# S-EXT1-S



## Sonnex<sup>®</sup> Link over Fiber Extender

- > Extends the Sonnex<sup>®</sup> 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<sup>®</sup> S-EXT1-S is an optional accessory for the Sonnex<sup>®</sup> 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<sup>[1]</sup>. It is ideal for any application that requires running the Sonnex Link between a main house and guest house, pool house, or other outbuilding, 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<sup>®</sup> 8G fiber optic cable<sup>[1]</sup>. 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<sup>[1]</sup>

SONNEX DIGITAL IN: (1) 8-wire RJ45 female; Sonnex Link input;

Connects to SWAMP-24X8 Multiroom Audio System<sup>[2]</sup>

**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<sup>[1]</sup>

SONNEX DIGITAL OUT: (1) 8-wire RJ45 female;

Sonnex Link output; Connects to SWAMPE Multiroom Audio Expander<sup>[2]</sup>

**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 Transmitter

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)



## **MODELS & ACCESSORIES**

#### **Available Models**

S-EXT1-S: Sonnex® Link over Fiber Extender

#### **Included Accessories**

**PW-1215WU:** Wall Mount Power Pack 12VDC, 1.5A, Universal (Qty. 2 included)

#### Available Accessories

**CRESFIBER8G-NP:** CresFiber<sup>®</sup> 8G Fiber Optic Cable, 50/125 x4 breakout, non-plenum

CRESFIBER8G-P: CresFiber<sup>®</sup> 8G Fiber Optic Cable, 50/125 x4 breakout, plenum

CRESFIBER-CONN-SC50UM-12: CresFiber<sup>®</sup> Fiber Optic Cable Connector (AFL Telecommunications<sup>™</sup>), SC 50µm, 12-Pack

CRESFIBER-TK: CresFiber<sup>®</sup> Termination Kit (AFL Telecommunications<sup>™</sup>) CRESFIBER-SINGLE-SC-P: CresFiber<sup>®</sup> Simplex Fiber Optic Cable Assembly, 50/125, SC, Plenum

**CRESFIBER-SINGLE-SC-ARMORED-P:** CresFiber® ARMORED Simplex Fiber Optic Cable Assembly, 50/125, SC, Armored, Plenum **CRESFIBER-SINGLE-SC-CLEAR-NP:** CresFiber® CLEAR Simplex Fiber

Optic Cable Assembly, 50/125, SC, Non-Plenum



DM-CBL-8G-NP: DigitalMedia 8G<sup>™</sup> Cable, non-plenum DM-CBL-8G-P: DigitalMedia 8G<sup>™</sup> Cable, plenum DM-8G-CONN-100: DigitalMedia 8G<sup>™</sup> Cable Connector, 100-Pack DM-8G-CRIMP: Crimping Tool for DM-8G-CONN

Notes:

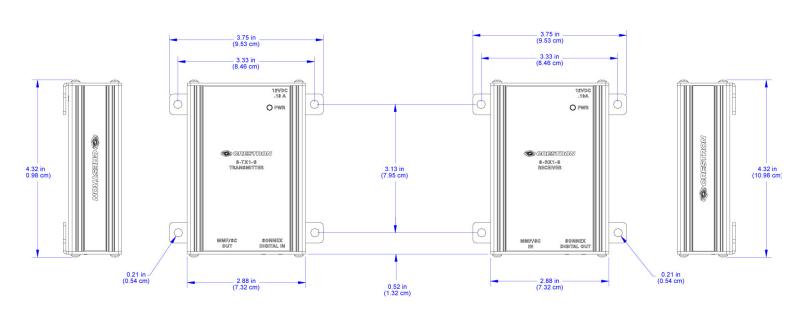
- For connection between the S-TX1-S Transmitter and S-RX1-S Receiver, use Crestron CRESFIBER8G, CRESFIBER, CRESFIBER-SINGLE-SC, or third-party OM2/OM3 multimode fiber optic cable. The maximum cable length is 2000 ft (610 m). Do not connect to a DigitalMedia network or device, or to any other network or device. All wire and cables sold separately.
- For connection of the Sonnex Link, use Crestron DM-CBL-8G or high-quality CAT5e shielded twisted-pair cable. Do not connect to a DigitalMedia network or device, or to any other network or device. All wire and cables sold separately.

This product may be purchased from an authorized Crestron dealer. To find a dealer, please contact the Crestron sales representative for your area. A list of sales representatives is available online at www.crestron.com/salesreps or by calling 800-237-2041.

The specific patents that cover Crestron products are listed online at: patents.crestron.com.

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