

Features

- Automatic Frequency Selection
- Automatic Transmitter Setup
- 960 Selectable frequencies across 24 MHz bandwidth
- Detachable 1/4 wave antennas
- Microprocessor-controlled diversity
- RF presence LED
- 5-segment audio meter
- Multi-function, backlit LCD
- Low battery indicator
- Frequency and power lockout
- Rugged metal chassis
- Volume control on rear of unit
- 1/2 rack design
- Furnished rack hardware
- Non-slip bumpers for use out of rack
- XLR and 1/4" outputs
- Optional logic functionality for software echo cancellation and remote battery life monitoring (SLX4L only)

Specifications

Dimensions

42 mm H x 197 mm W x 134 mm D (1.65 x 7.76 x 5.28 in.)

Weight

816 g (1 lb. 13 oz.)

Housing

Galvanized steel

Audio Output Level (ref. +/- 38 kHz deviation with 1 kHz tone)

XLR connector (into 600 Ω load): -13 dBV

1/4 inch connector (into 3000 Ω load): -2 dBV

Output Impedance

XLR connector: 200 Ω

1/4 inch connector: 1k Ω

XLR output

Impedance balanced

Pin 1: Ground

Pin 2: (+)

Pin 3: (-)

Sensitivity

-105 dBm for 12 dB SINAD, typical

Image Rejection

>70 dB, typical

Power Requirements

12-18 Vdc at 150 mA, supplied by external power supply

Operating Range Under Typical Conditions

100m (300 ft.)

Note: Actual range depends on RF signal absorption, reflection, and interference

Audio Frequency Response (+/- 2 dB)

Minimum: 45 Hz

Maximum: 15 kHz

Note: Overall system frequency depends on microphone element.

Total Harmonic Distortion (ref. +/- 38 kHz deviation, 1 kHz tone)

0.5%, typical

Dynamic Range

>100 dB A-weighted

Operating Temperature Range

-18°C (0°F) to +50°C (+122°F)

Note: battery characteristics may limit this range

Transmitter Audio Polarity

Positive pressure on microphone diaphragm (or positive voltage applied to tip of WA302 phone plug) produces positive voltage on pin 2 (with respect to pin 3 of low impedance output) and the tip of the high impedance 1/4-inch output.

Logic Connections (SLX4L only)

Pin 1: Logic output, Transmitter Mute Status. Mute=low (0 V). Sinks up to 100 mA.

Absolute maximum -0.7 to 5.5V DC

Pin 2: Logic ground

Pin 3: Logic output, Battery Status. Good=low (0 V). Sinks up to 100 mA.

Absolute maximum -0.7 to 5.5V DC