

# S-OPT

## REAC Optical Converter



The S-OPT is an optical converter that converts RSS Digital Snake System REAC signals to and from optical signals for long distance digital audio transmission. By using the REAC optical converter and optical cables (sold separately), the REAC transmission distance can be extended to a maximum of 2 kilometers (1.2 miles.)

### Features

The S-OPT optical connectors are Neutrik OpticalCon® connectors and support Mobile Fiber Cable from Neutrik. This optical interface provides for transmitting audio over long distances using optical cables while still taking advantage of the RSS Digital Snake System's mobility.

OpticalCon® provides a Dual LC optical connector (standard LC-Duplex connector, IEC 61754-20) enabling the use of less expensive optical cables with the RSS Digital Snake System.

Two S-OPT units can be connected using the proprietary POWER LINK cable (ARC-15, sold separately) so that redundant power can be supplied from one unit to the other. If power to a single unit is interrupted due to un-expected situation or is damaged, both units will still continue to operate.

Get More Information Online  
[www.rssamerica.com/sopt](http://www.rssamerica.com/sopt)



Optical fiber cables are available from Neutrik. Visit [www.neutrik.com](http://www.neutrik.com) for local distribution.

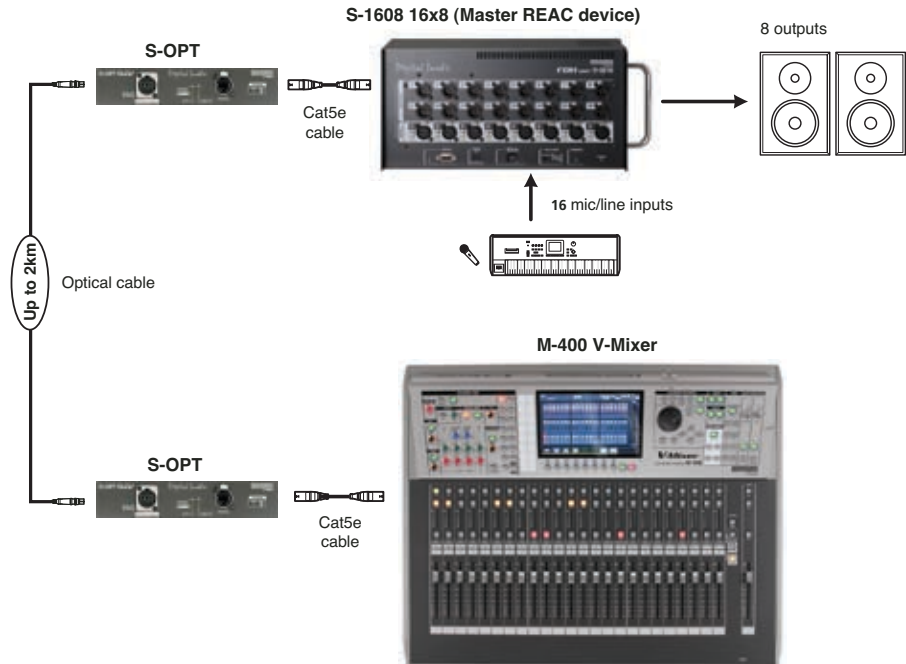
### Specifications

- Connectors
  - OPTICAL Port(Dual LC, OpticalCon type) x 1
  - REAC Port (RJ-45, EtherCon type) x 1
  - POWER LINK Port (mini-DIN 8pin type) x 1
- Indicators
  - REAC ACTIVE Indicator: Green x 1
  - REAC CONNECTION Indicator: Green x 1
  - OPTICAL ACTIVE Indicator: Orange x 1
  - OPTICAL CONNECTION Indicator: Orange x 1
  - POWER EXT Indicator: Blue x 1
  - POWER INT Indicator: Blue x 1
- Power Supply
  - AC 115 V, AC 117 V, AC 220 V, AC 230 V, AC 240 V (50/60 Hz)
- Power Consumption
  - 10 W
- Dimensions
  - 218.0 (W) x 239.9 (D) x 46.3 (H) mm
  - 8-5/8 (W) x 9-1/2 (D) x 1-7/8 (H) inches
- Weight
  - 1.3kg
  - 2 lbs 14 oz
- Operation Temperature
  - 0 to +40 degrees centigrade
  - +32 to +104 degrees Fahrenheit
- Accessories
  - Power Cord x 1
  - REAC Cable (5m) x 1
  - REAC Connector Cover x 1
  - Rubber Foot x 4
  - Screw Set x 1
  - Owner's Manual
- Options
  - REAC Cable(100m): SC-W100S
  - POWER LINK Cable: ARC-15 (AR-LINK CABLE)
  - Rack Mount Adaptor: RAD-50

In the interest of product improvement, the specifications and/or appearance of this unit are subject to change without prior notice.

**Basic System Example**

This system setup is for anyone needing REAC transmission over 100 meters and up to 2 km (1.2 miles). Connect an Ethercon cable from S-1608 Digital Snake to the S-OPT stage unit. Connect an OpticalCon or standard optical cable from stage S-OPT to the FOH S-OPT. Simple connect an Ethercon cable from the FOH S-OPT to the M-400 V-Mixing System console. If you require more than 2 km in distance you can gain an additional 100 meters of Cat5e cable from the stage and FOH positions giving you a total of 2.2 km in distance.



**32 x 8 Digital Snake (Redundant)**

This system is a must for anyone requiring REAC transmissions over 100 meters and requires redundancy. The S-4000-3208 Digital Snake has built in redundant REAC ports so simply connect two S-OPT's at the stage and FOH positions. Two S-OPT units can be connected using the proprietary POWER LINK cable (ARC-15, sold separately) so that redundant power can be supplied from one unit to the other. If power to a single unit is interrupted due to an unexpected situation or is damaged, both units will still continue to operate.

