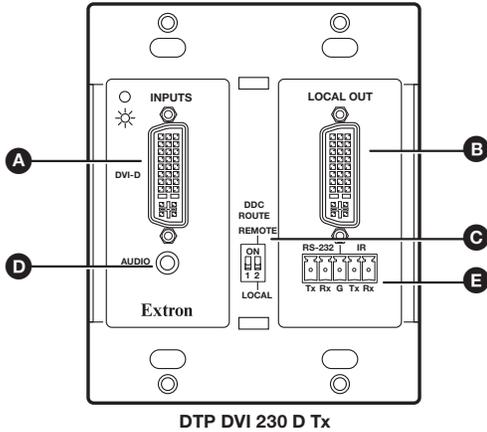




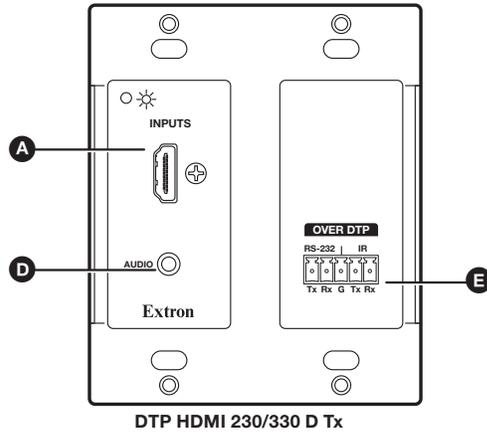
**IMPORTANT:**  
Go to [www.extron.com](http://www.extron.com) for the complete user guide, installation instructions, and specifications before connecting the product to the power source.

# DTP DVI 230 D and HDMI 230/330 D • Setup Guide

This setup guide provides instructions for an experienced installer to set up and operate the Extron DTP DVI 230 D and DTP HDMI 230 and 330 D extenders.



DTP DVI 230 D Tx



DTP HDMI 230/330 D Tx

## Installation

### Step 1 – Prepare the Mounting Surface

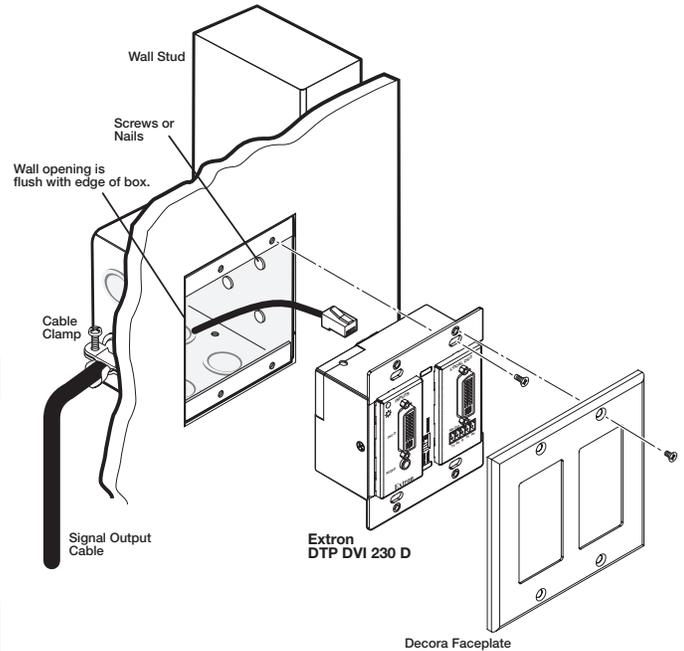
**NOTE:** Use a wall box with a depth of at least 3.0 inches (7.6 cm). Alternatively, the included mud ring (MR 200) can be used. For more information, see the full product user guides at [www.extron.com](http://www.extron.com). The installation must comply with the National Electric Code.

- a. Place the wall box against the installation surface and mark the opening guidelines.

**TIP:** Use a level to mark the opening.

- b. Cut out the material from the marked area.
- c. Secure the wall box with 10-penny nails or #8 or #10 screws, leaving the front edge flush with the surface.
- d. Run all required cables (see steps 4, 5, and 6) and secure them with cable clamps.

**TIP:** In order to fit the unit in the junction box, do not install boots on TP cables and RJ-45 connectors.

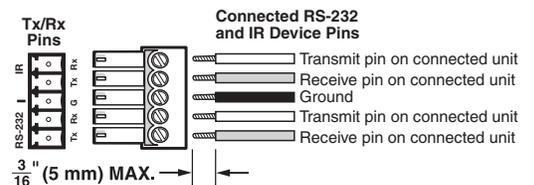


### Step 2 – Disconnect Power

Disconnect all equipment power sources.

