

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
```

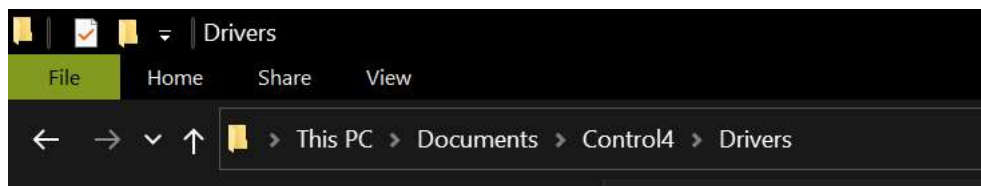
Driver Setup

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](#)



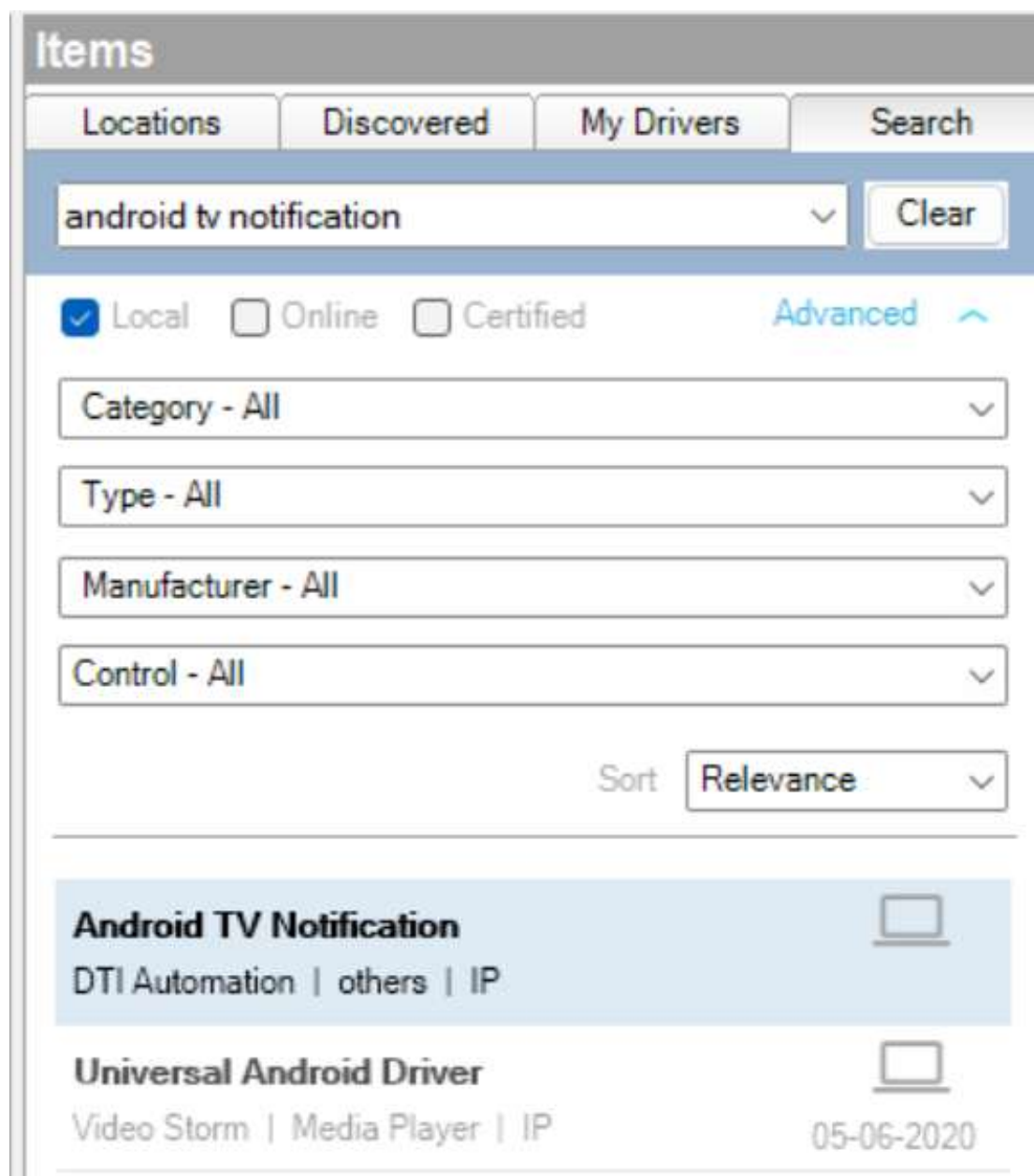
- c. The driver you have downloaded will be in a zip file. Double click on this file to open it in your preferred zip program (WinZip, WinRAR, etc.).
