Blustream MV41 Installation and Usage Guide

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Overview

The Blustream MV41 is an advanced 4x1 HDMI multi-view switcher. The MV41 allows up to 4x HDMI2.0 sources to be output to a single display at the same time, with pre-defined and customisable video layouts, and seamless switching. The MV41 also supports HDMI loop-through for all HDMI inputs allowing cascading of original source signals for further distribution.

The MV41 features 2ch PCM and Optical S/PDIF audio breakout, with third party control achievable from the web-GUI, TCP/IP, RS-232, IR remote control, of from the front panel buttons.

The multiple configuration and connectivity options make the MV41 suitable for both residential and commercial installations

Features

- Intuitive User Interface
  - Experience Button for quick preset selection
  - MSP driver for layout control, input assignment to windows and audio selection
  - On the fly import of all layouts for MSP
  - Only shows available windows for that layout (eg if you have 2 windows it will only show 2)
- Commands
  - Power On / Power Off
  - System Reboot
  - Auto Layout (Single / Multiview)
  - Output On
  - Output Off
  - Input Switching
  - Layout Setting
  - Layout Input Switching
  - Preset Application

Setup Driver

NOTE: Before setting up the driver please setup presets via the Blustream web interface

1. Add in the driver
2. Click on Connections
3. Under Control/AV make select the Blustream MV41 driver
4. Make bindings to A/V inputs and outputs
5. Click on Network
6. Identify the Blustream MV41 multiview switcher or type in the IP address.
7. Click on System Design
8. Highlight the Blustream MV41 multiview switcher driver
9. The Power Off Mode property allows you to power the unit entirely via 'Whole Unit'. Note that this will take some time for it to boot up whenever you want to issue a power on command. Alternatively you can leave it permanently on and turn the output video signal on and off by selecting Output Only.
10. Adjust the 'Power On Time'. This is only applicable if the Power Off Mode property is set to 'Whole Unit'
11. If you are using presets you can adjust the preset icons under Preset Settings
12. If you are using presets please make sure you set the Preset experience buttons to be visible. This has to be done for each preset you are using. You can unhide experience buttons by highlighting the room. Selecting Navigator, Selecting Watch and Modify. From there you can Hide and Show visible devices.
13. Refresh Navigator

Usage

The driver can be utilised by either direct control over the individual layouts and/or via presets.

If the driver is in a multiview layout then the driver will ignore switching commands from Director if a source is selected. This is so that you can control individual sources whilst it is in multiview mode.

You can select multiview layouts via the Multiview Control icon. From here you can select the layout, assign sources to windows and also select audio sources from inputs or windows. The driver will feed back what the current layout is and what the current source is for the window. It will automatically pull in the name of the bound source in Control4 as well. Note that there is no feedback for the audio source.

The 'Single View' experience button will always return the driver to a single view mode. When in single view mode the driver will send switch sources if Director sends a switching command.

Preset experience buttons will fire the preset command for that preset. This is a quick method to set a layout and will set the inputs for windows.

FAQ

What are the Requirements for this driver?

- Control4 OS 3.3.2
- Control4 HC-XXX Series controllers are not supported

Why is this product so exciting?

This product provides the ability to display up to 4 sources on a single display in Control4. Using this driver you can switch between layouts, select sources for individual windows and route audio with ease. Experience buttons provide quick one-touch preset recalls. Control over all sources is available at any time.

How does the driver work?

- If the layout is in single view mode then selection of sources via navigator will trigger a switch on the multiview
- If the layout is not in single view mode then selection of soruces via navigator will be ignored. This is so that you can still control the individual sources in navigator when it is in multiview mode.
- You can choose layouts via the 'Multiview Control' driver.
- You can assign inputs to individual windows via the 'Multiview Control' driver. The driver is smart enough to figure out how many windows there are via the current selected source. It will also provide the name of the bound device so the user does not have to remember which input goes to which source. If nothing is bound in Control4 it will simply display it as the input number.
- You can switch audio sources as well via the 'Multiview Control'.
- Presets are mapped to experience buttons. You can rename the experience button and assign it a layout icon via the driver's properties. This provides quick one touch control.

What hardware will this work on?

This driver is designed to work with the [4-Way Blustream MV41 Multiview HDMI Switcher](#).

Developer Information

![chowmainsoft logo]

Change Log

Version 20240912 - 12-SEP-2024
- Fixed issue where audio does not follow on single view mode

Version 20240610 - 10-JUN-2024
- Initial release