### Step 3 – Connect Inputs to the Transmitter

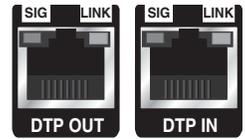
- A DVI or HDMI input connector** — Connect a DVI or HDMI cable between this port and the output port of the digital video source.
- B Local output (DTP DVI 230 D only)** — If desired, connect a DVI monitor for local monitoring of the input digital image.
- C DDC Route DIP switch (DTP DVI 230 D only)** — If the local output is not used, set the DDC Route DIP switch to remote. Ensure that you power the local display before powering the video source.
- D Audio input** — Connect an unbalanced stereo audio source to this 3.5 mm mini stereo jack.
- E RS-232/IR Pass-Through connector** — Plug an RS-232 or modulated IR device into the RS-232/IR Pass-Through port. Wire the cable as shown to the right.



## Step 4 – Run Cables Between Units

### NOTES:

- The DTP DVI/HDMI 230 D models can transmit video, control, and audio (if applicable) signals up to 230 feet (70m).
- The DTP HDMI 330 D model can transmit video, control, and audio (if applicable) signals up to 330 feet (100m).



Connect the rear panel transmitter output to the rear panel receiver input using shielded twisted pair (STP) cable.

For optimal performance, Extron highly recommends the following:

- RJ-45 termination with STP cable must comply with TIA/EIA T 568B wiring standard for all connections. For more information on cable wiring and termination, see the full product user guides at [www.extron.com](http://www.extron.com).
- Use shielded twisted pair cable, 24 AWG solid conductor or better, with a minimum cable bandwidth of 400 MHz.

**ATTENTION:** Do not use Extron UTP23SF-4 Enhanced Skew-Free AV UTP cable or STP201 cable.

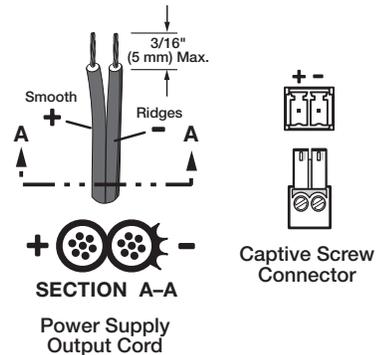
- Use shielded RJ-45 plugs to terminate the cable.
- Limit the use of RJ-45 patches. Overall transmission distance capabilities vary depending on the number of patches used. If possible, limit the number of patches to only 1 or 2 total.
- If RJ-45 patches must be used in the system, shielded CAT 6 (or better) patches are recommended.

## Step 5 – Connect Outputs from the Receiver

- DVI or HDMI output connector** — Connect a DVI or HDMI cable between this port and the input port of the display.
- Audio output** — Connect a stereo audio device to this 3.5 mm mini stereo jack to receive the passed through unbalanced audio.
- RS-232/IR Pass-Through connector** — Plug an RS-232 or modulated IR device into the RS-232/IR Pass-Through port. Wire the connector as shown in step 3.

## Step 6 – Power the Units

Wire the 2-pole captive screw connector for the included external 12 VDC power supply as shown at right. Plug the power supply into either unit; the powered unit powers the other unit.



## Step 7 – Final Installation

- Make all connections and test the system for satisfactory operation.
- At the power outlet, unplug the power supply.
- Mount the transmitter or receiver into the wall box, and attach the supplied Decora faceplate to the unit.
- At the power outlet, reconnect the power supply. This powers up both units.

## Operation

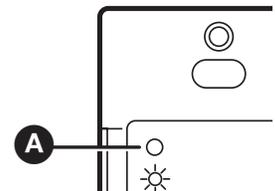
After all devices are powered up, the system is fully operational. See the definitions of the power indications below:

### Transmitter and Receiver Power Indicator

- A** Power LED — This two-color front panel LED on both transmitter and receiver lights to indicate signal and power status as follows:

**Amber** — The unit is receiving power but no signal on the DVI or HDMI input (TP input for receiver).

**Green** — The unit is receiving power and a signal is present on the DVI or HDMI input (TP input for receiver).



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Extron USA - West +1.714.491.1500 +1.714.491.1517 FAX	Extron USA - East +1.919.850.1000 +1.919.850.1001 FAX	+31.33.453.4040 +31.33.453.4050 FAX	+65.6383.4400 +65.6383.4664 FAX	+86.21.3760.1568 +86.21.3760.1566 FAX			+91.80.3055.3777 +91.80.3055.3737 FAX