- d. put the c4i file to My Documents\Control4\Drivers directory. If you are using Windows 7/8 this will be extracted to the libraries\Documents\Control4\Drivers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

- a. Launch the Composer Pro application and connect to your project.
- b. In the System Design' page select the 'Search' tab on the right-hand side. Make sure the locale is selected.
- c. Type in 'Android TV Notification' in the search field.
- d. Double click on the 'Android TV Notification' driver to add it to your project.
- e. 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 shows a software interface with two main panels. The left panel, titled 'System Design', contains a hierarchical tree view of a system. The right panel, titled 'Properties', displays the configuration for the selected 'Android TV Notification' driver.

System Design Tree:

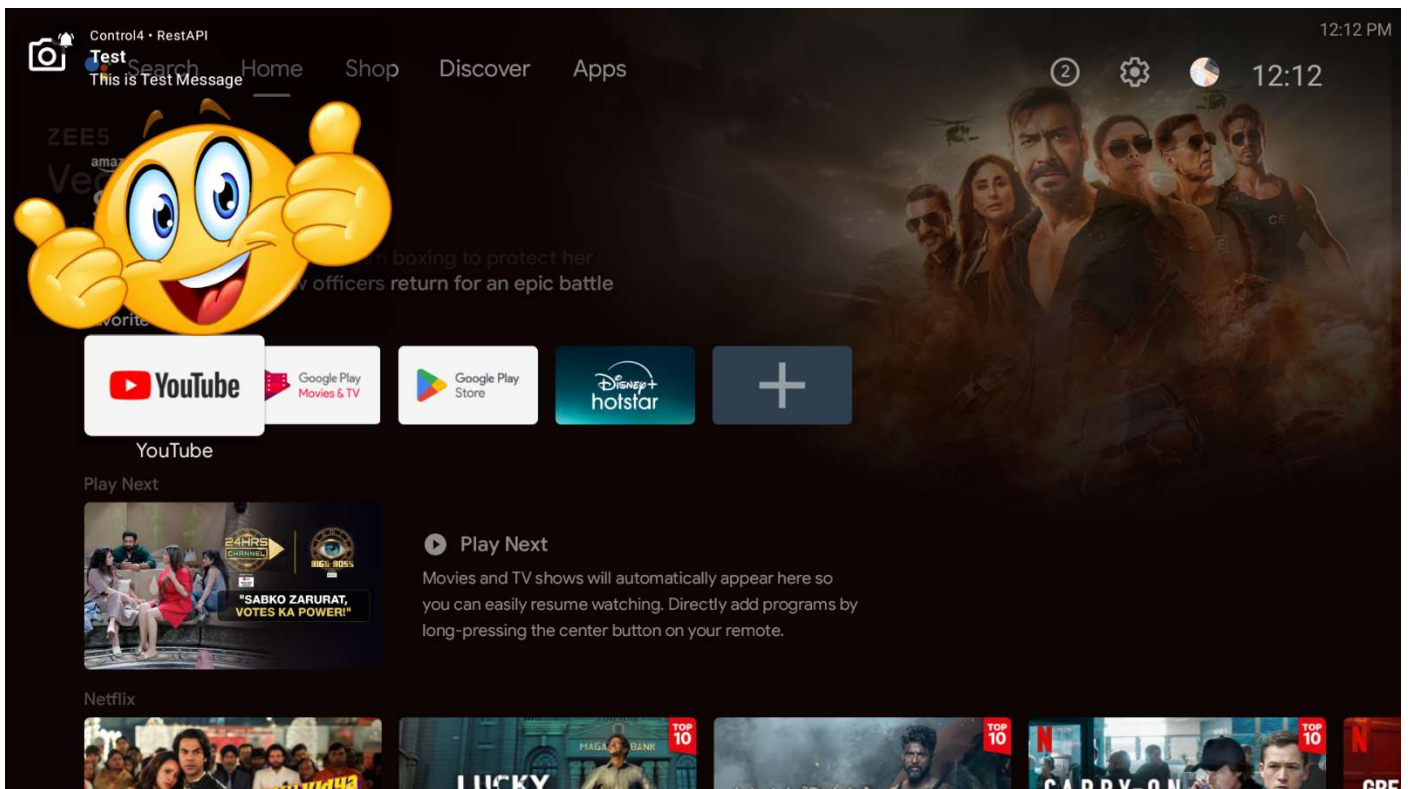
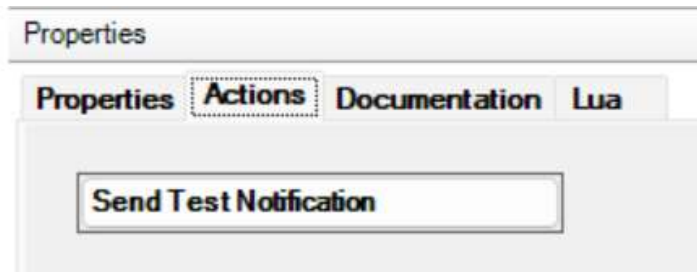
- New Project
 - Home
 - House
 - Main
 - Apple TV Dev
 - Android TV Dev
 - Sony Television 2
 - Variable Parser
 - Android_TV_HA
 - Hikvision Static IPC Camera
 - Hikvision PTZ IPC Camera
 - Android TV Notification**
 - Room
 - KNX Testing
 - Building
 - First
 - Living

Properties Panel:

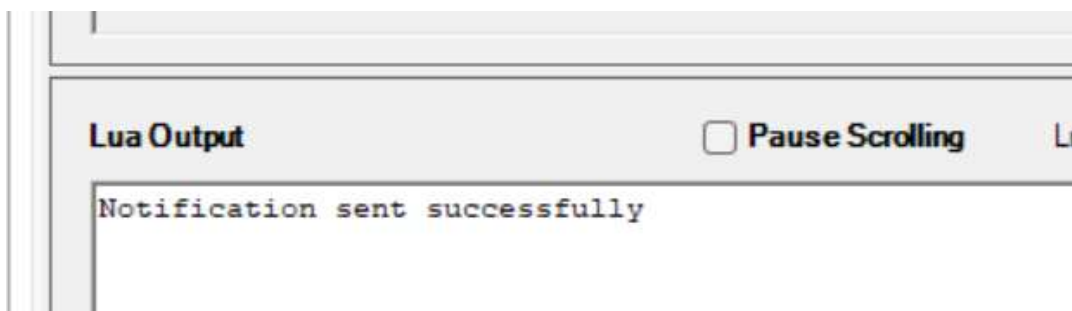
Properties	
Activation Key	<input type="text"/>
Activation Status	<input type="text"/>
Cloud Status	Trial Running, 30 Days Remaining
Primary MAC	000FFF9E2B4C
Automatic Updates	Off
***** Android Device Information *****	
Device IP Address	192.168.1.248
Device Port	5001
***** Notification Parameters *****	
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.

