

BLUSTREAM MV41 DRIVER FOR CRESTRON HOME

Revision: 1.0
Date: 14 January 2026

MODULE DESCRIPTION

The driver is designed for controlling the MV41 4-Way Multiview HDMI Switcher that allows for the switching of multiple sources into a single layout. The display can show a single source or show multiple sources through customisable layouts.

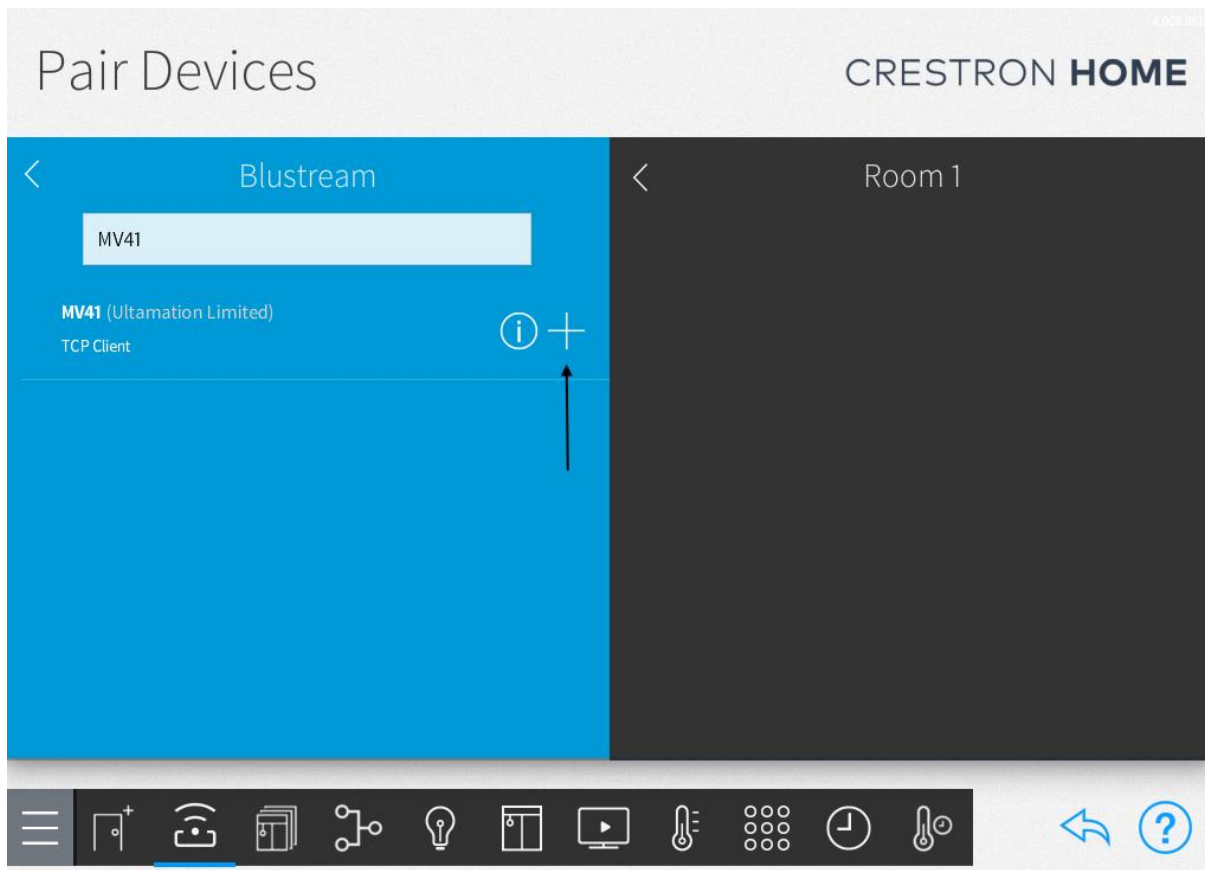
INSTALLATION

The driver can be found under:

Drivers > AV Switcher > Blustream > MV41

Adding the Driver

Before adding the driver, make sure a room has been selected, and then click the '+' against the MV41 Driver.



You will then be asked to provide a descriptive name for the driver.

