

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

FOX AEX 108 and FOX II AEX 108 • Setup Guide

This guide provides instructions for an experienced installer to setup up and operate the Extron FOX AEX 108 and FOX II AEX 108 Fiber Audio Extractors. The fiber audio extractors extract audio from fiber optic systems to be routed to amplifiers or a DSP processor. The extractors can be implemented anywhere in a fiber optic system where local audio-only outputs are required. This may include the input or output side of a fiber matrix system or in point-to-point applications between two fiber optic endpoints.

CLASS 1 LASER PRODUCT, see the *FOX AEX 108 and FOX II AEX 108 User Guide* at www.extron.com.

WARNING: Do not look into the rear panel fiber optic cable connectors or into the fiber optic cables themselves.

AVERTISSEMENT: Ne regardez pas dans les connecteurs de câble fibre optique sur le panneau arrière ou dans les câbles fibre optique eux-mêmes.

NOTES:

- The FOX AEX 108 is compatible with all Extron FOX Series products except for FOX 3G HD-SDI, PowerCage FOX 3G HD-SDI and FOX 3G DVC models. It is not compatible with FOX II Series products.
- The FOX II AEX 108 is compatible with all Extron FOX and FOX II Series products except for FOX 3G HD-SDI, PowerCage FOX 3G HD-SDI and FOX 3G DVC models.

The extractors consist of eight audio extraction points. Each extraction point includes a Tx and Rx fiber optic port in a fiber optic connector with corresponding LED indicators and a 3.5 mm, 5-pole captive screw audio output connector.

Installation

Step 1 – Mount the Device.

Turn off or disconnect all equipment power sources and mount the extractor as required (see the *FOX AEX 108 and FOX II AEX 108 User Guide* at www.extron.com for mounting information).

Step 2 – For Each Desired Extraction Point, Connect Inputs and Outputs.

NOTES:

- Each extraction point works independently from other extraction points.
- Ensure the proper fiber cable is used. Typically, singlemode fiber optic cables have a yellow jacket and multimode fiber optic cables have an orange or aqua jacket.
- Transmission of HDMI or DisplayPort video with HDCP content requires a return fiber optic cable from the receiving device to the transmitting device.

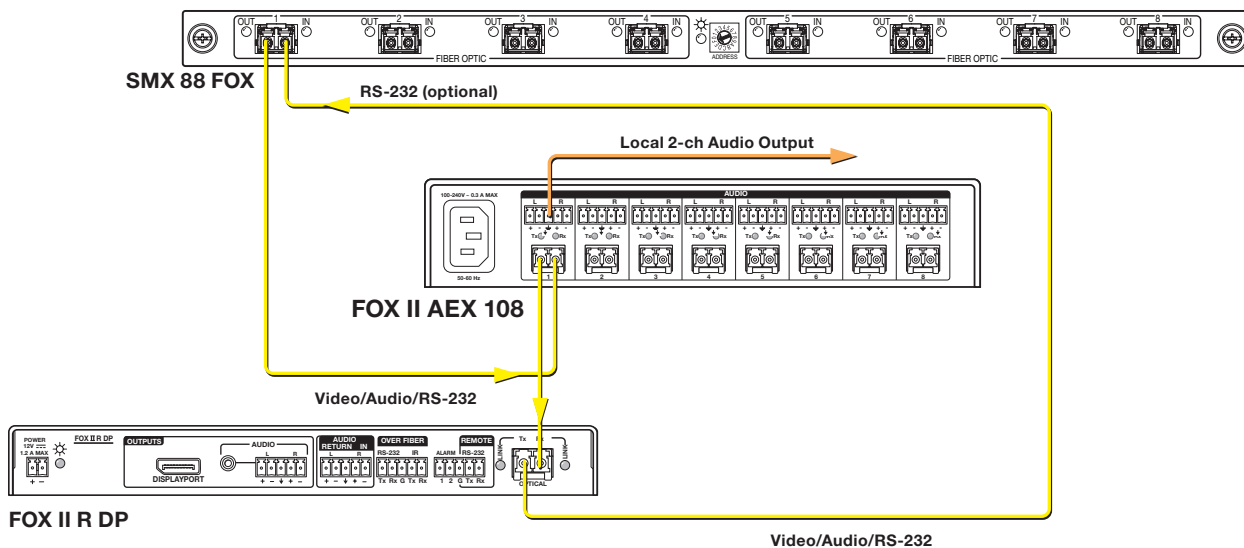
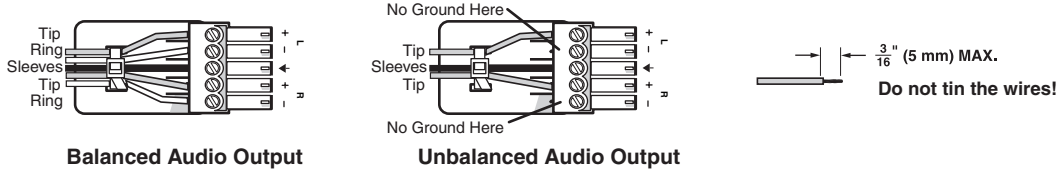
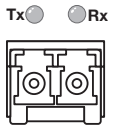


