

# SMART, HARD-WORKING WIRELESS



# SLX® Wireless Microphone Systems

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®**

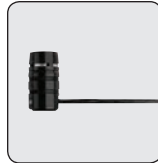
**BETA 87A**  
**BETA 87C**

**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**

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

**SLX14/93**  
**SLX14/84**  
**SLX14/85**

## HEADWORN



**WH30TQG**

**SLX14/30**

## GUITAR



**WA302**

**SLX14**

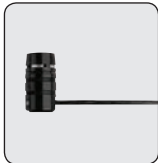
## INSTRUMENT



**WB98H/C**

**SLX14/BETA98H**

## COMBO



**SM58®**  
**WL185**

## MICROFLEX® WIRELESS BOUNDARY/GOOSENECK



**MX690**



**MX405**  
**with MX890**



**MX410**  
**with MX890**

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

**SLX124/85/SM58**

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
- UA844** 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** Microflex® Wireless Boundary Microphone
- MX890** Microflex® Wireless Desktop Base

# System Specifications

NOTE: All specifications are subject to change.

## Frequency Range and Transmitter Output Level

Range	SLX1/SLX2	MX690/ MX890
<b>H5</b> 518–542 MHz	30 mW	10 mW
<b>J3</b> 572–596 MHz	28 mW	28 mW
<b>L4</b> 638–662 MHz	30 mW	10 mW
<b>P4</b> 702–726 MHz	30 mW	10 mW
<b>R5</b> 800–820 MHz	20 mW	10 mW
<b>S6</b> 838–865 MHz	10 mW	10 mW
<b>JB</b> 806–810 MHz	10 mW	10 mW
<b>Q4</b> 740–752 MHz	10 mW	10 mW
<b>R13</b> 794–806 MHz	20 mW	10 mW
<b>G4</b> 470–494 MHz	30 mW	10 mW
<b>G5</b> 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 ( $\pm 2$  dB)

### Total Harmonic Distortion:

0.5%, typical (ref.  $\pm 38$  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.



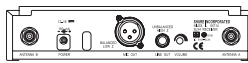
- No “breathing” noise
- Lower noise floor
- More headroom - won't clip as easily
- Clearer sound at all audio levels
- Sounds more like a wired mic

# Component Specifications

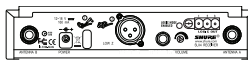
## Receiver Handheld Transmitter Bodypack Transmitter



SLX4 Receiver Front



SLX4 Receiver Rear



SLX4L Receiver Rear



### SLX4/SLX4L

#### Housing:

Galvanized steel

#### Audio Output Level:

(ref.  $\pm 38$  kHz deviation with 1 kHz tone)

XLR connector (into 600  $\Omega$  load):

-13 dBV

¼ inch connector (into 3000  $\Omega$  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

### 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)

### 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

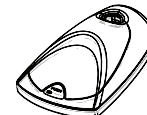
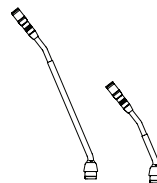
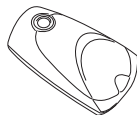
#### Weight:

81 grams (3 oz.) without batteries

#### Dimensions:

108 mm H x 64 mm W x 19 mm D

## Wireless Boundary Microphone Gooseneck Microphone with Wireless Desktop Base



### 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:

$\geq 8$  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)

### 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:

$\geq 8$  hours (alkaline)

#### Weight:

Net: 312 g (11 oz)

#### Dimensions:

43 mm H x 87 mm W x 148 mm D



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