SHURE®

LEGENDARY
PERFORMANCE™

SLX® WIRELESS SYSTEMS

SMART, HARD-WORKING WIRELESS.

SLX® Wireless Microphone Systems

EVERYWHERE WIRELESS.

Whether it's for a sound installation or a working band on the road, audio professionals need powerful wireless tools that can be set up quickly and used confidently. Shure's rugged SLX Wireless Systems exceed these demands with innovative automatic setup features, exceptional wireless clarity and legendary Shure microphones. Supporting up to 20 compatible systems across multiple UHF frequency bands, SLX smoothly integrates into houses of worship, lecture halls, conference rooms and mobile gear cases.

Shure's patented Audio Reference Companding
Delivers crystal-clear audio transmission, far superior to conventional wireless technology

Auto Frequency Selection
Locates a clear channel instantly

Auto Transmitter Setup
Infrared link automatically syncs the transmitter and receiver

Wireless Receiver

- Detachable ¼ wave antennas
- Backlit LCD
- Rack-mount hardware included
- ¼" and XLR audio outputs
- Frequency and power lockout
- Volume control on rear of unit
- Rugged metal construction

Handheld or Bodypack Transmitter

- Choice of Shure handheld microphones
- Bodypack works with headworn, lavalier and instrument microphones and cables
- Timed backlit LCD
- Frequency and power lockout
- 2 AA batteries (included) provide 8 hours of continuous use
- 100m (300 ft.) operating range

Available System Options

Handheld

SM58®
SM86
BETA 58A®
BETA 87A
BETA 87C

Systems include:
SLX4 Diversity Receiver and a choice of Handheld Microphone Transmitter.

SLX24/SM58
SLX24/SM86
SLX24/BETA58
SLX24/BETA87A
SLX24/BETA87C

Lavalier

WL93
WL184
WL185

Headworn

SM35*
*Available in select regions.

Guitar

WA302

Instrument

WB98H/C

Systems include:
SLX4 Diversity Receiver, SLX1 Bodypack Transmitter and a choice of Microphone or Guitar/Bass Cable.

SLX14/93
SLX14/84
SLX14/85
SLX14/SM35
SLX14
SLX14/BETA98H

Combo

SM58®
WL185

System includes:
SLX4 Diversity Receiver, SLX1 Bodypack Transmitter and SLX2 andheld Transmitter.

SLX124/85/SM58

Wireless Microflex® Boundary/Gooseneck

MX690

MX405
with MX890

MX410
with MX890

Microflex Microphones are sold as components only.

Optional Accessories

UA221 Passive Antenna Splitter
UA505 Remote Mount Kit for ½ wave antennas
UA820 ½ Wave Antennas
UA825 25´ cable for ½ wave antennas
UA844SWB Antenna/Power Distribution System
UA850 50´ cable for ½ wave antennas
UA830 Active Remote Antenna Kit (UA844 required)
UA870 Active Directional Antenna (UA844 required)
WA610 Universal Hard Carrying Case transmitter

Optional Logic Functionality

A logic circuit and associated block connector is provided on the SLX4L receiver, designed to function optimally with software echo cancellers and provide remote monitoring of transmitter battery life. Supported models include MX690, MX890, and SLX4L receiver.

SLX4L Wireless Receiver with Logic
MX690 Wireless Microflex® Boundary Microphone
MX890 Wireless Microflex® Desktop Base

System Specifications

NOTE: All specifications are subject to change.

Frequency Range and Transmitter Output Level

Band	Range	SLX1/SLX2	MX690/ MX890
H5	518–542 MHz	30 mW	10 mW
J3	572–596 MHz	28 mW	28 mW
L4	638–662 MHz	30 mW	10 mW
P4	702–726 MHz	30 mW	10 mW
R5	800–820 MHz	20 mW	10 mW
S6	838–865 MHz	10 mW	10 mW
JB	806–810 MHz	10 mW	10 mW
Q4	740–752 MHz	10 mW	10 mW
R13	794–806 MHz	20 mW	10 mW
G4	470–494 MHz	30 mW	10 mW
G5	494–518 MHz	30 mW	10 mW

Operating Range:
30–100 m (100–300 ft.) under typical conditions, depending on transmitter type
Note: actual range depends on RF signal absorption, reflection, and interference.

