WIRELESS MICROPHONE OPTIONS

Interchangeable mic heads are compatible with all Shure handheld transmitters with the exception of BLX and GLX-D.

GLOSSARY

COMPATIBLE SYSTEMS PER BAND
Each wireless microphone needs its own frequency to operate and transmit properly. It is not possible to use two wireless systems on the same frequency.

For example, if four members of the same group want to go wireless, you need four wireless systems (a system consists of a transmitter and receiver) on four different and compatible frequencies. The number of compatible systems per band indicates how many wireless systems can be used simultaneously in one frequency band. A band refers to the range of frequencies a wireless system can tune over (e.g. 518 – 578 MHz).

MAXIMUM NUMBER OF SYSTEMS PER BAND
Most wireless systems are available in multiple frequency bands. By combining frequency bands, you can typically use a larger number of systems.

AUTO SETUP FEATURES
Scan (Auto Frequency Selection): The receiver quickly locates a clear channel.
Sync (Auto Transmitter Setup): An infrared signal from the receiver automatically programs the transmitter to the correct frequency.

ADVANCED ANTENNA OPTIONS
When using three or more wireless receivers in one rack, we highly recommend the use of antenna distribution to allow multiple receivers to share a single pair of antennas. If the receivers are located in another room, or line-of-sight is otherwise obstructed, then remote mounting the antennas is also encouraged. Directional antennas are available for long distance applications.

PG58
A rugged mic tuned to accentuate the clarity of lead and backup vocals.
Cardioid
Dynamic
60 Hz – 15 kHz*

SM58®
The legendary Shure vocal mic designed for superior vocal clarity and warmth. Consistently the first choice of performers around the globe.
Cardioid
Condenser
50 Hz – 15 kHz*

SM86
This condenser microphone features a tailored frequency response for warm and rich vocal reproduction. It’s solid build enables it to withstand rigors of daily use on stage.
Cardioid
Condenser
50 Hz – 18 kHz*

SM87®
A top choice among vocalists for its smooth extended frequency response. Provides maximum isolation from other onstage sounds.
Supercardioid
Dynamic
50 Hz – 16 kHz*

SM87A
This wireless microphone capsule features a forgiving polar pattern and condenser element making it an ideal option for professional and mobile media production applications.
Omnidirectional
Condenser
40 Hz – 20 kHz*
## WIRELESS SYSTEMS

