

**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 T/R DP 330 and DTP T/R DP 230 • Setup Guide

This guide provides instructions for an experienced installer to install either the Extron DTP T/R DP 330 or DTP T/R DP 230 Display Port Extenders and to make all connections.

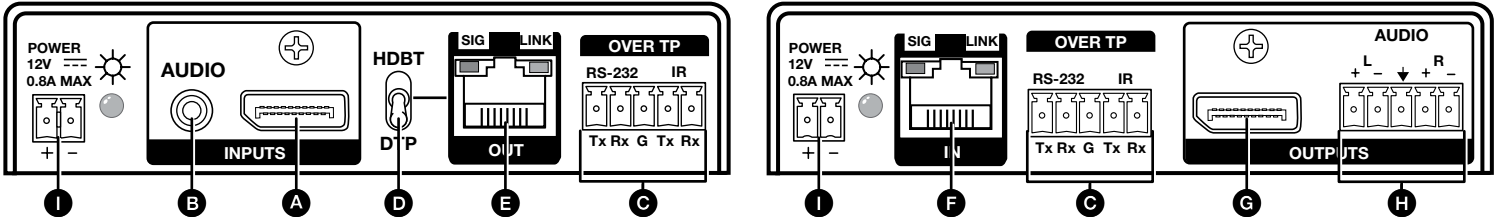
## Installation

For additional mounting details and considerations, see the *DTP T/R DP 330 and DTP T/R 230 User Guide* at [www.extron.com](http://www.extron.com).

### Step 1 – Mounting

Turn off or disconnect all equipment power sources and mount the transmitter and receiver as required.

### Step 2 – Input and Output Rear Panel Connections

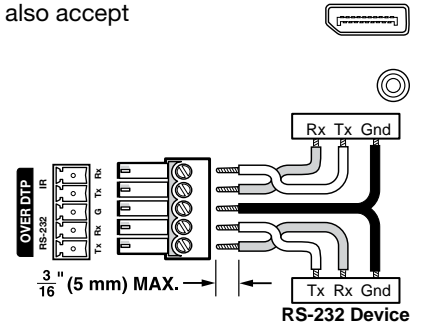


**Figure 1.** DTP T/R DP 330 and DTP T/R DP 230 Rear Panel Features

- A DisplayPort Input port** – Connect a DisplayPort video input to this connector. The transmitters also accept embedded digital audio on this port.
- B Audio Input port** – Connect an audio input device to this 3.5 mm mini jack on the transmitter.
- C Over TP connector** – To pass serial and infrared data or control signals on the Over TP RJ-45 output, make the following connections via the RS-232 and IR captive screw connectors on the transmitter and receiver.  
**Transmitter** – Connect the controlling device.  
**Receiver** – Connect the device to be controlled.
- D TP function switch** –

If the receiving device is in the Extron DTP series, set this switch to **DTP**. The twisted pair (TP) output consists of HDMI with embedded audio, analog audio, RS-232 and IR, and remote power. The transmitter and receiver can be powered by one 12 VDC power supply connected to either unit.

For an HDBaseT-enabled receiving device, set this switch to **HDBT**. The TP output consists of HDMI with embedded audio plus RS-232 and IR. The transmitter and receiving device each requires its own 12 VDC power supply.



**ATTENTION:**

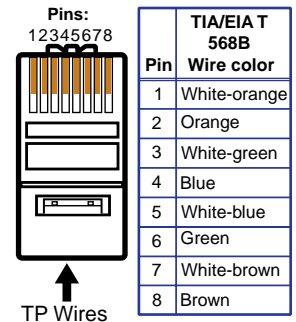
- Position this switch **BEFORE** connecting the appropriate device to the TP connector. Failure to comply can damage the endpoint.
- Positionnez le sélecteur **AVANT** de connecter l'appareil approprié au connecteur TP. Ne pas respecter cette procédure pourrait endommager le point de connexion.

- E Out port and In port** – Connect a shielded twisted pair (STP) cable between the Out (RJ-45) port on the transmitter and either the DTP In port or HDBT port on the receiving device.