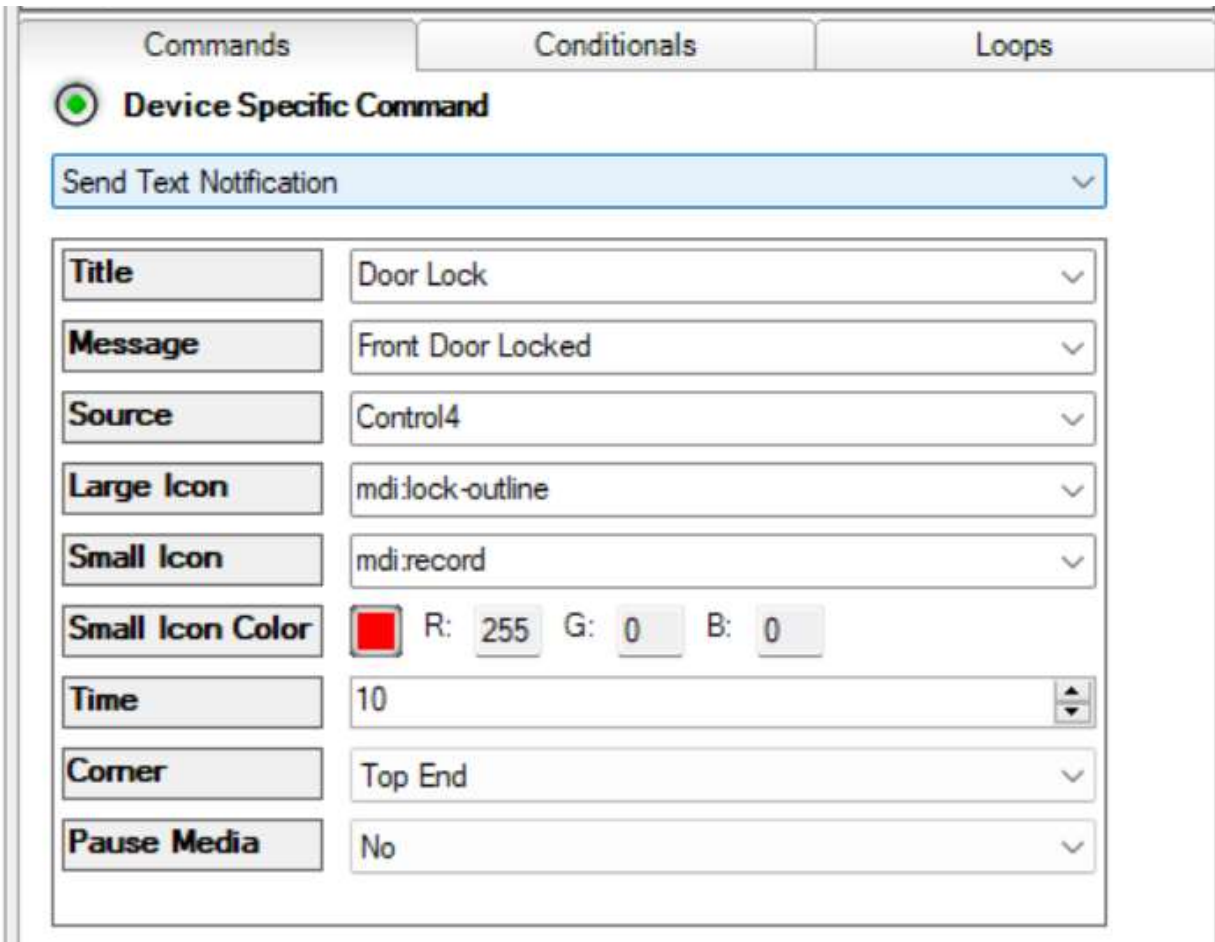


Use Cases

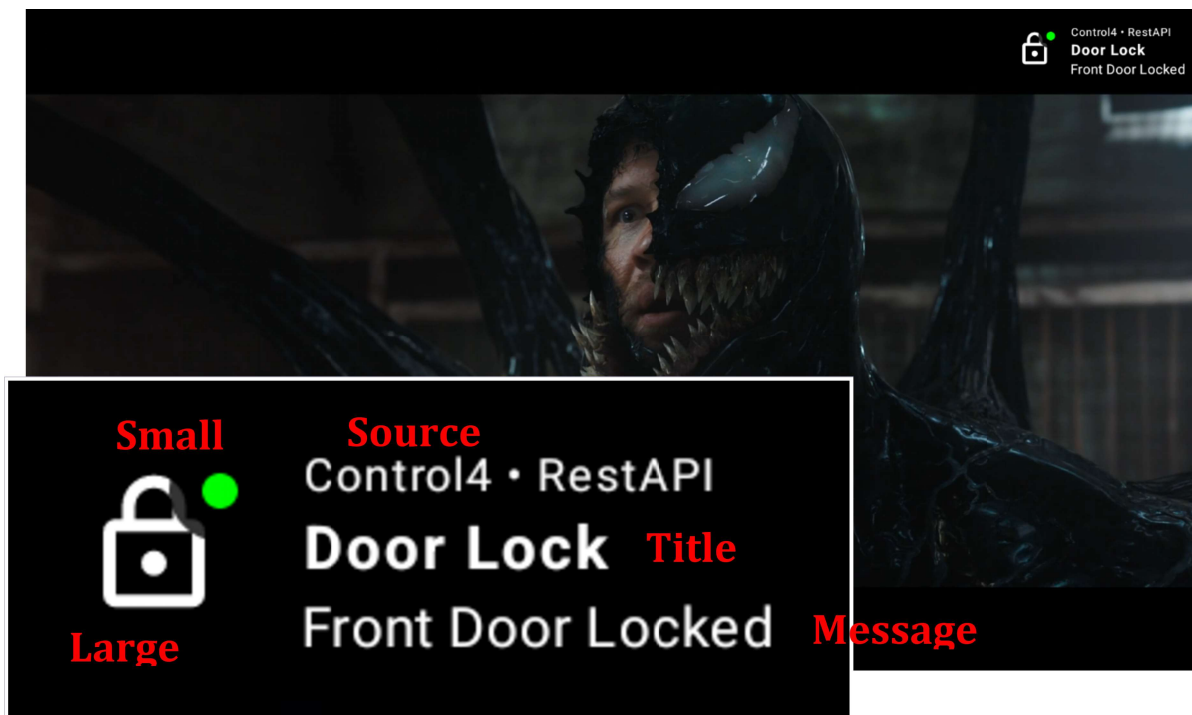
1. Door Lock Opened/Closed

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: weather