Configuration:

TCP/IP settings	Value
IP Address	
IP Port	23

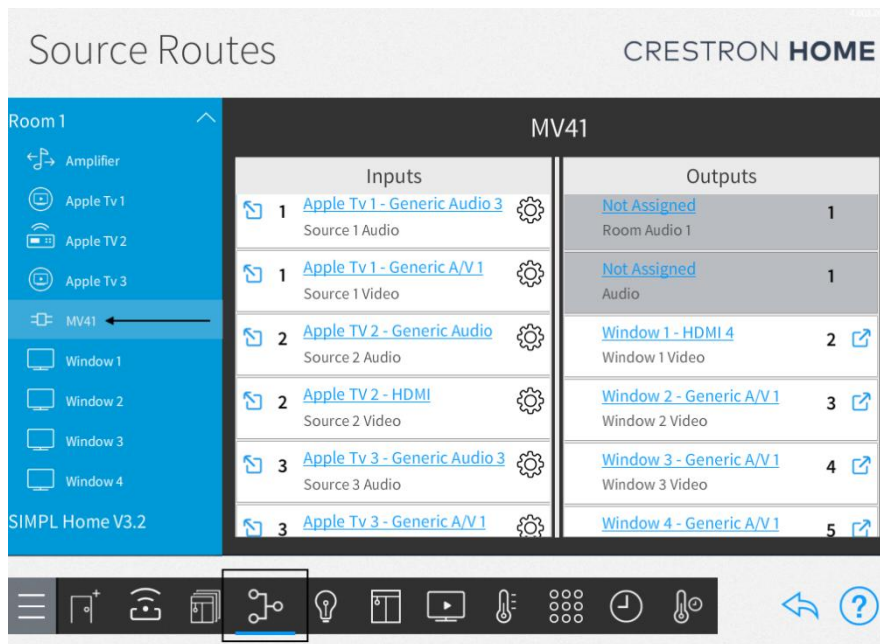
Requires Authentication:

Apply

You will then be presented with the screen shown above, where you can enter the IP address of the MV41. After this step the driver will be added to the room.

Source & Audio Routing

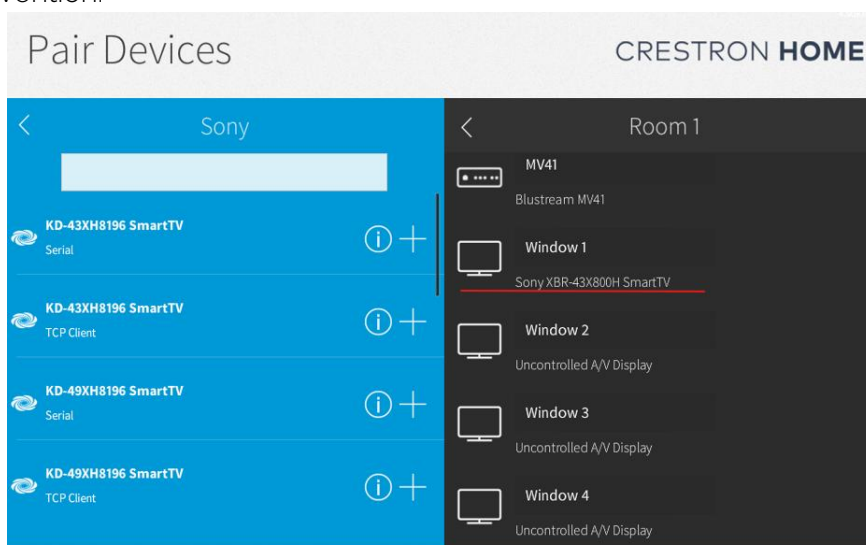
Once the MV41 has been added to a room, sources can be added to the AV Switcher. This is done in 'Source Routes', shown below:



Move to the Source Routes by pressing the routing button located at the bottom and click into the MV41 driver. Here we want to add our inputs and outputs; in this scenario we are connecting three Apple TVs to the input. We want to have both the audio and the video added for each of the inputs like seen above. Make sure that the MV41 has nothing assigned to Room Audio 1.

