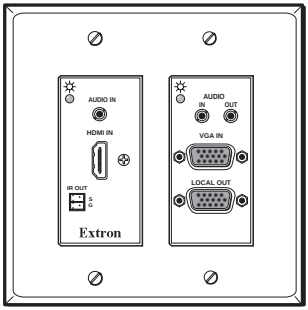
Extron Electronics
INTERFACING, SWITCHING AND CONTROL

PVT SW HDMI RGB D • Installation Guide

IMPORTANT: Go to www.extron.com for the complete system installation guide, instructions, and specifications.



The Extron® PVT SW HDMI RGB D is a 2-gang AV wallplate for PoleVault®, PlenumVault™, and WallVault™ Systems that support the PVS 405D switcher. It passes HDMI/DVI, high-resolution computer video, and analog stereo audio signals to the PoleVault digital switcher up to 150 feet away over shielded twisted pair (STP) cable.

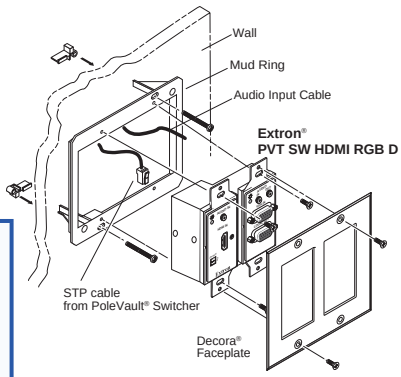
The PVT has one HDMI connector, an audio input jack, and an IR connector on the left front panel. On the right front panel it has two 15-pin HD VGA connectors for RGB signals (input and local output), and two audio jacks (input and output).

Installation

NOTES:

- Install the wallplate directly into the wall using the supplied mud ring or a UL Listed 2-gang junction box (not supplied) such as a RACO 232, following the steps below.
- If installing a junction box, allow enough depth for the wallplate and cables. Take into consideration the bend radius of the cable. Do not bend the cables at 90 degrees.
- Conduit and conduit adapters should be used.

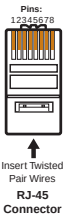
1. Using the mud ring or a junction box as a guide, mark the edges and cut out the material within the marked area of the mounting location.
2. Either:
   - Insert the mud ring into the opening, rotate the locking arms, and secure with the supplied screws,
     or
   - Insert the wall box and secure with nails or screws.
3. Run the STP cable from the PoleVault switcher location, going behind the wall and to the PVT location, then thread the cables through the mud ring or wall box.



NOTES:

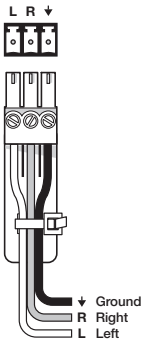
- Extron highly recommends shielded twisted pair (STP) cabling with shielded RJ-45 plugs.
- The STP cables supplied are terminated to TIA 568A standard.

4. Plug the STP cable from the PoleVault switcher into the RJ-45 connector labeled PVT Out on the rear of the wallplate.

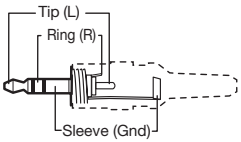


Pin	568A Wire Color	568B Wire Color
1	White-green	White-orange
2	Green	Orange
3	White-orange	White-green
4	Blue	Blue
5	White-blue	White-blue
6	Orange	Green
7	White-brown	White-brown
8	Brown	Brown

5. For audio pass through, run the audio output cable from the PoleVault switcher to the PVT location and connect to the rear 3-pole AUDIO IN captive screw connector, observing L = left, R = right, ⏚ = ground (see image at right).
6. Mount the cabled device into the mud ring or wall box and attach the supplied Decora® faceplate.
7. Connect a HDMI source to the front panel HDMI input connector.
8. Connect an RGB high resolution source device to “VGA In” and a local display device to “Local Out”.



9. Connect audio sources to the audio input tip-ring-sleeve jack.



3.5 mm Stereo Plug (unbalanced)

10. Connect a recording device or an assistive listening system to the audio output jack.
11. Connect the IR emitter to the front panel 2-pole captive screw connector with the signal wire in the hole marked “S” and the ground wire in the hole marked “G.” Place the IR emitter near or in front of the IR pickup sensor on the source device.

NOTE: To complete system installation, see the *Digital PoleVault System Installation Guide (featuring the PVS 405D switcher),* available online at **www.extron.com.**

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