

# Setup Guide — MTP 15HD A Series

This card provides quick start instructions for an experienced installer to set up and operate any of the MTP VGA video and audio transmission systems.

**IMPORTANT:**  
Refer to [www.extron.com](http://www.extron.com) for the user manual and installation instructions before connecting the product to the power supply.

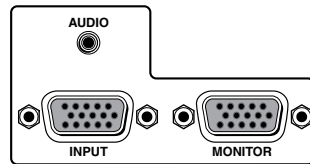
## Installation

### Step 1 — Mounting

Turn off or disconnect all equipment power sources and mount the MTP transmitter and up to eight receiver(s) as required.

### Step 2 — Transmitter inputs

- Connect a computer (VGA) video source to the Input connector.
- Connect a VGA monitor to the Monitor connector.
- Plug a 3.5 mm stereo audio plug into the audio jack.

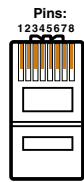


### Step 3 — TP cables between units

- Terminate a TP cable as shown at right. Connect it between the transmitter's Output port and the receiver's Input port.

**NOTE** If the unit is labeled "C7", only CAT 7 cable should be used.

- For daisy-chaining, connect up to eight TP cables between a receiver's Buffered Output port and a daisy-chained receiver's Input port.



Insert TP Wires

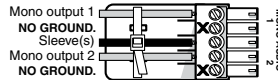
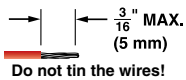
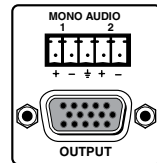
Pin	T568A Wire color	T568B Wire color
1	White-green	White-orange
2	Green	Orange
3	White-orange	White-green
4	Blue	Blue
5	White-blue	White-blue
6	Orange	Green
7	White-brown	White-brown
8	Brown	Brown

**NOTE** If you are using Enhanced Skew-Free™ A/V cable, use the TIA/EIA T568A standard only.

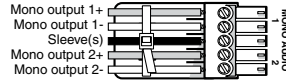
### Step 4 — Receiver outputs

- Connect a VGA monitor to the Output connector.
- Connect a mono audio device to the Mono Audio connector. Wire the connectors as shown below.

**CAUTION** Connect the sleeves to ground (Gnd). Connecting the sleeve to a negative (-) terminal will damage the audio output circuits.



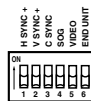
Unbalanced Output



Balanced Output

### Step 5 — Receiver DIP switches

- **H Sync and V. Sync switches** — Set these switches up for positive sync or down for negative sync.
- **Composite Sync, (SOG), and Video switches** — Set these switches as shown in the table below right to output the indicated format.
- **End Unit switch** — Set this switches up if either of the following is true:
  - The receiver being configured is the only receiver connected to the transmitter.
  - The receiver being configured is the last receiver in a daisy-chained system.



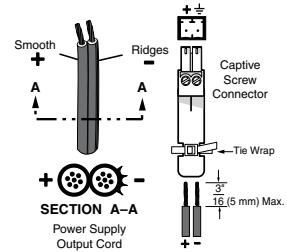
Output Format	C Sync	SOG	Video
RGBHV	▼	▼	▼
RGBS	▲	▲	▼
RGsB	▼	▲	▼
Component*	▼	▼	▲
S-video*	▼	▼	▲
Composite*	▼	▼	▲

\* Input video format must match.

# Setup Guide — MTP 15HD A Series, cont'd

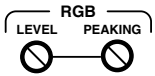
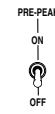
### Step 6 — Power

Wire the 2-pole captive screw connectors for the included external 12 VDC power supplies as shown at right. Plug them into all units.



### Step 7 — Pre-Peak, Peaking, and Level

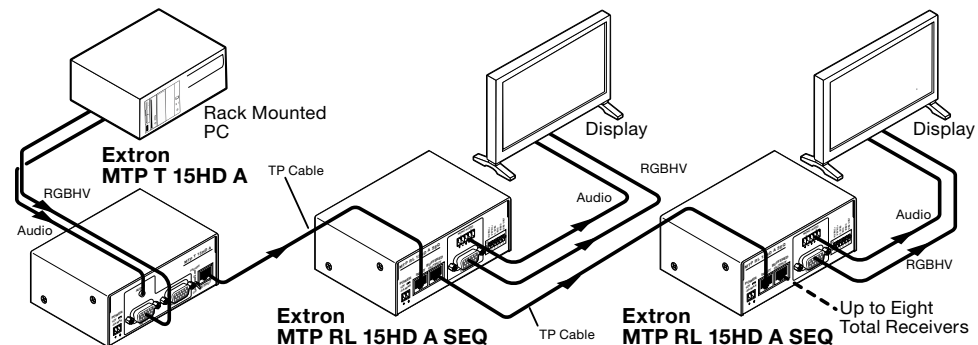
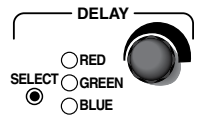
- **Transmitter's Pre-Peak switch** — View the image and set the Pre-Peaking switch for the best image quality to correct for long cable runs of the entire system (including all daisy-chained receivers).
- **Receiver's Peaking control** — View the image and adjust the Peaking control for the best image sharpness. Minimum setting (full counterclockwise) is zero peaking.
- **Receiver's Level control** — View the image and adjust the Level control for the best brightness level.



### Step 8 — Skew compensation (SEQ receivers)

Pair skew can be measured with test equipment or by viewing a crosshatch test pattern. The SEQ receivers have built-in skew compensation capabilities. Adjust the equalization as follows:

- Zero the skew delay for red, green, and blue by using a small screwdriver to press and hold the Select button for 3 seconds. When the Red, Green, and Blue LEDs all go out, release the Select button.
- Use UTP cable test equipment or examine the displayed image to determine which video signal — red, green, or blue — is shifted furthest to the right.
- Select the furthest left video signal by using a small screwdriver to press and release the Select button until the LED for the left-shifted color — Red, Green, or Blue — lights.
- Slowly rotate the Adjust control clockwise until the selected color is properly converged.
- If the remaining colors are left-shifted, repeat steps c and d.



Example of a typical MTP 15HD A application

Extron USA - West Headquarters	Extron USA - East	Extron Europe	Extron Asia	Extron Japan	Extron China	Extron Middle East
+800.633.9876 Inside USA / Canada Only	+800.633.9876 Inside USA / Canada Only	+800.3987.6673 Inside Europe Only	+800.7339.8766 Inside Asia Only	+81.3.3511.7655 +81.3.3511.7656 FAX	+400.883.1568 Inside China Only	+971.4.2991800 +971.4.2991880 FAX
+1.714.491.1500 +1.714.491.1517 FAX	+1.919.863.1794 +1.919.863.1797 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	