For the output we can default to using four Uncontrolled A/V Sources that represent the windows that we will see on the display. These can be added to the room by going to Other > Uncontrolled A/V Source, then clicking the + button. We label these Window 1-4.

If you are adding your actual TV, instead of using an uncontrolled AV source, you would use your TV driver and load that driver into the room in Window 1 output with the same naming convention.



NOTE: For audio output control / feedback functionality, there must be an amplifier in the room.

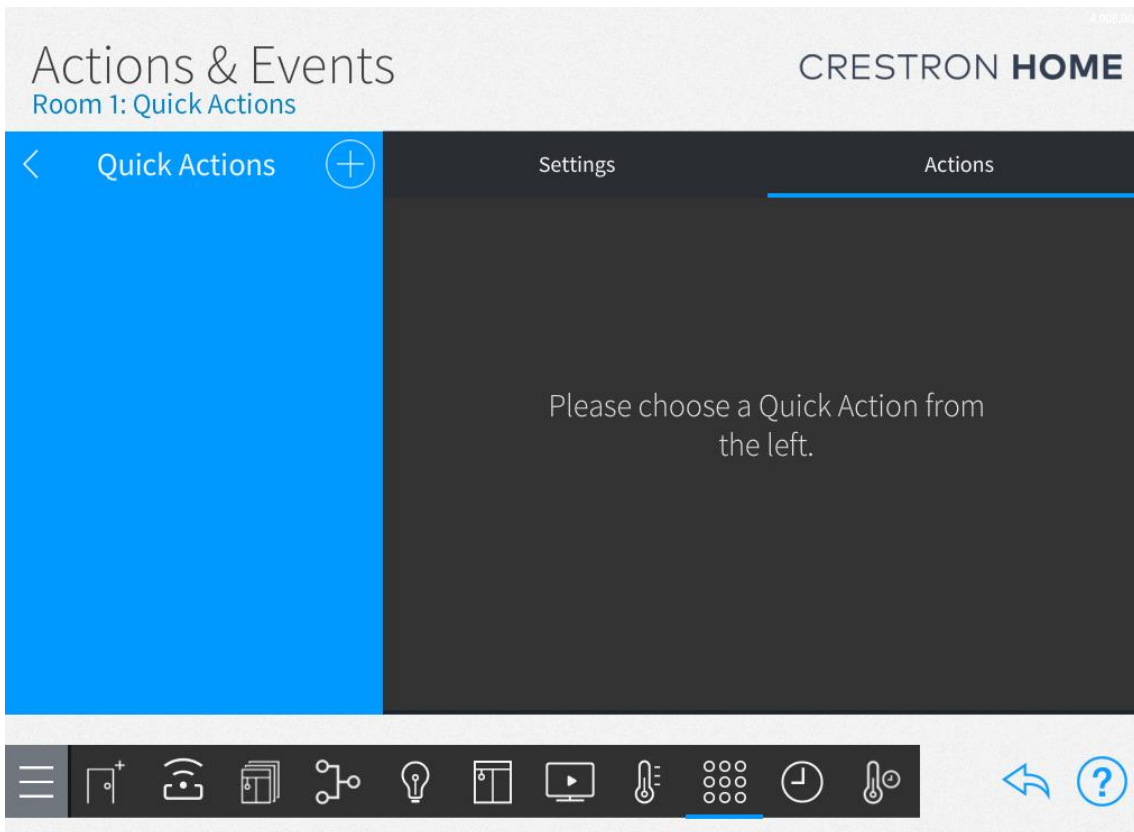
This can be either an Uncontrolled Amplifier or a specific audio device (such as an external amplifier, or soundbar etc). To add an Uncontrolled Amplifier, navigate to Device Types > Other, then choose Uncontrolled Amplifier, name it, then add it to the room. If you instead want to have the audio output played from a specific audio device, you need to follow the installation settings and load the audio driver into the room.