### Handheld Configurations

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>PG58, SM58®, SM86, Beta 58A®</td>
<td>Up to 6</td>
<td>Up to 12</td>
<td>Up to 23</td>
<td>Up to 23</td>
<td>Up to 8</td>
<td>Up to 8</td>
<td>Up to 4</td>
</tr>
<tr>
<td>PG58, SM58®, Beta 58A®</td>
<td>Up to 6</td>
<td>Up to 12</td>
<td>Up to 23</td>
<td>Up to 23</td>
<td>Up to 8</td>
<td>Up to 8</td>
<td>Up to 4</td>
</tr>
<tr>
<td>PG58, SM58®, Beta 58A®</td>
<td>Up to 6</td>
<td>Up to 12</td>
<td>Up to 23</td>
<td>Up to 23</td>
<td>Up to 8</td>
<td>Up to 8</td>
<td>Up to 4</td>
</tr>
<tr>
<td>PG58, SM58®, Beta 58A®</td>
<td>Up to 6</td>
<td>Up to 12</td>
<td>Up to 23</td>
<td>Up to 23</td>
<td>Up to 8</td>
<td>Up to 8</td>
<td>Up to 4</td>
</tr>
<tr>
<td>PG58, SM58®, Beta 58A®</td>
<td>Up to 6</td>
<td>Up to 12</td>
<td>Up to 23</td>
<td>Up to 23</td>
<td>Up to 8</td>
<td>Up to 8</td>
<td>Up to 4</td>
</tr>
<tr>
<td>SM58®, SM86, Beta 87A</td>
<td>Up to 6</td>
<td>Up to 12</td>
<td>Up to 23</td>
<td>Up to 23</td>
<td>Up to 8</td>
<td>Up to 8</td>
<td>Up to 4</td>
</tr>
<tr>
<td>SM58®, SM86, Beta 87A</td>
<td>Up to 6</td>
<td>Up to 12</td>
<td>Up to 23</td>
<td>Up to 23</td>
<td>Up to 8</td>
<td>Up to 8</td>
<td>Up to 4</td>
</tr>
<tr>
<td>SM58®, SM86, Beta 87A</td>
<td>Up to 6</td>
<td>Up to 12</td>
<td>Up to 23</td>
<td>Up to 23</td>
<td>Up to 8</td>
<td>Up to 8</td>
<td>Up to 4</td>
</tr>
<tr>
<td>SM58®, SM86, Beta 87A</td>
<td>Up to 6</td>
<td>Up to 12</td>
<td>Up to 23</td>
<td>Up to 23</td>
<td>Up to 8</td>
<td>Up to 8</td>
<td>Up to 4</td>
</tr>
<tr>
<td>SM58®, SM86, Beta 87A</td>
<td>Up to 6</td>
<td>Up to 12</td>
<td>Up to 23</td>
<td>Up to 23</td>
<td>Up to 8</td>
<td>Up to 8</td>
<td>Up to 4</td>
</tr>
<tr>
<td>SM58®, SM86, Beta 87A</td>
<td>Up to 6</td>
<td>Up to 12</td>
<td>Up to 23</td>
<td>Up to 23</td>
<td>Up to 8</td>
<td>Up to 8</td>
<td>Up to 4</td>
</tr>
<tr>
<td>SM58®, SM86, Beta 87A</td>
<td>Up to 6</td>
<td>Up to 12</td>
<td>Up to 23</td>
<td>Up to 23</td>
<td>Up to 8</td>
<td>Up to 8</td>
<td>Up to 4</td>
</tr>
<tr>
<td>SM58®, SM86, Beta 87A</td>
<td>Up to 6</td>
<td>Up to 12</td>
<td>Up to 23</td>
<td>Up to 23</td>
<td>Up to 8</td>
<td>Up to 8</td>
<td>Up to 4</td>
</tr>
</tbody>
</table>

### Internal antennas

- PGX: ¼-wave BLX4/BLX88 = internal
- BLX: ¼-wave BLX4/BLX88 = internal
- GLX-D: ¼-wave GLXD4 = attached ¼ wave
- GLX-D: ¼-wave GLXD6 = Internal Monopole

### Rechargeable Batteries, Battery Life

- PGX902 GLX-D Lithium-ion battery (available separately)
- SBC-902 USB battery dock charger (available separately)
- Charge Battery In Transmitter
- USB charge cable (included)
- SBC-USB USB wall charger (GLX-D single = available separately, GLX-D Pedal = included)
- SBC-CAR USB car charger (available separately)

### Note:
- All specifications are subject to change.
- Actual number of compatible systems will vary depending on setup and environment.
## WIRELESS SYSTEMS

### SLX® Wireless
- **Handheld Configurations**
  - **Compatible Systems Per Band**
  - **Receiver Format**
  - **Portable Receiver**
  - **Auto Setup Features**
  - **Audio Reference Comping**
  - **Audio Summing**
  - **Furnished Antennas**
  - **Receiver Display**
  - **Plug On Transmitter**
  - **Comprehensive Frequency Range**
  - **Computer Monitoring & Control**
  - **Rack Hardware**
  - **Audio Reference Comping**
  - **Audio Summing**
  - **Furnished Antennas**
  - ** Receiver Display**
  - **Plug On Transmitter**
  - **Rechargeable Accessories**

### ULX® Wireless
- **Handheld Configurations**
- **Compatible Systems Per Band**
- **Receiver Format**
- **Portable Receiver**
- **Auto Setup Features**
- **Audio Reference Comping**
- **Audio Summing**
- **Furnished Antennas**
- **Receiver Display**
- **Plug On Transmitter**
- **Comprehensive Frequency Range**
- **Computer Monitoring & Control**
- **Rack Hardware**
- **Audio Reference Comping**
- **Audio Summing**
- **Furnished Antennas**
- ** Receiver Display**
- **Plug On Transmitter**
- **Rechargeable Accessories**

