

Overview

This guide pertains to the VPX-1401 4K Scaling Presentation Switcher (FG1010-354). The purpose of this document is to illustrate how the device is to be installed and set up in its simplest configuration by a trained technician.

What's in the Box?

The following items are included with the VPX-1401:

- [4] 5-pin Phoenix Male Connector (3.5 mm, 5 pins)
- [1] 6-pin Phoenix Male Connector (3.5 mm, 6 pins)
- [1] Power Adapter (DC 12V 5A) with lock-ring plug
- [1] AC power cable with US pins
- [1] AC power cable with UK pins
- [1] AC power cable with EU pins
- [2] Mounting ears
- [4] Mounting screws

Power

Active power requirements:

- Voltage, DC (typical): 12VDC
- Power consumption (max): 42W

Environmental Requirements

The environmental requirements for the VPX-1401 are as follows:

- **Operating Temperature:** 32° F (0° C) to 122° F (50° C)
- **Storage Temperature:** -4° F (-20° C) to 140° F (60° C)
- **Operating Humidity:** 10% to 90% RH (non-condensing)
- **Storage Humidity:** 10% to 90% RH (non-condensing)

Installation

Connections

1. Attach the proper cable from any Video Source to the Input port on the VPX-1401. There is one VGA input and three HDMI inputs. See switching section for details on which input is selected as the active source.
2. Attach a HDMI cable from the VPX-1401 HDMI OUTPUT port to a display, projector or another sink device.
3. If required, connect the HDBT OUT port on the VPX-1401 to a HDBT Receiver to work together.
4. If used, connect a USB Host device to the unit, connect it to the USB Host Port and make sure the HDBT Receiver is working in USB device mode.
5. If required, connect an amplifier, soundbar or other audio device to the audio output on the VPX-1401.
6. If necessary, the Ethernet port can be connected to a NetLine NX Integrated Controller to add system level control of the unit. Please see www.amx.com for details on choosing the correct controller and setting up the network.
7. Attach the correct AC Plug to the DC Adapter for your location. Plug in and tighten the DC Adapter to the VPX-1401 and plug the adapter into the proper AC outlet.

Switching Operation

VPX-1401 supports auto switching and manual control from front panel.

- A. When Auto Switching is enabled, the unit automatically switches following the rules below:
 1. If more than one input port has an active signal, the priority order is: VGA => HDMI1 => HDMI2 => HDMI3
 2. When a new input is connected the last connection made is the first connection used

3. When you remove a connection: System Automatically switches to the highest priority input with an active signal follow the priorities shown in section 1. If all input ports are not active, the current input port is chosen.

- B. Manual Switching is allowed only when Auto Switching is disabled

Note: Auto Switching is enabled or disabled by using the API Commands or via the on-board web interface.

Identify the IP address of the VPX-1401

Press and keep hold the INPUT SELECT button VGA IN1 and HDMI IN2 at the same time for 3 seconds, the IP will be presented on the display connected to the HDMI OUT port.

Please note that if the address is typed as http:// or if only the IP address is typed, it will be redirected to a secure port on an HTTPS:// connection. Also note that the included certificate will most likely need to be trusted at least once by each browser the first time the web interface is connected.

From the web interface, the device can be configured with NetLine D:P:S configuration, adjust output volume, change IP address, enable manual switching, etc.

Attaching Installation Brackets

To attach the installation brackets:

1. Attach the installation bracket to the enclosure using the screws that were provided in the package separately.
2. The bracket is attached to the enclosure as shown.
3. Repeat steps 1-2 for the other side of the unit.
4. Attach the brackets to the surface or rack you want to hold the unit against using the screws (provided by others).



Additional Documentation

Additional documentation for this device is available at www.amx.com. Refer to the AMX VPX-1401 4K Scaling Presentation Switcher Instruction Manual for additional details on typical system diagrams, installing, upgrading, and controlling the VPX-1401.

