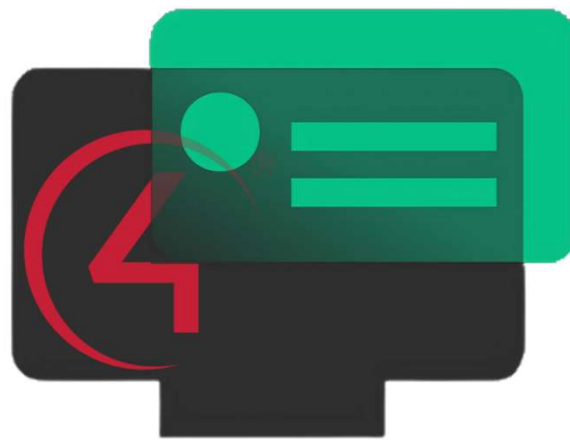




Android TV Notification for Control4

INSTALLATION AND USAGE GUIDE

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Install TV Overlay App

1. Install TvOverlay on your Android TV via [PlayStore](#)



2. Run TvOverlay and finish all setup steps:

- Draw over other apps permission: Permission required to create an overlay. Depending on the Android version and manufacturer this option may not be available on a system setting menu. In this case, you will have to enable it via ADB command. After [enabling ADB on your AndroidTV](#), you can send the command using TvOverlay Remote or any other app or computer software that sends ADB commands. The ADB command is:

adb shell appops set com.tabdeveloper.tvoverlay SYSTEM_ALERT_WINDOW allow

- Battery optimization: This step is optional but recommended to avoid the app being killed by the system. If you cannot access the system option to disable battery optimization, you may have to enable it via ADB command. After [enabling ADB on your AndroidTV](#), you can send the command using TvOverlay Remote or any other app or computer software that sends ADB commands. The ADB command is:

adb shell dumpsys deviceidle whitelist +com.tabdeveloper.tvoverlay

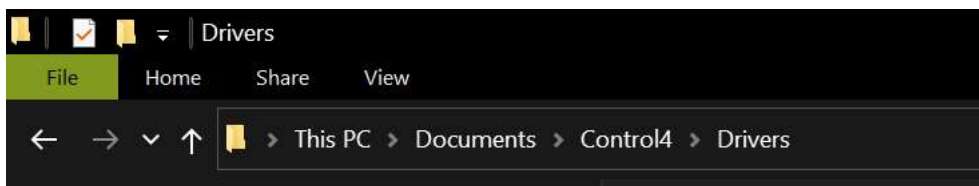
Driver Setup

1. Add Driver files into Composer.

- a. Make sure you have downloaded and installed the latest version of Composer Pro from [dealer portal](#)
- b. Download latest driver files from Email Zip File. or from this [download link](#)



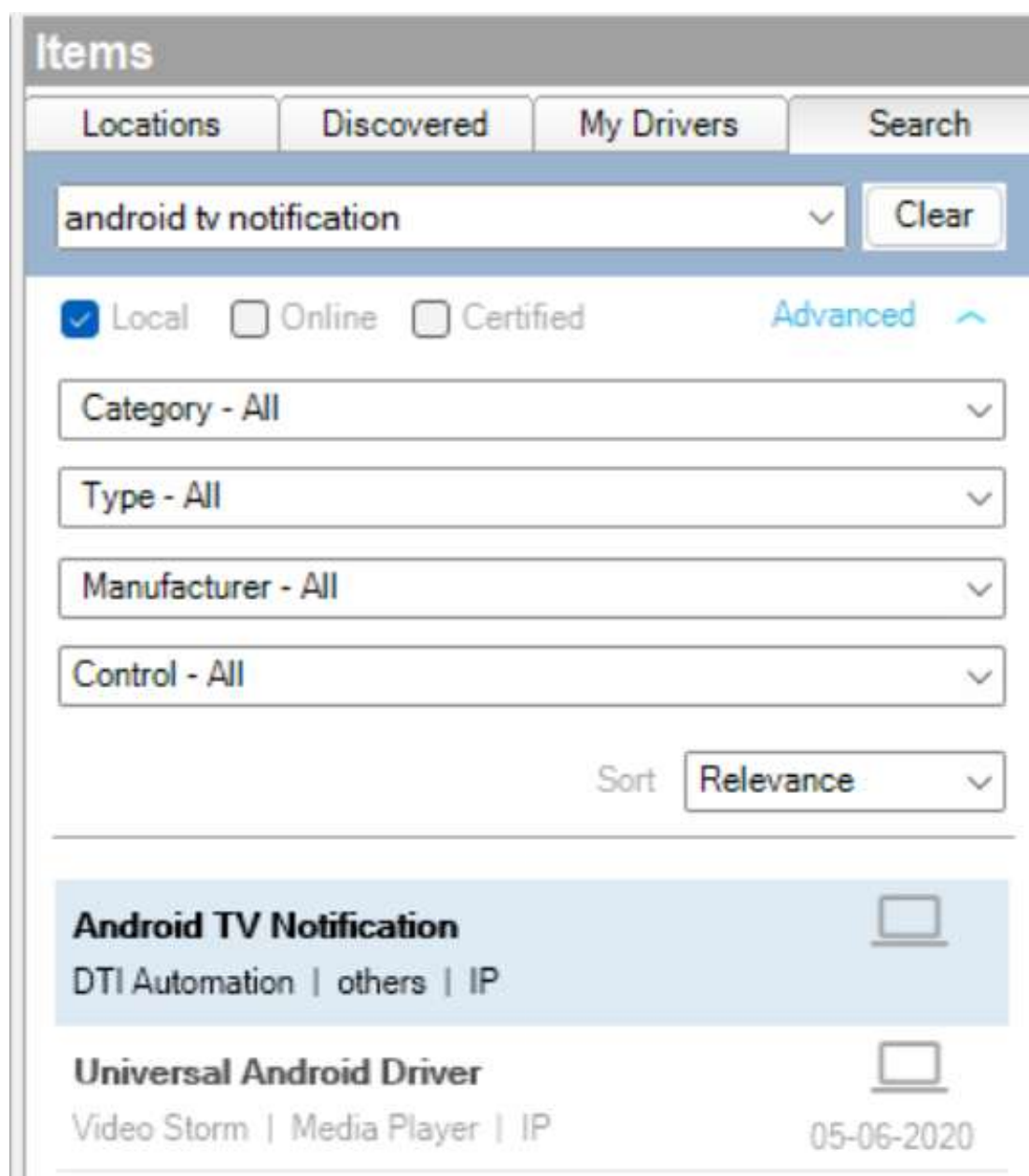
- c. The driver you have downloaded will be in a zip file. Double click on this file to open it in your preferred zip program (WinZip, WinRAR, etc.).
- d. put the c4i file to My Documents\Control4\Drivers directory. If you are using Windows 7/8 this will be extracted to the libraries\Documents\Control4\Drivers directory.
- e. You are now ready to add and configure the driver via the Composer Pro software.