weather-fog

mdi:weather-fog

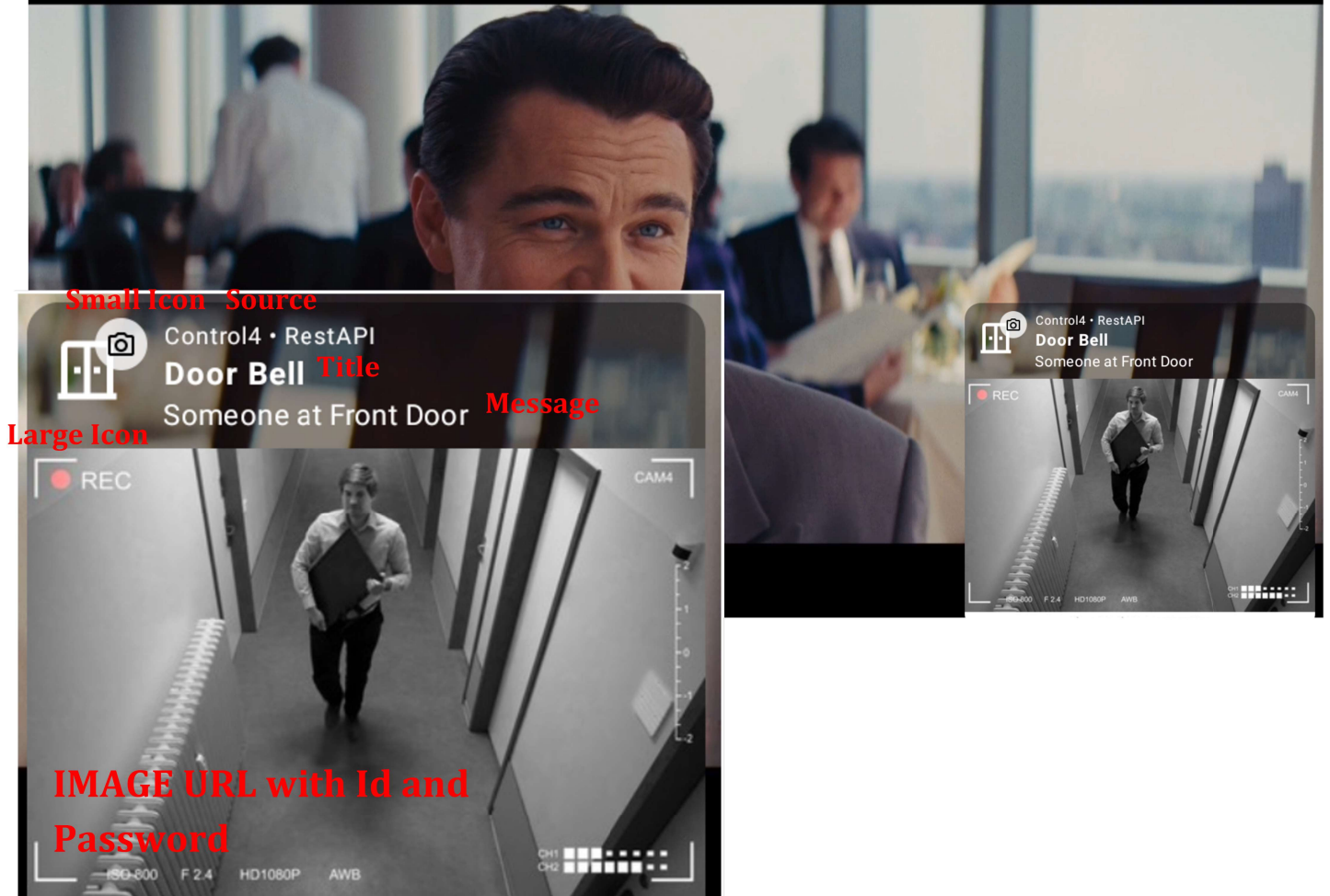
2. Camera Image notification when door Opened

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.