We then want to click on to Window 1 and route it as shown below:

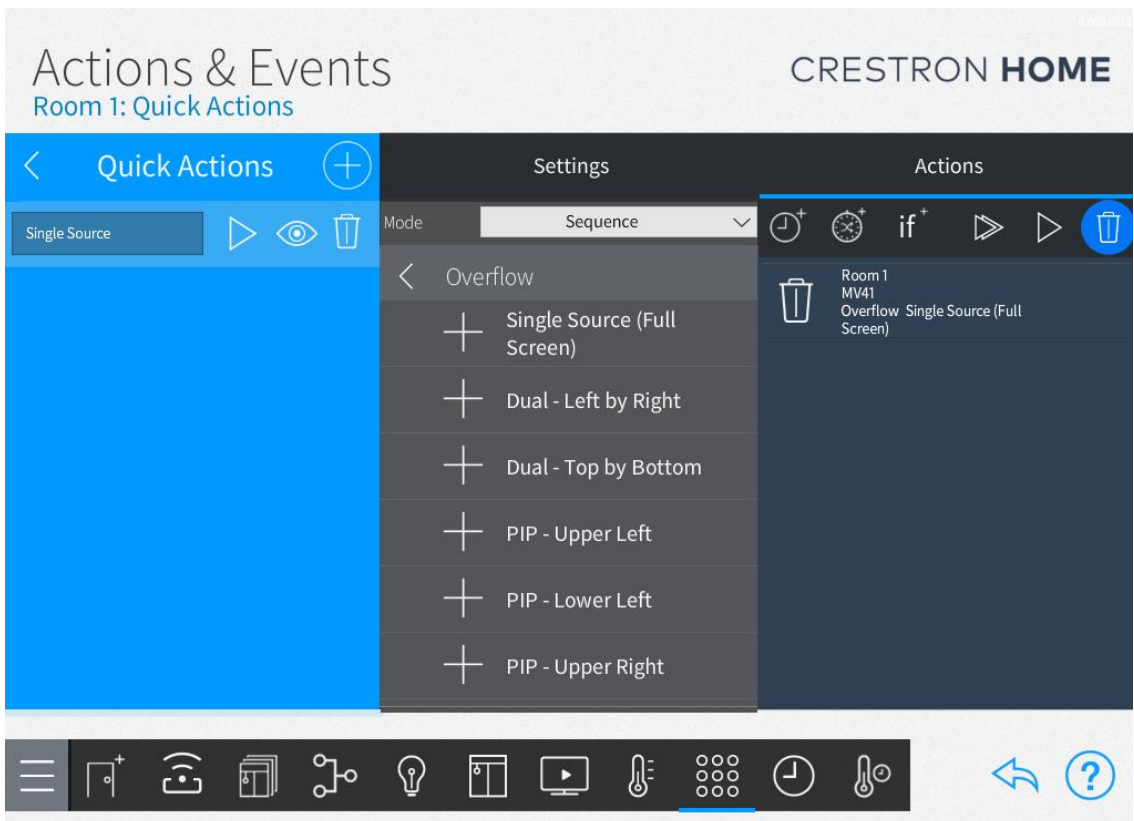


Ensure that the room video and audio are connected. For Audio out, we select the amplifier. If you want it to be a specific audio device, choose that option.

Before moving on to the Crestron Home client app we need to add our custom actions to the room. Navigate to Actions & Events in the bottom bar, select the room with the AV Switcher, then Quick Actions. This will show the below screen:

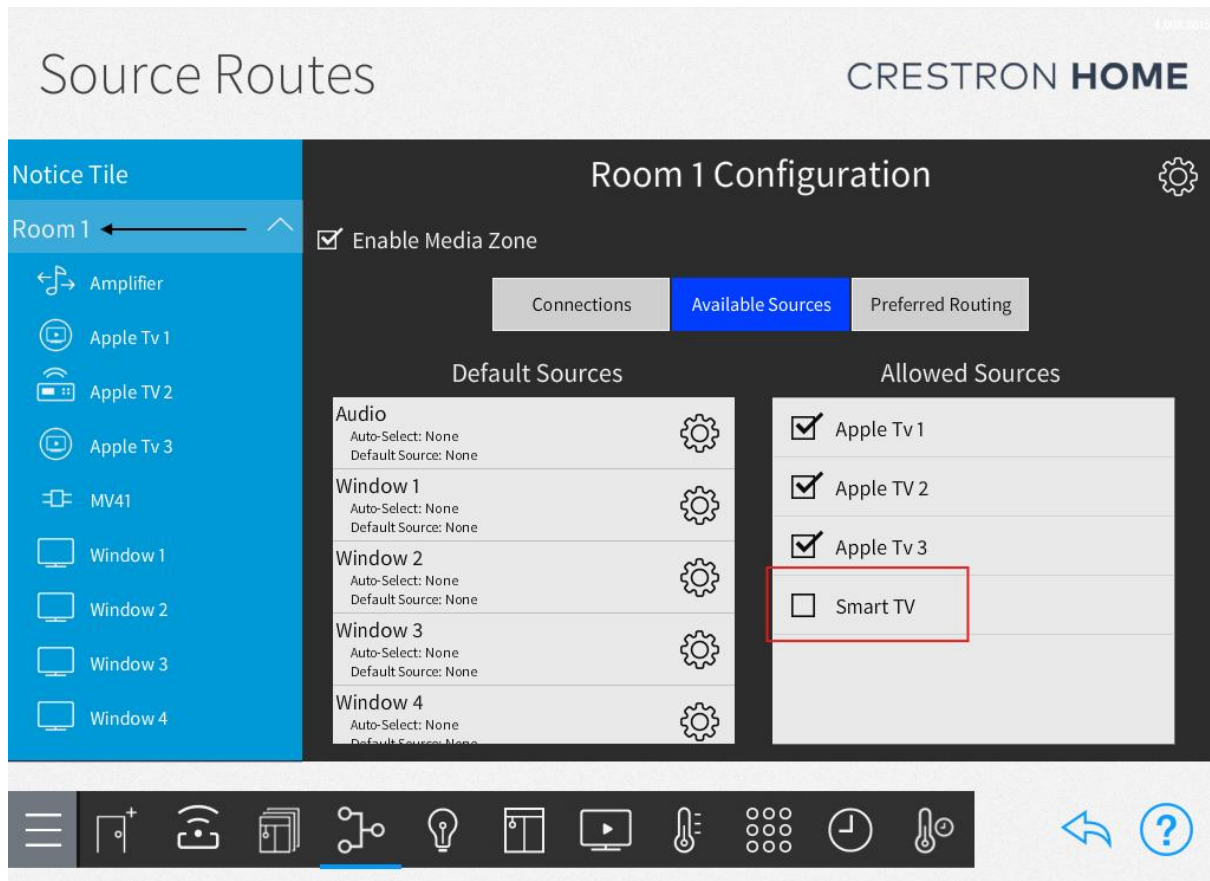


Click the + button next to Quick Actions, enter a name for the action, and set the mode as 'Sequence'. Locate and click the room, then the Switcher Name (MV41). Now click Overflow. You will then be presented with the different available actions. Press the + button to add the action to the Quick Action.



You have now setup the quick actions with the different layouts. Repeat the steps on the previous screenshot to add more.

Please note that when we are adding the source to each window, certain TV drivers have Smart TV control appearing as a source. If you don't need the Smart TV control, then you should hide this as a source option to avoid confusion down the line. This can be avoided by going into the Room configuration and unticking the Smart TV capabilities.



This will stop the Smart TV appearing in the source select configuration completely in the Crestron Home client app.