- f. Note: While copy pasting driver into driver folder, ensure you overwrite with older version, don't create multiple copies. Multiple copies of the driver lead to error in updates.

2. Add Light Driver into Project

- Launch the Composer Pro application and connect to your project.
- In the System Design' page select the 'Search' tab on the right-hand side. Make sure the locale is selected.
- Type in 'Android TV Notification' in the search field.
- Double click on the 'Android TV Notification' driver to add it to your project.
- Once it is added, you can rename the driver as per your requirements.



- f. Once you added the desired driver, navigate to properties tab of driver.
- g. Insert Activation key
- h. Insert Device IP address in Device IP address tab, make sure you have made this IP static for the TV
- i. Insert 5001 into Device Port tab

The screenshot displays the 'System Design' software interface. On the left, the 'System' tree shows a project structure with a 'Main' node containing several devices. The 'Android TV Notification' device is selected and highlighted in blue. On the right, the 'Properties' panel is open, showing various configuration options for the selected device.

System Design Interface:

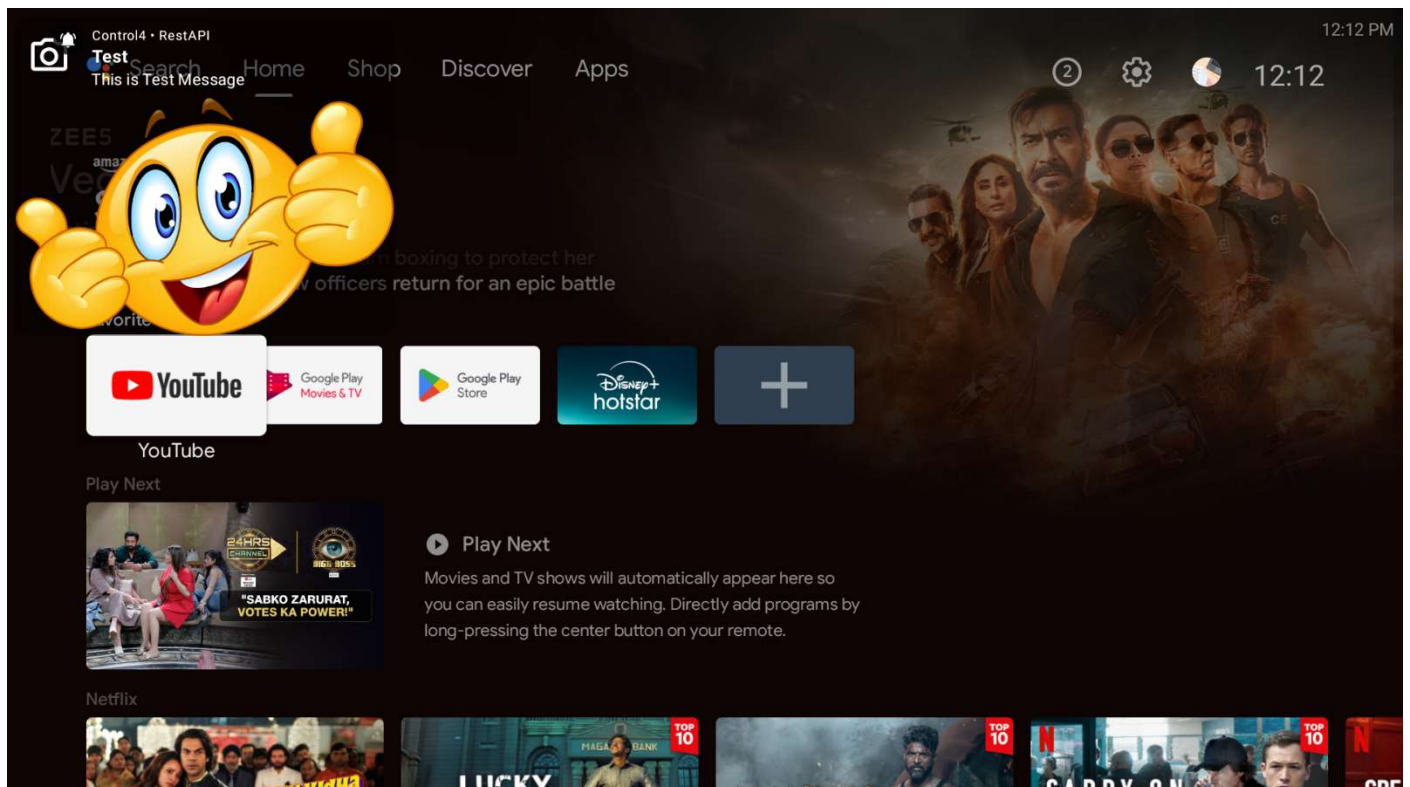
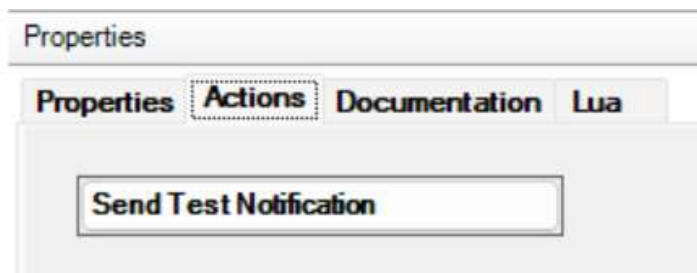
- File** **Driver** **Go** **Tools** **Feedback** **Help**
- System Design**
- System**
- Properties** (tab selected)
- Summary** (tab)

Properties Panel:

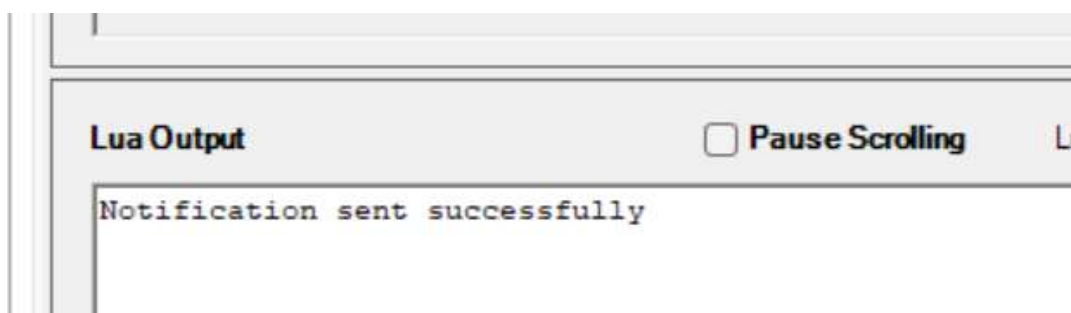
Properties	Actions	Documentation	Lua
Activation Key			
Activation Status			
Cloud Status		Trial Running, 30 Days Remaining	
Primary MAC		000FFF9E2B4C	
Automatic Updates		Off	
***** Android Device Information *****			
Device IP Address		192.168.1.248	
Device Port		5001	
***** Notification Parameters *****			
Hot Corner		Top Start	
Clock Visibility		95	
Notification Visibility		95	
Allow Notifications		Yes	
Notification Layout		Default	
Notification Duration		0	

3. Send Test Notification

- a. Navigate to Actions tab and click on Send Test Notification, you'll see smiley face icon notification.



- b. it will reflected into LUA Output as below.



