

Setup Guide — FOX 500 and FOX 500 DVI

This guide provides quick start instructions for an experienced installer to set up and operate the FOX 500 fiber optic transmitters and receivers.

IMPORTANT:
Refer to www.extron.com for the complete user manual and installation instructions before connecting the product to the power source.

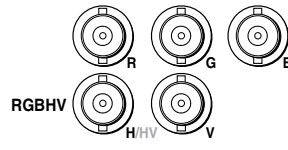
Installation

Step 1 — Mounting

Turn off or disconnect all equipment power sources and mount the FOX units as required.

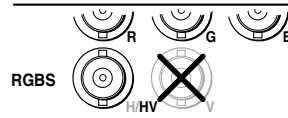
Step 2a — Video input (FOX 500 Tx [analog])

Connect a VGA to UXGA source to the transmitter: either to the RGB Input 15-pin HD connector or to the RGB Input BNC connectors. See the drawing at right to wire the BNC connectors.



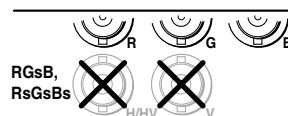
Step 2b — Video input (FOX 500 Tx DVI)

Connect a digital visual interface (DVI-D) source to the transmitter's DVI-I Input connector.



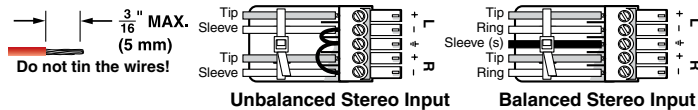
Step 3 — Local monitor output

If desired, connect a local monitor to the transmitter's Buffered Loop-Through 15-pin HD connector or DVI connector, as applicable.



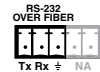
Step 4 — Audio input

Connect a balanced or unbalanced, stereo or mono audio input to the transmitter: either to the Audio Inputs 3.5 mm mini jack or to the Audio Inputs 5-pole captive screw connector. See the drawing below to wire the captive screw connector.



Step 5 — RS-232 over fiber

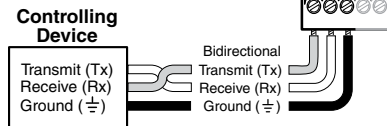
If you want the FOX 500 to pass serial data and/or control signals, such as for serial control of a projector, connect the primary (controlling) device to the transmitter and the secondary device (projector) to the receiver via three poles of the RS-232 Over Fiber captive screw connector on both units.



NOTE For RS-232 responses (from the receiver to the transmitter), you must install fiber cable Optical 2. See Step 8.

Step 6 — Serial control

For serial control of the transmitter and receiver, connect a host device to either unit via three poles of the Remote RS-232/Alarm captive screw connector or to either unit's front panel Configuration connector using an optional TRS RS-232 cable, part #70-335-01.



Step 7 — Alarms

For remote monitoring of the status of the optical links, connect a locally constructed or obtained device to the two Alarm poles of the units' RS-232/Alarm 5-pole captive screw connectors. The two poles are shorted together when no light is detected.



NOTE The transmitter's Alarm port reports the status of the Optical 2 light link. The receiver's Alarm port reports the status of the Optical 1 light link.

Setup Guide — FOX 500 and FOX 500 DVI

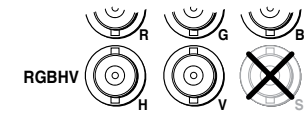
Step 8 — Fiber cables between units

Connect the Optical 1 (required) and Optical 2 (optional) fiber cables between the transmitter and receiver.

NOTE Only Optical 1 is required for video, audio, and serial transmission. Optical 2 is required only to return serial data from the secondary device connected to the receiver to the primary device connected to the transmitter.

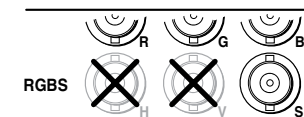
Step 9a — Video outputs (Fox 500 Rx [analog])

Connect one or two RGBHV, RGBS, or RGSB displays to the receiver, using the RGB Output 15-pin HD connector and/or the RGB Outputs BNC connectors. See the drawing below right.



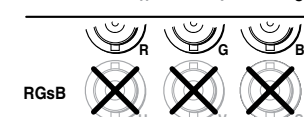
Step 9b — Video outputs (Fox 500 DVI Rx)

Connect a DVI display to the receiver's DVI-I Output connector.

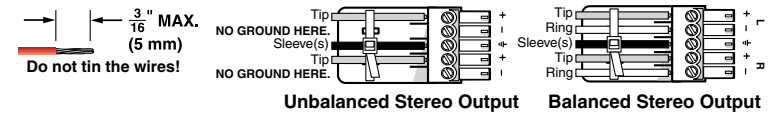


Step 10 — Audio outputs

Connect balanced or unbalanced stereo or mono audio devices to the receiver, using the Audio Outputs 3.5 mm mini jack and/or the Audio Outputs 5-pole captive screw connector. See the drawing below.



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

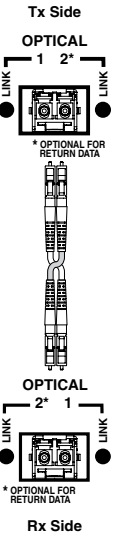


Step 11 — Power

Plug standard IEC power cords between the units' power connectors and 100 VAC to 240 VAC, 50 or 60 Hz power sources.

Step 12 — Optimizing the video (Fox 500 [analog])

- On the receiver, from the default display cycle, press **Menu [*5] > Next [*3]** to access the Test Pattern submenu.
- Rotate either Adjust knob to select the Alt. Pixels test pattern.
- NOTE** Both fiber cables must be installed to access the Total Pixel and Pixel Phase submenu. On your display, select "auto image" (if available) or adjust the active pixels, total pixels, and pixel phase for the best picture quality.
- Return to the Test Pattern submenu (**Menu [*5] > Next [*3]**) and rotate either Adjust knob to deselect the Alt. Pixels test pattern.
- From the Test Pattern submenu, press **Menu [*3] > Next [*3]** to access the Total Pixel and Pixel Phase submenu.
- Rotate the ◀ knob to adjust the total pixels and the ▲ knob to adjust the pixel phase for the best picture quality.
- Wait for approximately 30 seconds; the receiver returns to the default display cycle.



Extron USA - West Headquarters +800.633.9876 Inside USA / Canada Only +1.714.491.1500 +1.714.491.1517 FAX	Extron USA - East +800.397.6673 Inside USA / Canada Only +1.919.863.1794 +1.919.863.1797 FAX	Extron Europe +800.397.6673 Inside Europe Only +31.33.453.4040 +31.33.453.4050 FAX	Extron Asia +800.7339.6766 Inside Asia Only +65.6383.4400 +65.6383.4664 FAX	Extron Japan +81.3.3511.7655 +81.3.3511.7656 FAX	Extron China +400.883.1568 Inside China Only +86.21.3760.1568 +86.21.3760.1566 FAX	Extron Middle East +971.4.2991800 +971.4.2991880 FAX	68-1308-50 Rev. A 04 09
---	---	---	--	---	---	---	-------------------------------