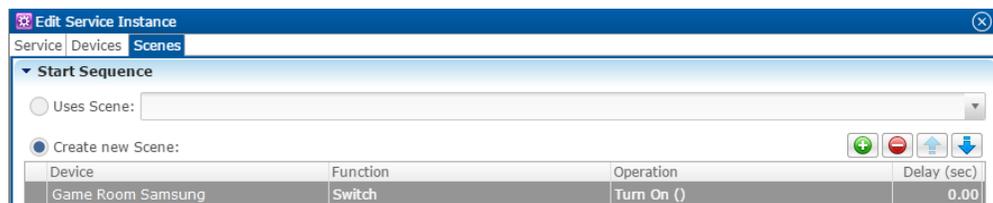
1. In the **Start Sequence** field, select **Create new Scene**, and then click the **New Device Operation** button .



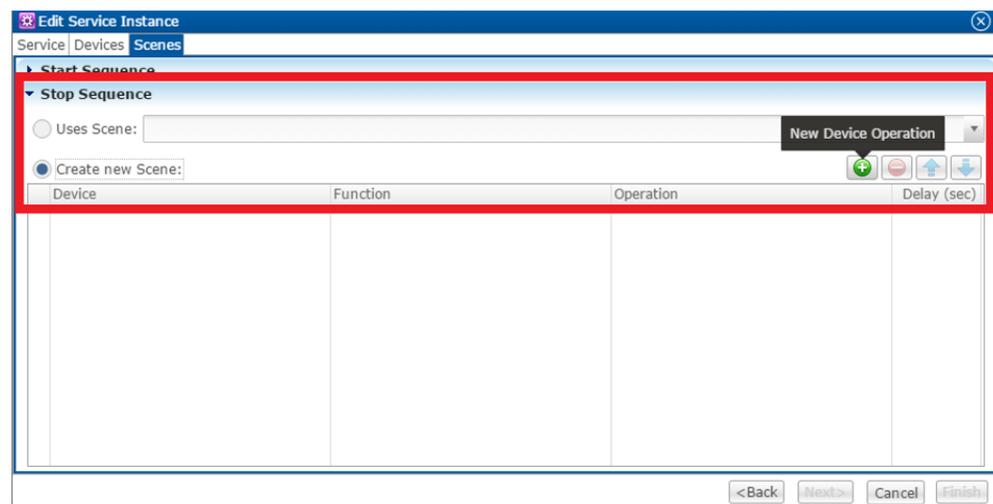
2. Configure the **Device**, **Function**, and **Operation** drop-down menus with the following values.

- **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.



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 .



5. Configure the **Device**, **Function**, and **Operation** drop-down menus with the following values.

- **Device:** Samsung TV (IP)
- **Function:** Switch
- **Operation:** Turn Off

The screenshot shows the 'New Service Instance' configuration window with the 'Scenes' tab selected. It contains two sections: 'Start Sequence' and 'Stop Sequence'. Each section has a 'Uses Scene' dropdown and a 'Create new Scene' radio button. The 'Start Sequence' table lists three items: 'Game Room Samsung' (Switch, Turn On, 0.00), 'DirecTV' (Switch, Turn On, 0.00), and 'Game Room Samsung' (Media Source, Next Source, 0.30). The 'Stop Sequence' table lists two items: 'Game Room Samsung' (Switch, Turn Off, 0.00) and 'DirecTV' (Switch, Turn Off, 0.00). Navigation buttons '< Back', 'Next >', 'Cancel', and 'Finish' are at the bottom.

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

Device	Function	Operation	Delay (sec)
Game Room Samsung	Switch	Turn Off ()	0.00
DirecTV	Switch	Turn Off ()	0.00

6. Repeat steps 4 and 5 for each device and desired device operation.

7. Click **Finish**.

8. Deploy the project.

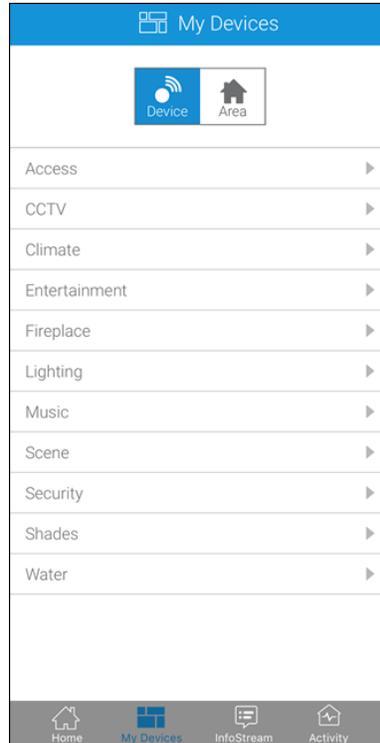
User interface example

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**.