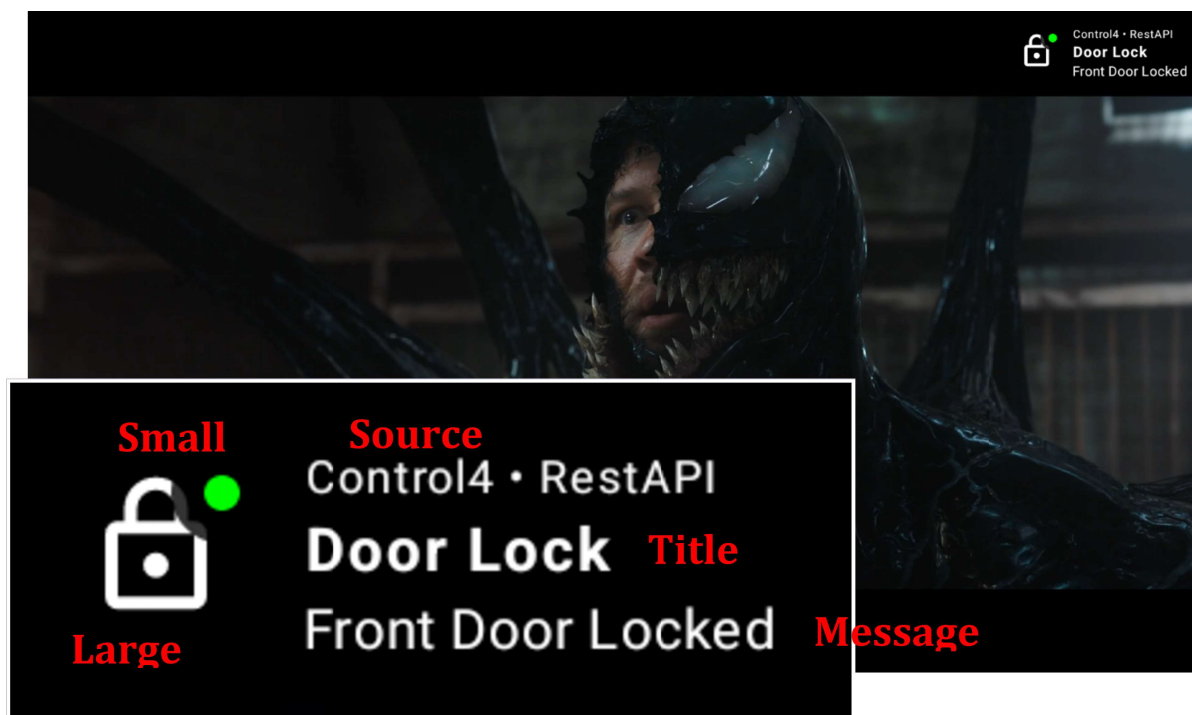
Use Cases

1. Door Lock Opened/Closed

To set the Door Open/Close Notification on TV here are the steps

- In Composer, go to Programming section and select Door Sensor Event
- On right hand side select Android TV Notification Driver
- Select "Send Text Notification" in Device Specific Command as shown below.

Commands			Conditionals	Loops
Device Specific Command				
Send Text Notification				
Title	Door Lock			
Message	Front Door Locked			
Source	Control4			
Large Icon	mdi:lock-outline			
Small Icon	mdi:record			
Small Icon Color	 R: 255 G: 0 B: 0			
Time	10			
Corner	Top End			
Pause Media	No			



1. **Title:** Displays the main title of the notification.
2. **Message:** The text you want to display in the notification.
3. **Source:** Information displayed as the source above the title.
4. **Large Icon:** The primary icon for the notification.
5. **Small Icon:** A smaller icon to complement the notification.
6. **Small Icon Colour:** The colour applied to the small icon.
7. **Time:** Specifies the duration (in seconds) the notification will remain on the screen. If set to zero, the notification will not display.
8. **Corner:** Determines which corner of the screen the notification appears.
9. **Pause Media:** Option to pause media playback (currently unsupported; always select "NO").

You can insert any URL of the icon, but for best performance visit <https://mdi.bessarabov.com/> and choose any icon you want and paste MDI link in icon tab as shown below.