**ATTENTION:**

- Do not connect this connector to a computer data or telecommunications network.
- Ne connectez pas ces port à des données informatiques ou à un réseau de télécommunications.

**NOTE:** Extron XTP DTP 24 shielded twisted pair (STP) cable is preferred for best results, but other STP cable is acceptable. Extron recommends that you terminate both cable ends in accordance with the following, at a minimum: TIA/EIA T 568B and 24 AWG, solid conductor, shielded cable with 400 MHz bandwidth.



- Signal LED indicator** – Lights when the device is transmitting or receiving a video signal.
- Link LED indicator** – Lights when a valid link between a DTP or HDBT input and output is established.
- G DisplayPort Output port** – Connect a DisplayPort video display to this connector.

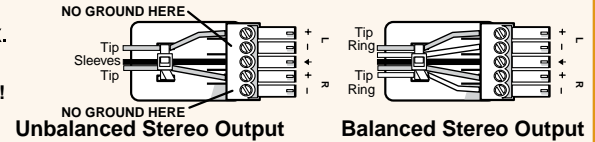
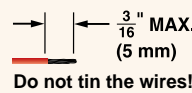
# DTP T/R DP 330 and DTP T/R DP 230 • Setup Guide (Continued)

- H Audio Output connector** — Connect an audio device, such as an audio amplifier or powered speakers to this 5-pole, 3.5 mm captive screw connector to receive, unamplified, line level analog audio. This audio is in addition to any audio that may be embedded in the DisplayPort video signal.

See below to wire the connector. Use the supplied tie-wrap to strap the audio cable to the extended tail of the connector.

## ATTENTION:

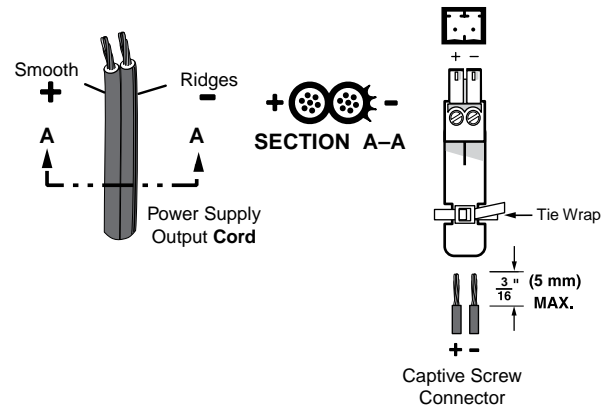
- For unbalanced audio, connect the sleeves to the ground contact. **Do not** connect the sleeves to the negative (-) contacts.
- Pour l'audio asymétrique, connectez les manchons au contact au sol. **Ne PAS** connecter les manchons aux contacts négatifs (-).



- I Power** — Connect the included 12 VDC power supply to either unit, transmitter or receiver, as shown at right. Use the included tie-wrap to strap the cord to the captive screw connector.

Connect an IEC power cord between the power supply and a 100-240 VAC, 50-60 Hz source.

**NOTE:** If the TP switch (D) is in **DTP**, one supply can power both units. If the switch is in **HDBT**, each unit requires its own power supply.

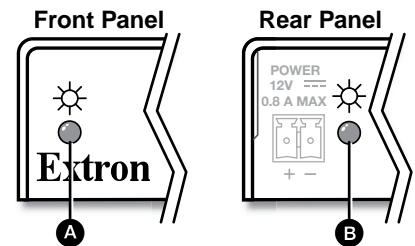


## Operation

After all connected devices are connected and powered on, the system is fully operational. If any issues arise, verify that the cables are routed and connected properly.

## Power Indicators

- A Power (and signal) LED (front panel)** —
  - Amber** — The unit is receiving power, either locally or remotely (on the TP cable).
  - Green** — The unit is receiving an active digital input, either on the DisplayPort input if a transmitter, or transmitted on the DTP cable if a receiver.
- B Power LED (rear panel)** —
  - Amber** — The unit is receiving power remotely (on the TP cable).
  - Green** — The unit is receiving power locally.



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