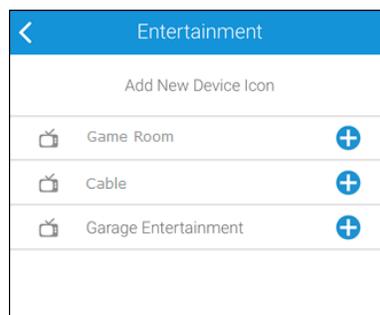


4. Tap the area that you want to access – for example, Game Room.

– or –

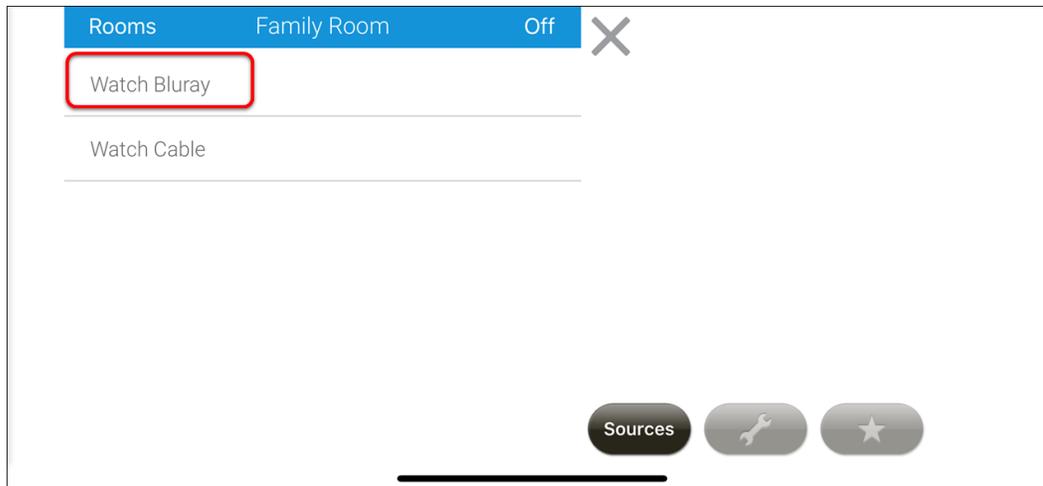
Tap  to add the area to your space. Return to your space and tap  to access the service.

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

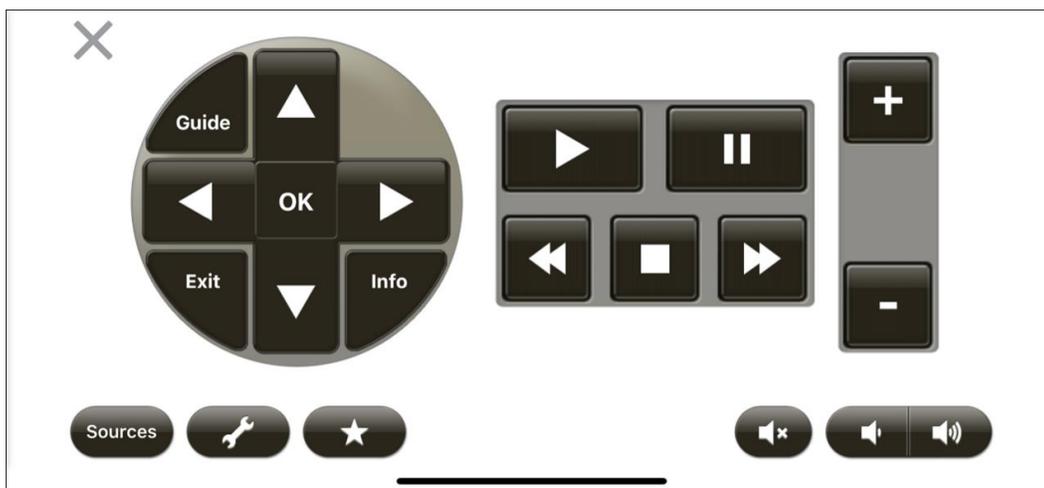


5. The area displays.

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



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.

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