weather-fog

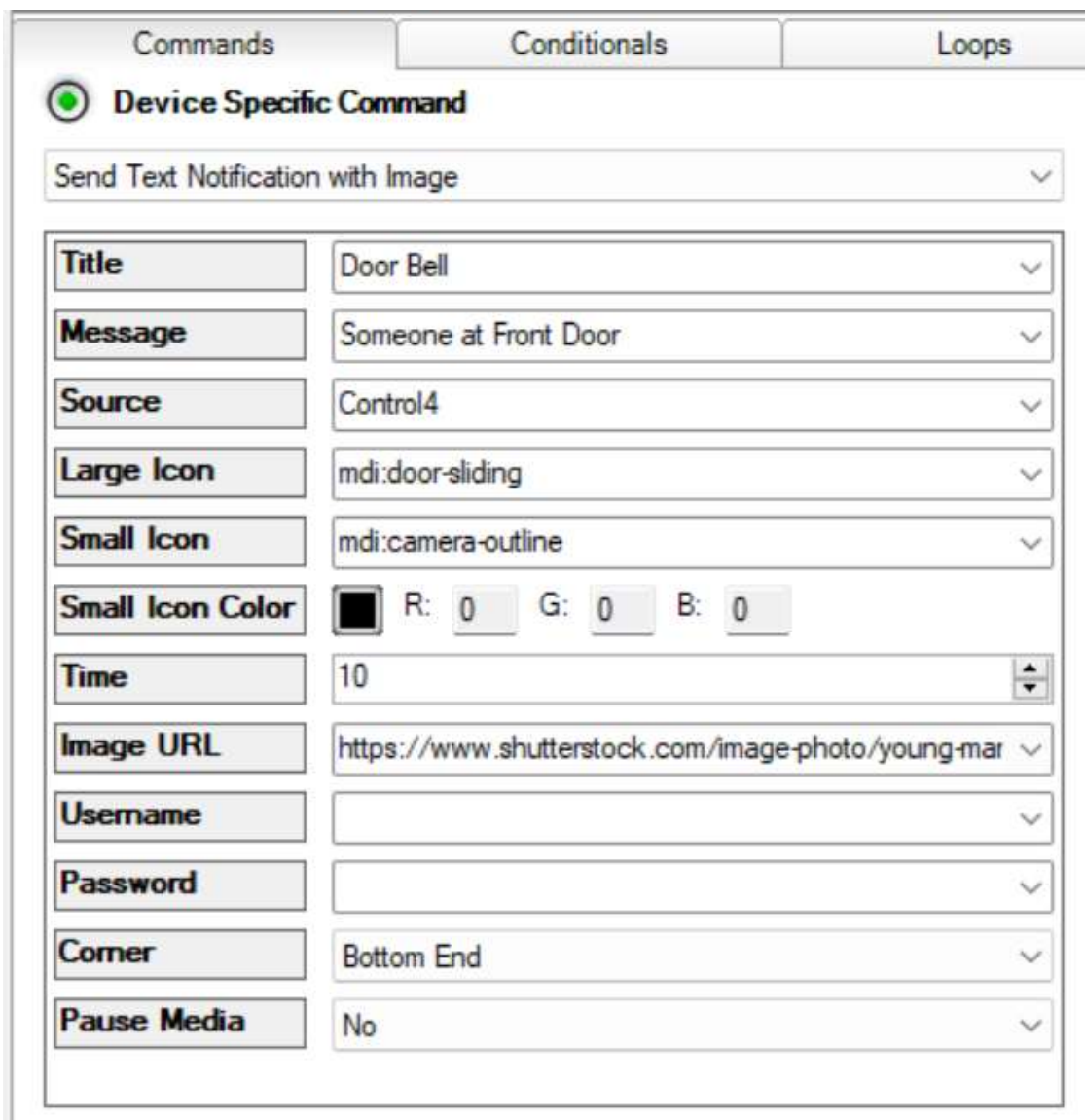


Tags:

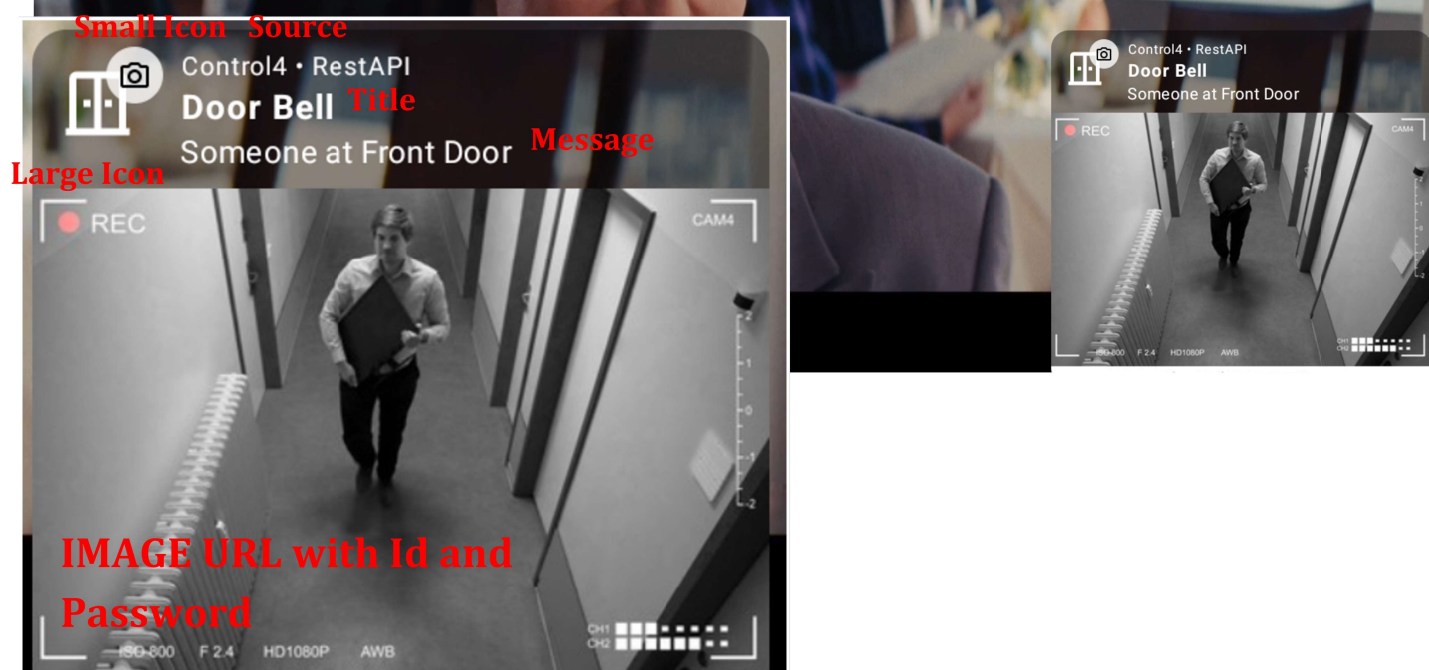
2. Camera Image notification when door Opened