### QLX-D® Digital Wireless
- **Handheld Configurations**
- **Compatible Systems Per Band**
- **Receiver Format**
- **Portable Receiver**
- **Auto Setup Features**
- **Audio Reference Comping**
- **Audio Summing**
- **Furnished Antennas**
- **Receiver Display**
- **Plug On Transmitter**
- **Comprehensive Frequency Range**
- **Computer Monitoring & Control**
- **Rack Hardware**
- **Audio Reference Comping**
- **Audio Summing**
- **Furnished Antennas**
- ** Receiver Display**
- **Plug On Transmitter**
- **Rechargeable Accessories**

### ULX-D® Digital Wireless
- **Handheld Configurations**
- **Compatible Systems Per Band**
- **Receiver Format**
- **Portable Receiver**
- **Auto Setup Features**
- **Audio Reference Comping**
- **Audio Summing**
- **Furnished Antennas**
- **Receiver Display**
- **Plug On Transmitter**
- **Comprehensive Frequency Range**
- **Computer Monitoring & Control**
- **Rack Hardware**
- **Audio Reference Comping**
- **Audio Summing**
- **Furnished Antennas**
- ** Receiver Display**
- **Plug On Transmitter**
- **Rechargeable Accessories**

### UHF-R® Wireless
- **Handheld Configurations**
- **Compatible Systems Per Band**
- **Receiver Format**
- **Portable Receiver**
- **Auto Setup Features**
- **Audio Reference Comping**
- **Audio Summing**
- **Furnished Antennas**
- **Receiver Display**
- **Plug On Transmitter**
- **Comprehensive Frequency Range**
- **Computer Monitoring & Control**
- **Rack Hardware**
- **Audio Reference Comping**
- **Audio Summing**
- **Furnished Antennas**
- ** Receiver Display**
- **Plug On Transmitter**
- **Rechargeable Accessories**

### Axient® Wireless
- **Handheld Configurations**
- **Compatible Systems Per Band**
- **Receiver Format**
- **Portable Receiver**
- **Auto Setup Features**
- **Audio Reference Comping**
- **Audio Summing**
- **Furnished Antennas**
- **Receiver Display**
- **Plug On Transmitter**
- **Comprehensive Frequency Range**
- **Computer Monitoring & Control**
- **Rack Hardware**
- **Audio Reference Comping**
- **Audio Summing**
- **Furnished Antennas**
- ** Receiver Display**
- **Plug On Transmitter**
- **Rechargeable Accessories**

---

**Accessories**

**Rechargeable Accessories**

- **Antennas**
  - **PA84US** Wall Mounted Wideband Antenna (470-698 MHz)
  - **PA84USL** Helical Antenna Directional (480-900 MHz)
  - **PA84US** Antenna / Power Distribution System
  - **PA84US** Antenna / Power Distribution System

- **Antenna Distribution Amplifiers and Splitters**
  - **UA804US** Antenna Amplifier (470-698 MHz)
  - **UA804US** Antenna Amplifier (470-698 MHz)
  - **UA804US** Antenna Amplifier (470-698 MHz)
  - **UA221** (Passive) Antenna Splitter / Combiner

- **Charger**
  - **8000** Single USB Battery Charger
  - **8000** Dual Docking Battery Charger
  - **8000** Eight Bay Battery Charger
  - **8000** Lithium-Ion Rechargeable Battery

- **Rechargeable Battery**

---

**Note:** All specifications are subject to change. Use with SSL additionally requires UA4498B Antenna Power Distribution System. ULX receiver has ¼ wave antennas instead of ½ wave, and does not include rack hardware or group scan.

- **Band dependent**
- **Virtual number of compatible systems will vary depending on setup and environment**

---

**Last updated:** 05/2014