Figure 1. Extraction Point Wiring (Output Side of FOX Matrix Application)

- On a desired extraction point of the extractor, connect the Tx port of the fiber optic connector to the Rx port of a fiber optic connector on the receiving device (fiber optic receiver or matrix).
- On the same extraction point of the extractor, connect the Rx port of the fiber optic connector to the Tx port of a fiber optic connector on the transmitting device (fiber optic transmitter or matrix).
- On the same extraction point of the extractor, connect an audio output device or device for DSP processing to the 3.5 mm, 5-pole captive screw connector.

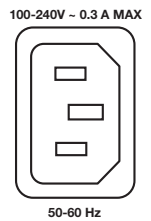


- For option bidirectional RS-232 and HDCP-compliance, connect the Tx port of the receiving device to the Rx port of the transmitting device.

NOTE: Use the ports on the same connector that is connected to the extractor.

Step 3 – Power the Device.

Plug a standard IEC power cord into the connector to connect the FOX AEX 108 or FOX II 108 to a 120 V or 240 VAC, 50 or 60 Hz power source. All LEDs will blink together once for a multimode model or twice for a singlemode model.

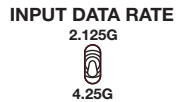


Operation and Features

After the fiber audio extractor and all associated devices in the system are connected and powered on, the system is fully operational.

Input Data Rate Switch

The recessed toggle switch on the front panel switches the fiber audio extractor between 2G and 4G input data rates. Move the toggle switch up for a 2G input data rate or down for a 4G input data rate. The default rate is 4G.



NOTE: 2G and 4G data rates apply to all inputs. These selectable rates are not for individual inputs.

After switching between 2G and 4G, cycle power to the FOX AEX 108 or FOX II AEX 108 in order to properly lock onto the selected input data rate.

ATTENTION:

- Ensure all fiber extenders within the system are compatible with the selected input data rate.
- Assurez-vous que tous les extendeurs fibres dans le système soient compatibles avec le débit de données d'entrée sélectionné.

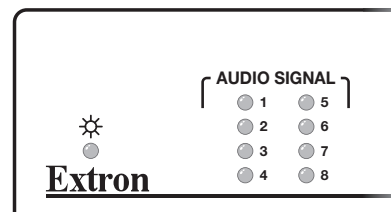
Indicators

Tx Link and Rx Link LEDs — For each fiber connector, the Tx Link and Rx Link LEDs indicate the associated link is transmitting or receiving light (not necessarily that there is data encoded in the optical light).



Audio Signal LEDs — The front panel Audio Signal LEDs light green when an audio signal above -35 dBV is detected on the associated fiber input. The light turns off after the audio signal level drops below the threshold for 10 continuous seconds.

Power LED — The front panel Power LED lights green when power is applied to the fiber audio extractor.



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