If you want to show snapshot from a camera on screen when someone pressed the doorbell.

- a. To do such, navigate to events for motion sensor and select when motion sensor detects motion event.
- b. On right hand side select Android TV Notification Driver
- c. Select Send Text Notification with Image Option for this.
- d. Let's understand all properties we have here.



Commands			Conditionals	Loops
Device Specific Command				
Send Text Notification with Image				
Title	Door Bell			
Message	Someone at Front Door			
Source	Control4			
Large Icon	mdi:door-sliding			
Small Icon	mdi:camera-outline			
Small Icon Color	 R: 0 G: 0 B: 0			
Time	10			
Image URL	https://www.shutterstock.com/image-photo/young-mar			
Username				
Password				
Corner	Bottom End			
Pause Media	No			



1. **Title:** Displays the main title of the notification.
2. **Message:** The text you want to display in the notification.
3. **Source:** Information displayed as the source above the title.
4. **Large Icon:** The primary icon for the notification.
5. **Small Icon:** A smaller icon to complement the notification.

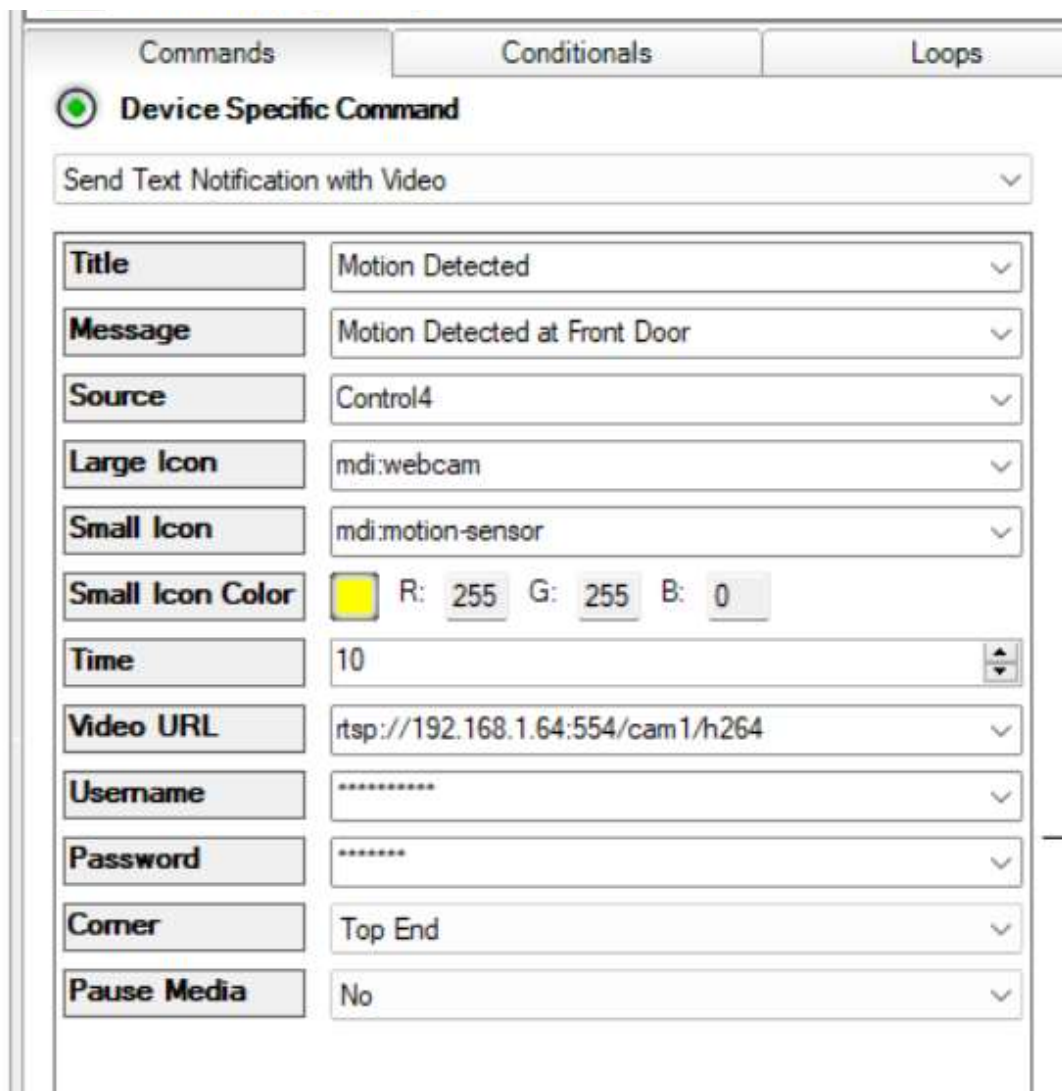
you can insert any URL of the icon, but for best performance visit <https://mdi.bessarabov.com/> and choose any icon you want and paste MDI link in icon tab as shown below.

