SLX™ WIRELESS MICROPHONE SYSTEMS

SMART, HARD-WORKING 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.

**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, lavaliere 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

<table>
<thead>
<tr>
<th>Handheld</th>
<th>Lavalier</th>
<th>Headworn</th>
<th>Guitar</th>
<th>Instrument</th>
</tr>
</thead>
<tbody>
<tr>
<td>SM58®</td>
<td>BETA 87A</td>
<td>SM35*</td>
<td>WA302</td>
<td>WB98H/C</td>
</tr>
<tr>
<td>SM86</td>
<td>BETA 87C</td>
<td>WL93</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BETA 58A®</td>
<td></td>
<td>WL184</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

| SLX24/SM58 | SLX24/BETA87A |
| SLX24/SM66 | SLX24/BETA87C |

**Combo**

<table>
<thead>
<tr>
<th>Wireless Microflex® Boundary/Gooseneck</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SM58®</strong></td>
</tr>
<tr>
<td>WL185</td>
</tr>
</tbody>
</table>

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

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

**Optional Accessories**

<table>
<thead>
<tr>
<th>UA221</th>
<th>UA505</th>
<th>UA820</th>
<th>UA825</th>
<th>UA844SWB</th>
<th>UA850</th>
<th>UA830</th>
<th>UA870</th>
<th>WA610</th>
</tr>
</thead>
<tbody>
<tr>
<td>Passive Antenna Splitter</td>
<td>Remote Mount Kit for ½ wave antennas</td>
<td>½ Wave Antennas</td>
<td>25’ cable for ½ wave antennas</td>
<td>Antenna/Power Distribution System</td>
<td>50’ cable for ½ wave antennas</td>
<td>Active Remote Antenna Kit (UA844 required)</td>
<td>Active Directional Antenna (UA844 required)</td>
<td>Universal Hard Carrying Case transmitter</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>SLX4L</th>
<th>MX690</th>
<th>MX890</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wireless Receiver with Logic</td>
<td>Wireless Microflex® Boundary Microphone</td>
<td>Wireless Microflex® Desktop Base</td>
</tr>
</tbody>
</table>
System Specifications

NOTE: All specifications are subject to change.

### Frequency Range and Transmitter Output Level

<table>
<thead>
<tr>
<th>Band</th>
<th>Range</th>
<th>SLX1/SLX2</th>
<th>MX690/ MX890</th>
</tr>
</thead>
<tbody>
<tr>
<td>H5</td>
<td>518–542 MHz</td>
<td>30 mW</td>
<td>10 mW</td>
</tr>
<tr>
<td>J3</td>
<td>572–596 MHz</td>
<td>28 mW</td>
<td>28 mW</td>
</tr>
<tr>
<td>L4</td>
<td>638–662 MHz</td>
<td>30 mW</td>
<td>10 mW</td>
</tr>
<tr>
<td>P4</td>
<td>702–726 MHz</td>
<td>30 mW</td>
<td>10 mW</td>
</tr>
<tr>
<td>R5</td>
<td>800–820 MHz</td>
<td>20 mW</td>
<td>10 mW</td>
</tr>
<tr>
<td>S6</td>
<td>838–865 MHz</td>
<td>10 mW</td>
<td>10 mW</td>
</tr>
<tr>
<td>J6</td>
<td>860–890 MHz</td>
<td>10 mW</td>
<td>10 mW</td>
</tr>
<tr>
<td>Q4</td>
<td>740–752 MHz</td>
<td>10 mW</td>
<td>10 mW</td>
</tr>
<tr>
<td>R13</td>
<td>794–806 MHz</td>
<td>20 mW</td>
<td>10 mW</td>
</tr>
<tr>
<td>G4</td>
<td>470–494 MHz</td>
<td>30 mW</td>
<td>10 mW</td>
</tr>
<tr>
<td>G5</td>
<td>494–518 MHz</td>
<td>30 mW</td>
<td>10 mW</td>
</tr>
</tbody>
</table>

**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.

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Component Specifications

### Receiver

**SLX4/SLX4L**

- **Housing:** Galvanized steel
- **Audio Output Level:**
  - XLR connector (into 600 Ω load): –13 dBV
  - ¼ inch connector (into 3000 Ω load): –2 dB
- **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.)
- **Dimensions:**
  - 254 mm L x 51 mm dia.

### 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.)
- **Dimensions:**
  - 108 mm H x 64 mm W x 19 mm D

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