

Xantech XT-HDMI-MX44/MX42

Video Switcher



The Xantech XT-HDMI-MX44/42 matrix video switchers can be controlled with Mira Connect™, Aveo Systems’ smart control appliance. This document includes the information required to integrate with Mira Connect.

Control Interface

The Xantech XT-HDMI-MX44/42 matrix switchers are controlled over RS-232 and requires a Global Cache IP2SL interface.

Functionality Supported

Mira Connect supports video switching audio and video together (audio follows video) when changing video inputs to outputs.

Models Supported

Xantech XT-HDMI-MX44 and XT-HDMI-MX42 products


Integration Steps



To integrate Xantech XT-HDMI-MX44/42 matrix switcher with Mira Connect, follow these steps:

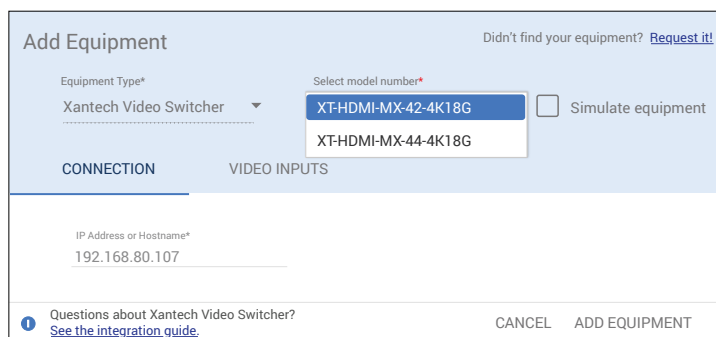
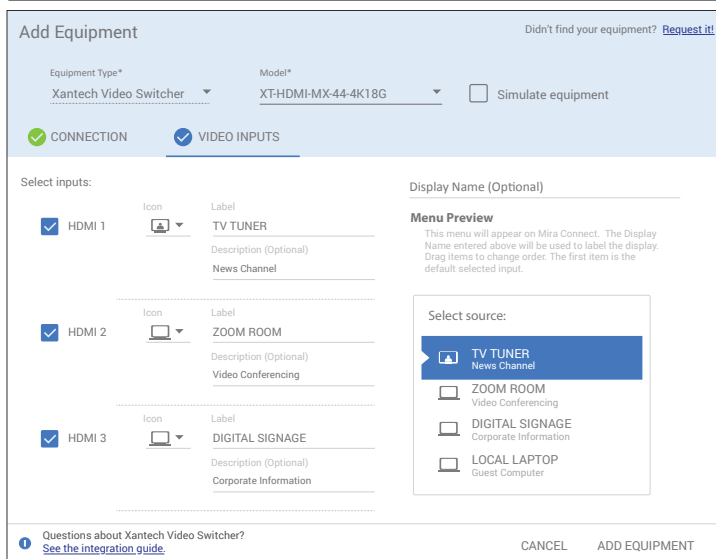
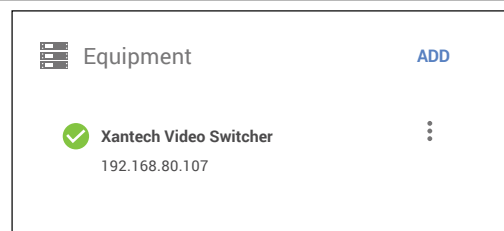
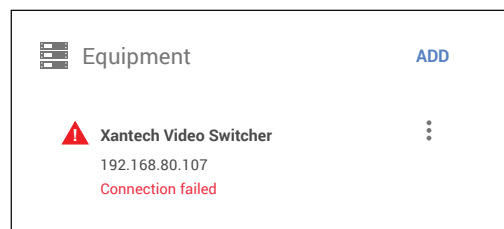
Step 1 Add a Xantech XT-HDMI-MX44/42 to the room in Mira Portal (<https://mira.aveosystems.com>), select the model number and enter the IP address of the Global Cache IP2SL device.


If you are configuring the control system before you have the switcher, select ‘Simulate equipment’ to continue. For more information on creating rooms and adding equipment, see our [training videos](#).