6. **Small Icon Colour:** The colour applied to the small icon.
7. **Time:** Specifies the duration (in seconds) the notification will remain on the screen. If set to zero, the notification will not display.
8. **Image URL:** Please insert link of Image along with username and password
9. **Corner:** Determines which corner of the screen the notification appears.
10. **Pause Media:** Option to pause media playback (currently unsupported; always select "NO").

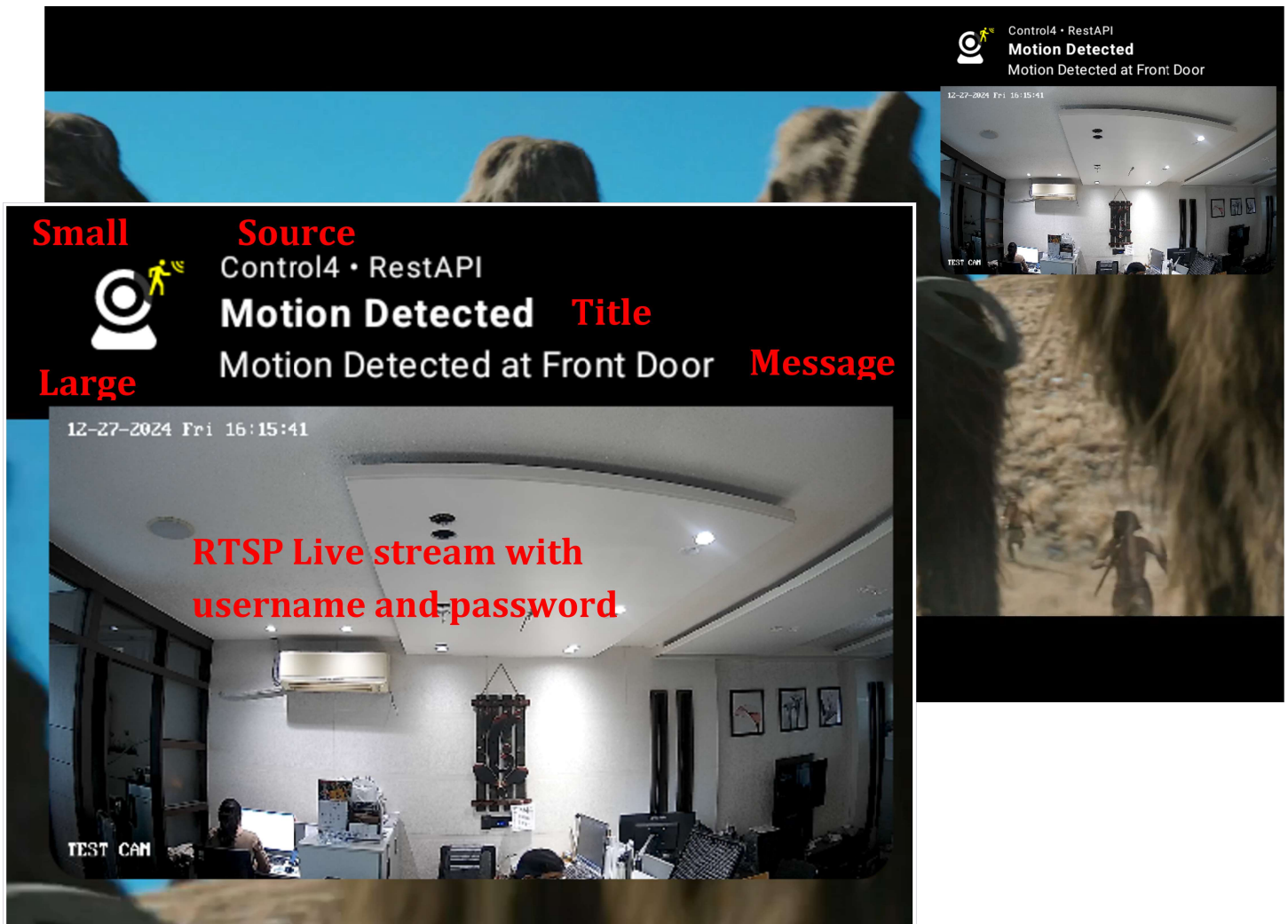
3. Camera Video Live Stream notification when motion detected

If you want to show video stream from a camera on screen when particular motion sensor detects the motion you can do this with this amazing option named Send text notification with video.