Source Select

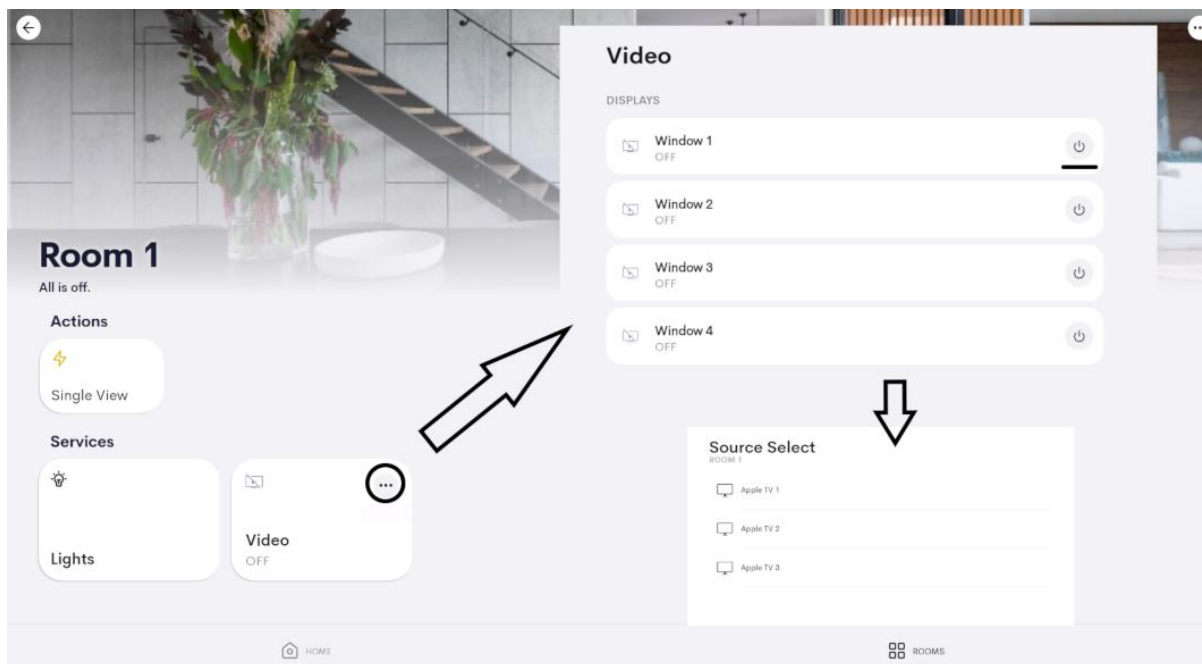
ROOM 1

Apple Tv 1

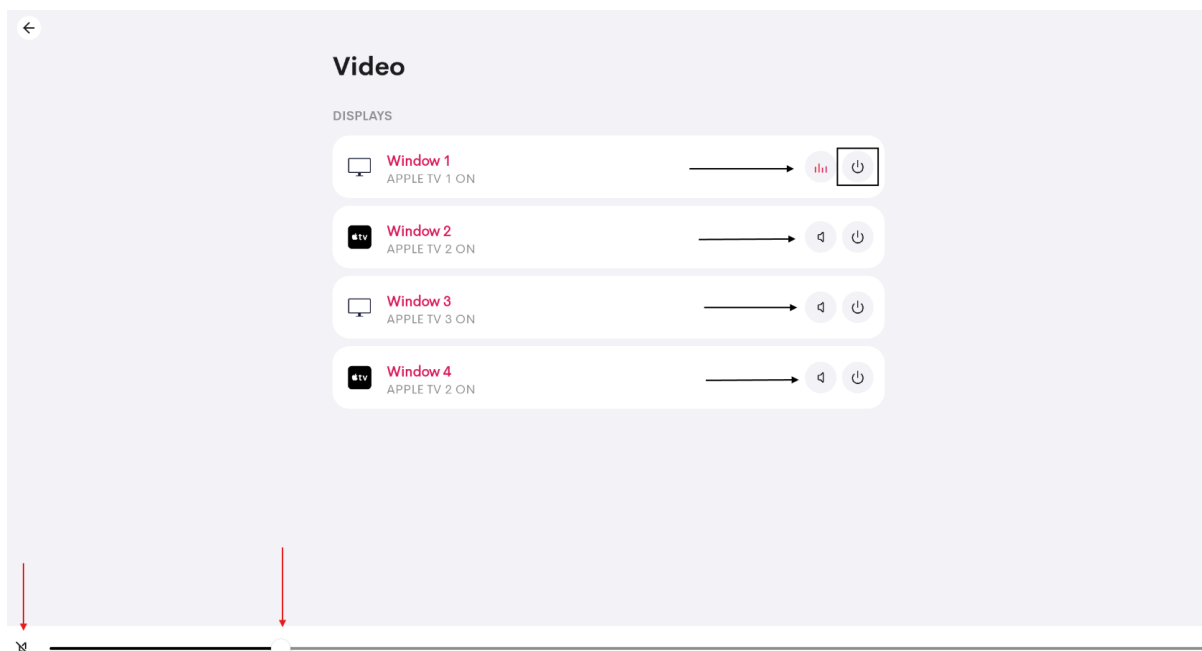
Apple TV 2

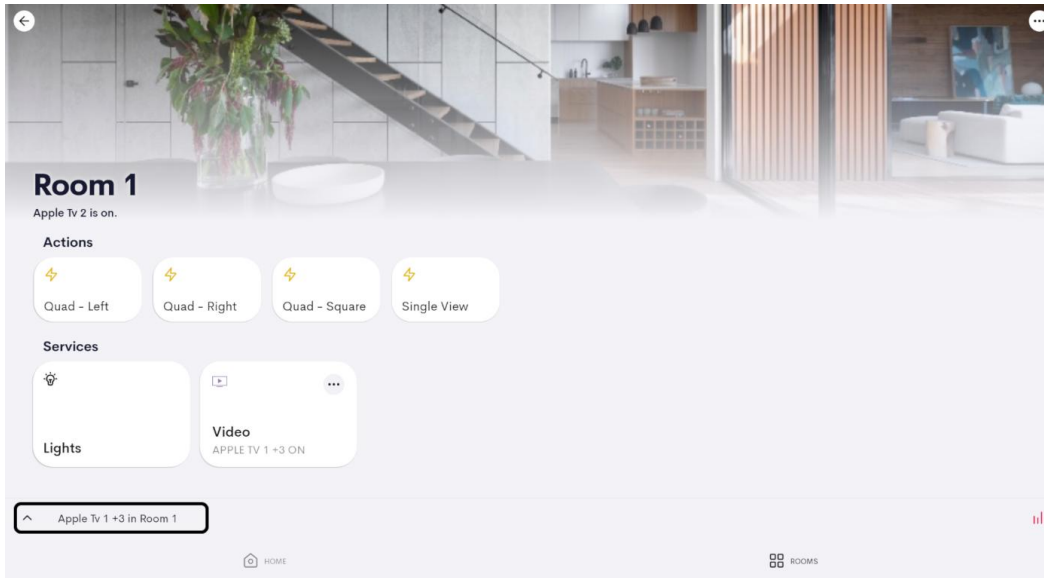
Apple Tv 3

To complete the setup of the driver, navigate into the room on Crestron Home client app and add the sources from the video service.



From the Crestron Home client app you can choose the audio from the selected window source by pressing the audio icon for the corresponding source. The power button controls the TV itself, turning the TV off and on, and the mute and audio control can be done from the slider at the bottom of the menu.





Congratulations, you have now setup the Blustream MV41 driver! Click the quick actions to change the layout. To edit the audio from the room, press the audio bar highlighted at the bottom.

SUPPORT

If you have any issues with an integration solution please let us know by contacting Ultamation support on support@ultamation.com and please include as much detail about your issue as possible, such as a recent processor error log.

Licence verification messages are posted to the error log, so please ensure you have checked this.

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This integration solution (including software, images and all other associated assets distributed as part of the purchased download package) is licenced on a PER PROCESSOR basis.

A purchase should not be completed without correct information as refunds cannot be issued for errors or changes made to details following purchase.

This is an electronic product and there is no physical delivery.

The integration solution is provided without any warranty with respect to the reliability of the controlled device or changes to device protocol. We will endeavour, through best efforts, to maintain the integration solution's functionality and any bug fixes will be provided free-of-charge. Additional functionality may be released as a variation of this integration solution and this will be a separate, purchasable, product.

CLOUD LICENCE

This integration solution contacts Ultamation's licencing server at startup. If the server finds a matching licence for the integration solution and processor then the integration solution will be licenced. Otherwise, the integration solution will check the offline licence key. If you purchase a licence **after** you have loaded the integration solution, please reboot the system to see changes take effect.

If you purchased a licence **before** it was migrated to the cloud service, i.e. you have a licence key already, you must enter this into the **Offline Key** user attribute. If you purchased the integration solution **after** it was migrated, and you don't have a licence key, no further action is required.

If no licence exists for the product/processor the integration solution will enter a short trial period (ONE HOUR) to allow for verification of correct control or evaluation.

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NOTE: Once an offline key has been issued no further licence changes will be granted. Moving the integration solution to a new processor will require an additional licence purchase.