Step 2 Using the Video Inputs tab, enable the video inputs by clicking on their input. Then select an icon, and enter a label and a description. The labels and descriptions will appear on the display menu within Mira Connect. In this example, we’ve added TV Tuner, Zoom Room Computer, Digital Signage, and Local Laptop inputs. Scroll, as necessary to configure all the inputs.

Step 3 Click **Add Equipment** to add the device to the room. You can edit the device by clicking the  icon to the right on the device name.

If the Xantech XT-HDMI-MX44/42 switcher cannot be properly identified on the network, a red triangle, , will appear as shown in the following figure. To resolve a connection issue, edit the device (by clicking the  icon to the right on the device name) and confirm the IP address and the video switcher model. Click **Update Equipment** when done and Mira Connect will attempt to connect to the device.

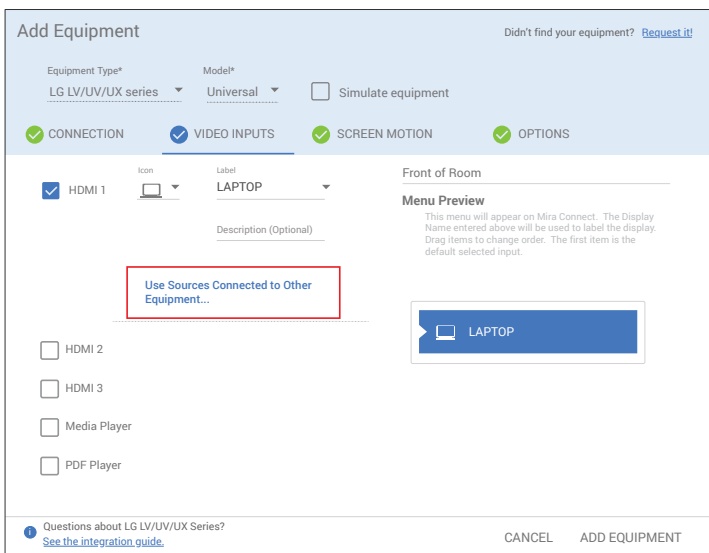





Mira Portal will show the equipment status as a green circle with a check mark, , once the Xantech XT-HDMI-MX44/42 video switcher has been confirmed at the specified IP address.

Step 4

When connecting an output from a video switcher to a display or other device, add the display to your room (in this case, an LG LV/UV/UX series display), and edit the display's video inputs.

For the desired input on the display, select 'Use Sources Connected to Other Equipment', as shown in the figure below and left. Then select the video switcher and the desired output from the video switcher that is connected to that input on the display as shown in the figure below and right. The display menu on Mira Connect will show the inputs from the video switcher automatically. The order of the menu items may be changed by clicking and dragging the menu items in the Menu Preview area on the right.



Add Equipment Didn't find your equipment? [Request it!](#)

Equipment Type* **LG LV/UV/UX series** Model* **Universal** Simulate equipment

CONNECTION VIDEO INPUTS SCREEN MOTION OPTIONS

HDMI 1 HDMI 2 HDMI 3 Media Player PDF Player

Icon: **LAPTOP** Label: **LAPTOP**

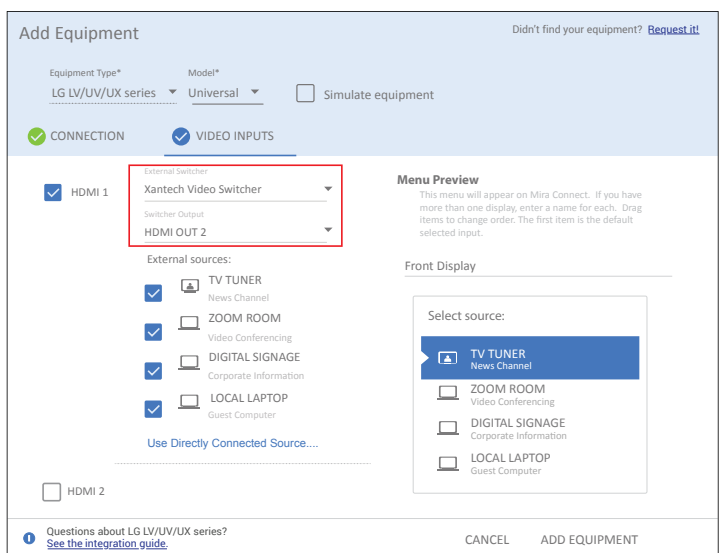
Front of Room

Menu Preview
This menu will appear on Mira Connect. The Display Name entered above will be used to label the display. Drag items to change order. The first item is the default selected input.