- To do such navigate to events for motion sensor and select when motion sensor detects motion event.
- On right hand side select Android TV Notification Driver
- Select Send Text Notification with Video Option for this.
- Let's understand all properties we have here.



Commands		Conditionals	Loops
Device Specific Command			
Send Text Notification with Video			
Title	Motion Detected		
Message	Motion Detected at Front Door		
Source	Control4		
Large Icon	mdi:webcam		
Small Icon	mdi:motion-sensor		
Small Icon Color	 R: 255 G: 255 B: 0		
Time	10		
Video URL	rtsp://192.168.1.64:554/cam1/h264		
Username	*****		
Password	*****		
Corner	Top End		
Pause Media	No		



1. **Title:** Displays the main title of the notification.
2. **Message:** The text you want to display in the notification.
3. **Source:** Information displayed as the source above the title.
4. **Large Icon:** The primary icon for the notification.
5. **Small Icon:** A smaller icon to complement the notification.

you can insert any URL of the icon, but for best performance visit <https://mdi.bessarabov.com/> and choose any icon you want and paste MDI link in icon tab as shown below.

6. **Small Icon Colour:** The colour applied to the small icon.
7. **Time:** Specifies the duration (in seconds) the notification will remain on the screen. If set to zero, the notification will not display.
8. **Video URL:** Please insert rts link of video along with username and password
9. **Corner:** Determines which corner of the screen the notification appears.
10. **Pause Media:** Option to pause media playback (currently unsupported; always select "NO").

4. Lighting Notification

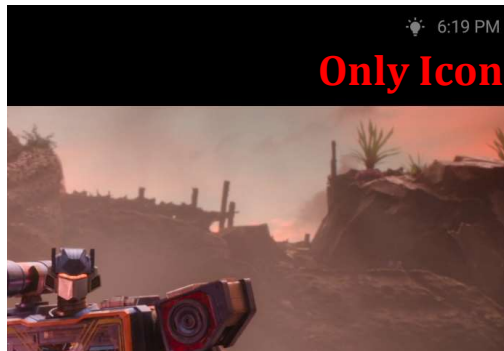
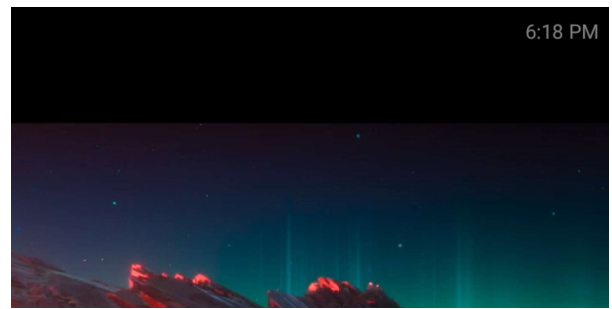
If we want fixed notification like notify about lights are on or weather notification you can use this fixed notification.

- To do such navigate to events for motion sensor and select when motion sensor detects motion event.
- On right hand side select Android TV Notification Driver
- Select Send Send Fixed Notification Option for this.

The screenshot shows the 'Android_TV_Overlay Actions' configuration window. The 'Commands' tab is selected, and the 'Send Fixed Notification: Testing in Room->Android_TV_Overlay' action is chosen. Below the action name, there are three tabs: 'Commands', 'Conditionals', and 'Loops'. The 'Device Specific Command' section is expanded, showing a dropdown menu for 'Send Fixed Notification'. Below this, there are several properties that can be configured:

Property	Value
ID	Testing
Visible	Yes
Message	Light On
Message Color	R: 192 G: 192 B: 192
Icon	mdi:lightbulb-on
Icon Color	R: 64 G: 128 B: 128
Border Color	R: 0 G: 0 B: 0
Background Color	R: 0 G: 0 B: 0
Shape	Circle

- Let's understand all properties we have here.



1. **ID:** This is unique identifier of any fixed notification, You can make it as per your requirement for your reference.
2. **Visible:** This is Status of notifications, if you want to show notification set it to YES and if you want to hide it set it to NO
3. **Message:** The text you want to display in the notification.
4. **Message Colour:** The colour applied to the message.
5. **Icon:** A smaller icon to complement the notification.

you can insert any URL of the icon, but for best performance visit <https://mdi.bessarabov.com/> and choose any icon you want and paste MDI link in icon tab as shown below.

6. **Icon Colour:** The colour applied to the small icon.
7. **Border Colour:** The colour applied to the Border.
8. **Background Colour:** The colour applied to the Background.
9. **Shape:** You can choose desired shape of notification.

Developer Information



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Driver Support

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