Audio Frequency Response:
Minimum: 45 Hz, Maximum: 15 kHz (± 2 dB)

Total Harmonic Distortion:
0.5%, typical (ref. ± 38 kHz deviation, 1 kHz tone)

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 ¼-inch output.

NOTE: This radio apparatus may be capable of operating on some frequencies not authorized in your region. Please contact your national authority to obtain information on authorized frequencies and output power levels for wireless microphone products in your region.

Audio Reference Companding

- No “breathing” noise
- Lower noise floor
- More headroom - won’t clip as easily
- Clearer sound at all audio levels
- Sounds more like a wired mic

Component Specifications

Receiver

SLX4 Receiver Front

SLX4 Receiver Rear

SLX4L Receiver Rear

SLX4/SLX4L

Housing:
Galvanized steel

Audio Output Level:
(ref. ± 38 kHz deviation with 1 kHz tone)
XLR connector (into 600 Ω load): –13 dBV
¼ inch connector (into 3000 Ω load): –2 dBV

Sensitivity:
–105 dBm for 12 dB SINAD, typical

Image Rejection
>70 dB, typical

Power:
12–18 Vdc at 150 mA, supplied by external power supply

Weight:
816 g (1 lb. 13 oz.)

Dimensions:
42 mm H x 197 mm W x 134 mm D

Handheld Transmitter

SLX2

Housing:
Molded ABS handle and battery cup

Audio Input Level:
-8 dBV maximum at 0dB position

Operating range:
100 m (300 ft.)

Power Requirements:
2 “AA” size alkaline or rechargeable batteries

Battery Life (alkaline):
>8 hours

Weight:
290 grams (10.2 oz.) without batteries

Dimensions:
254 mm x 51 mm dia.
(incl. SM58 cartridge)

Bodypack Transmitter

SLX1

Housing:
Molded ABS case

Audio Input Level:
+10 dBV max. at 0 dB gain position

Operating range:
100 m (300 ft.)

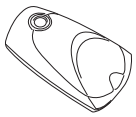
Power Requirements:
2 “AA” size alkaline or rechargeable batteries

Battery Life (alkaline):
>8 hours

Weight:
81 grams (3 oz.) without batteries

Dimensions:
108 mm H x 64 mm W x 19 mm D

Wireless Boundary Microphone



MX690

Operating Range:
30 m (100 ft.) Note: Actual range depends on RF signal absorption, reflection, and interference

Type:
Condenser (electret bias)

Polar Pattern (at 1 kHz):
Cardioid

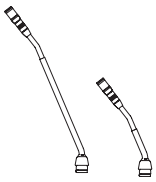
Power Requirements:
2 “AA” size alkaline or rechargeable batteries

Battery Life:
≥8 hours (alkaline)

Dimensions:
43 mm H x 87 mm W x 148 mm D

Weight:
Net: 318 g (11.2 oz)
Packaged: 516 g (18.2 oz)

Gooseneck Microphone with Wireless Desktop Base



MX405 & MX410

Type:
Condenser (electret bias)

Polar Pattern:
MX405/C, MX410/C: Cardioid
MX405/S, MX410/S: Supercardioid

Weight:
Net MX405: 54 g (1.9 oz)
Net MX410: 68 g (2.3 oz)

Dimensions:
MX405: 152mm L x 7.5mm dia.
MX410: 251 mm L x 7.5 mm dia.

MX890

Operating Range:
30 m (100 ft.) Note: Actual range depends on RF signal absorption, reflection, and interference

Power Requirements:
2 “AA” size alkaline or rechargeable batteries

Battery Life:
≥8 hours (alkaline)

Weight:
Net: 312 g (11 oz)

Dimensions
43 mm H x 87 mm W x 148 mm D

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