

Sonnex® Link over Fiber Extender

- > Extends the Sonnex® Link up to 2000 ft (610 m) over fiber
- > Works reliably without any programming or configuration
- > Transports 24 stereo channels of digital audio
- > Also carries Sonnex control signals
- > Protects against lightning surges for outdoor runs

The Crestron® S-EXT1-S is an optional accessory for the Sonnex® Multiroom Audio System (SWAMP-24X8). It provides a solution for extending the Sonnex Link up to 2000 ft (610 m) over one multimode fiber strand^[1]. It is ideal for any application that requires running the Sonnex Link between a main house and guest house, pool house, or other out-building, providing high-performance signal extension, plus optical isolation against lightning surges and other electrical disturbances.

The S-EXT1-S is composed of one transmitter and one receiver (S-TX1-S and S-RX1-S, both included). Each component can be mounted discretely in the back of an equipment rack or to any suitable flat surface. Linking the two components requires just one run of Crestron CresFiber® 8G fiber optic cable^[1]. Crestron offers a full line of rugged CresFiber cables and installation tools for a complete solution.

SPECIFICATIONS

Communications

Sonnex® Link: 64-channel (48 utilized) digital audio w/embedded control, auto-discovery, auto-negotiating

Connectors – S-TX1-S Transmitter

MMF/SC OUT: (1) SC female optical fiber connector;
Sonnex Link over Fiber output;
Connects to IN MMF/SC port of the S-RX1-S receiver via CresFiber 8G fiber optic cable^[1]

SONNEX DIGITAL IN: (1) 8-wire RJ45 female;
Sonnex Link input;
Connects to SWAMP-24X8 Multiroom Audio System^[2]

12VDC .13 A: (1) 2.5 x 5.5 mm DC power connector;
12 Volt DC power input (PW-1215WU power pack included)

Connectors – S-RX1-S Receiver

MMF/SC IN: (1) SC female optical fiber connector;
Sonnex Link over Fiber input;
Connects to OUT MMF/SC port of the S-TX1-S transmitter via CresFiber 8G fiber optic cable^[1]

SONNEX DIGITAL OUT: (1) 8-wire RJ45 female;
Sonnex Link output;
Connects to SWAMPE Multiroom Audio Expander^[2]

12VDC .13 A: (1) 2.5 x 5.5 mm DC power connector;
12 Volt DC power input (PW-1215WU power pack included)



Indicators – S-TX1-S Transmitter

PWR: (1) green LED, indicates operating power supplied via power pack
SONNEX DIGITAL IN: (1) green and (1) amber LEDs, green indicates link status and amber indicates data communication
OUT MMF/SC: (1) green LED, indicates fiber link status

Indicators – S-RX1-S Receiver

PWR: (1) green LED, indicates operating power supplied via power pack
SONNEX DIGITAL OUT: (1) green and (1) amber LEDs, green indicates link status and amber indicates data communication
IN MMF/SC: (1) green LED, indicates fiber link status

Power Requirements

Power Packs: (2x) 130 mA @ 12 Volts DC;
100-240 Volts AC, 50/60 Hz power pack, model PW-1215WU, quantity 2 included

Environmental

Temperature: 32° to 104°F (0° to 40°C)
Humidity: 10% to 90% RH (non-condensing)
Heat Dissipation: S-TX1-S: 7 BTU/hr;
S-RX1-S: 7 BTU/hr

Enclosure (Typical of 2)

Construction: Aluminum w/polycarbonate label overlay and (4) integral mounting flanges

Mounting: Freestanding, surface mount, or attach to a single rack rail

Dimensions (Typical of 2)

Height: 1.42 in (37 mm)
Width: 3.75 in (96 mm)
Depth: 4.32 in (110 mm)

Weight

S-TX1-S Transmitter: 10 oz (284 g)
S-RX1-S Receiver: 10 oz (284 g)