The screenshot shows a configuration window for a 'Device Specific Command'. The window has three tabs: 'Commands', 'Conditionals', and 'Loops'. The 'Commands' tab is selected, and a green circle icon is next to the title 'Device Specific Command'. Below the title is a dropdown menu set to 'Send Text Notification with Image'. The main area contains a list of properties, each with a label on the left and a value on the right, often with a dropdown arrow. The properties are: Title (Door Bell), Message (Someone at Front Door), Source (Control4), Large Icon (mdi:door-sliding), Small Icon (mdi:camera-outline), Small Icon Color (a black color swatch followed by R: 0, G: 0, B: 0), Time (10), Image URL (https://www.shutterstock.com/image-photo/young-mar), Username (empty), Password (empty), Corner (Bottom End), and Pause Media (No).

Property	Value
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").

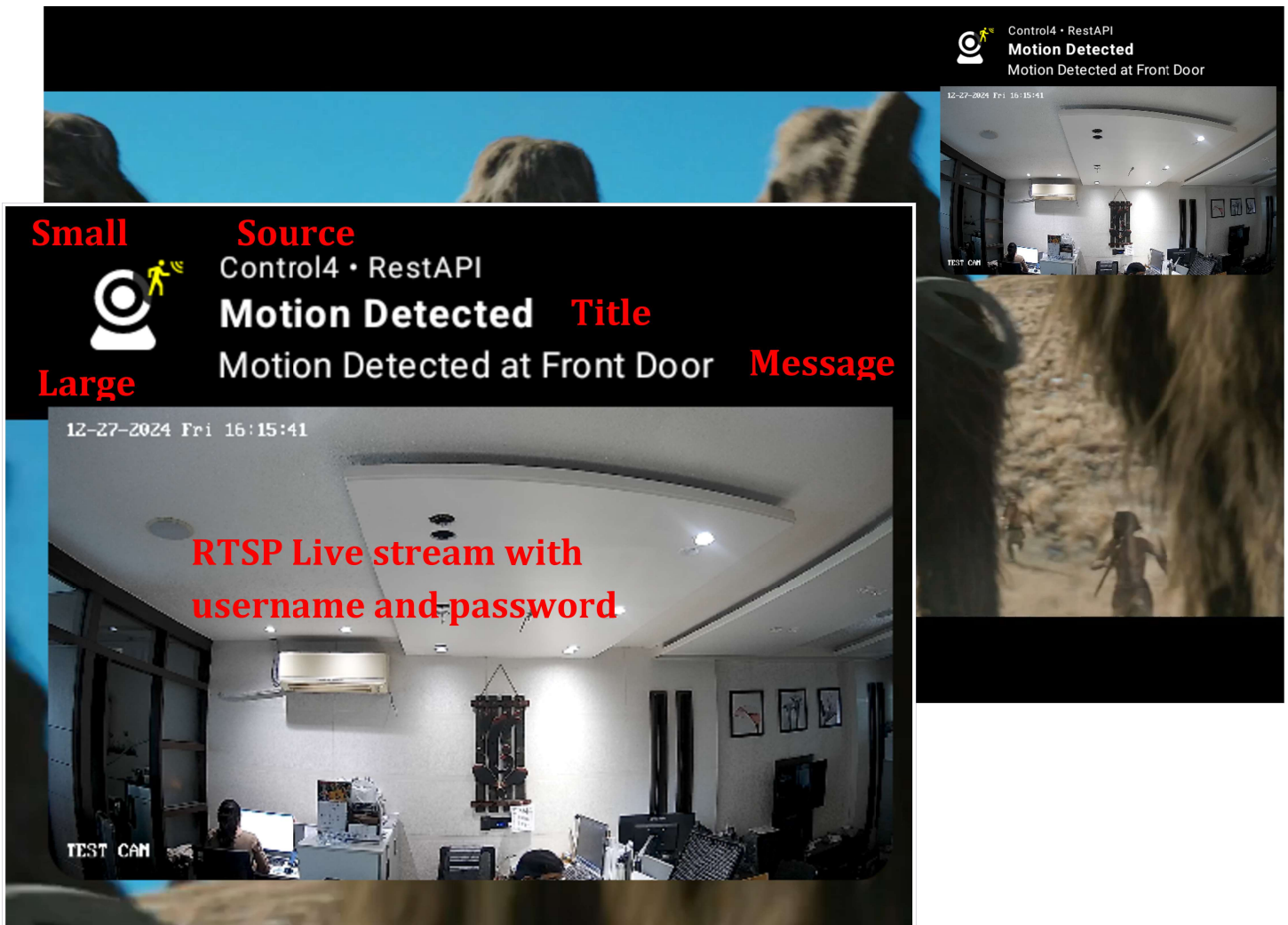
3. Camera Video Live Stream notification when motion detected

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.

- 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 Video Option for this.
- d. Let's understand all properties we have here.

The screenshot shows a configuration window titled 'Device Specific Command' with three tabs: 'Commands', 'Conditionals', and 'Loops'. The 'Commands' tab is active, showing a dropdown menu with 'Send Text Notification with Video' selected. Below this, there is a table of configuration options:

Title	Motion Detected
Message	Motion Detected at Front Door
Source	Control4
Large Icon	mdi:webcam
Small Icon	mdi:motion-sensor
Small Icon Color	<input type="color" value="#ffff00"/> 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

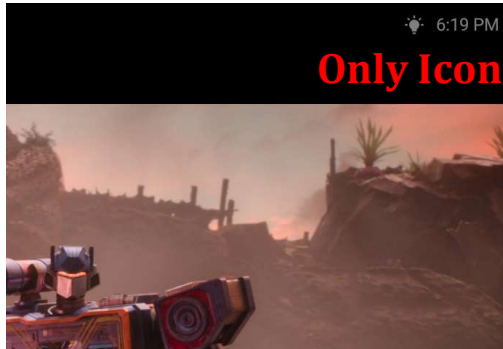
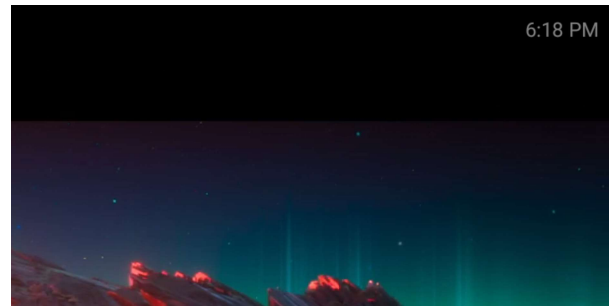
If we want fixed notification like notify about lights are on or weather notification you can use this fixed notification.

- 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 Send Fixed Notification Option for this.

The screenshot shows the configuration interface for an Android TV Overlay Action. The window title is "Android_TV_Overlay Actions". The main action is "Send Fixed Notification: Testing in Room->Android_TV_Overlay". Below this, there are three tabs: "Commands", "Conditionals", and "Loops". The "Commands" tab is active, showing a "Device Specific Command" section. The command is "Send Fixed Notification". Below this, there are several properties to configure:

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

- d. 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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Know more about us at www.dtiautomation.com

Driver Support

For any help/assistance in Integration of this driver with control4, please contact the Tech support Department in DTI write us at support@dtiautomation.com or call us at +91-6355627172 or +91-9601350488