Use Sources Connected to Other Equipment...

LAPTOP

[Questions about LG LV/UV/UX Series? See the integration guide.](#) CANCEL ADD EQUIPMENT



Add Equipment Didn't find your equipment? [Request it!](#)

Equipment Type* **LG LV/UV/UX series** Model* **Universal** Simulate equipment

CONNECTION VIDEO INPUTS

HDMI 1 HDMI 2

External Switcher: **Xantech Video Switcher**

Switcher Output: **HDMI OUT 2**

External sources:

- TV TUNER News Channel
- ZOOM ROOM Video Conferencing
- DIGITAL SIGNAGE Corporate Information
- LOCAL LAPTOP Guest Computer

Use Directly Connected Source...

Menu Preview
This menu will appear on Mira Connect. If you have more than one display, enter a name for each. Drag items to change order. The first item is the default selected input.

Front Display

Select source:

- TV TUNER News Channel**
- ZOOM ROOM Video Conferencing
- DIGITAL SIGNAGE Corporate Information
- LOCAL LAPTOP Guest Computer

[Questions about LG LV/UV/UX series? See the integration guide.](#) CANCEL ADD EQUIPMENT

The display menu for the LG display will appear on Mira Connect once at least one video source is enabled.

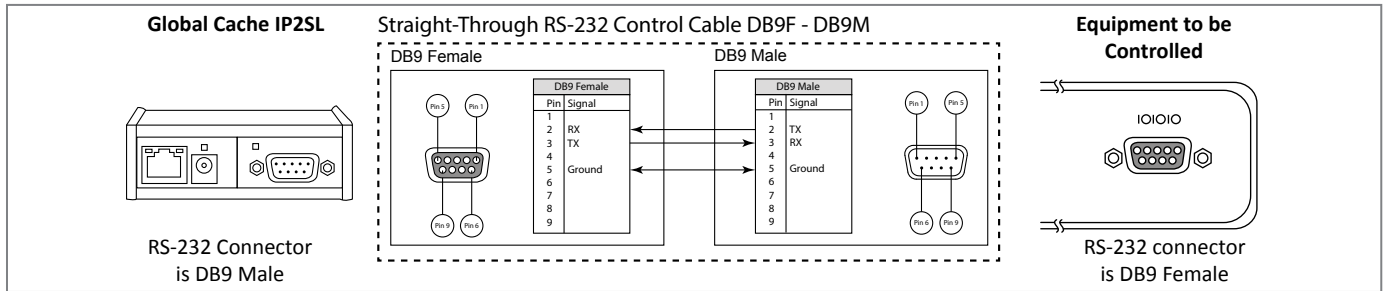
When using Mira Connect, selecting an input will automatically cause the Xantech XT-HDMI-MX44/42 to change inputs and also ensure the display is set to HDMI 1.

Network Connection

Network connection using TCP, port 4999 using the Global Cache IP2SL

See our Global Cache [integration guide](#) for set up information. Default RS-232 settings for Xantech XT-HDMI-MX44/42 video switchers are 57,600 baud, 8 data bits, no parity, 1 stop bit, no flow control. Set a static IP address, or use a 'reserved' lease on a DHCP server to ensure the IP address of the Global Cache IP2SL does not change over time.

RS-232 control requires a straight-through RS-232 9-pin Female to Female cable between the Global Cache IP2SL and the switcher that you provide as shown in the following figure.



For more information please contact our Sales Department at sales@aveosystems.com.

About Aveo Systems

Aveo Systems is a leading provider of intuitive and easy-to-use solutions for audio, video, and collaboration, improving how systems are used and managed by customers world-wide.