ULX® Wireless Systems

ULX4
Professional Diversity Receiver

RF Carrier Frequency Range
470-962 MHz (available frequencies depend on applicable country regulations)

Working Range
100 m (300 ft) under typical conditions (NOTE: Operating range depends on many variables, including RF signal absorption, reflection and interference)

Audio Frequency Range
25-15,000 Hz (NOTE: Overall system frequency response depends on microphone element)

Audio Output Level
XLR connector (into 600 ohm load) +8 dB (line), -10 dB (mic); 3/4-inch connector (into 360 ohm) +2 dB

Impedance
ULX4 and ULX4 (output): 360 ohm (XLR); 600 ohm (3/4-inch phone jack)

RF Sensitivity
1.26 mV for 12 dB SINAD (typical)

Image Rejection
65 dB typical

Spurious Rejection
75 dB typical

System Distortion
<1% THD typ

Power Requirements
ULX4 and ULX4: 14.4V DC (negative ground), 600 mA; external ac adapter supplied.

Operating Temperature Range
-20 to 50°C (-4 to 122°F) (NOTE: Battery characteristics may limit this range)

Overall Dimensions
ULX4: 45 mm H x 219 mm W x 152 mm D (1 3/8 x 8 5/8 x 6 in.)
ULXP4: 49 mm H x 219 mm W x 154 mm D (1 3/4 x 8 5/8 x 6 1/16 in.)

Net Weight
ULX4: 0.6 kg (1 lb 4 oz)
ULXP4: 1.02 kg (2 lb 4 oz)

ULX1
Bodypack Transmitter

Gain Adjustment Range
25 dB (continuously adjustable)

Impedance
input: 1 MΩ

RF Power Output
30 mW maximum (dependent on applicable country regulations)

Power Requirements
9 V alkaline battery (SHURE® MX150A recommended), 8.4 V optional

Battery Life
Up to 8 hours

Overall Dimensions
96.2 mm H x 63.5 mm W x 33.3 mm D (3.8 in. x 2.5 in. x 1.3 in.)

Net Weight (without battery)
90.7 g (3.2 oz)

ULX2
Handheld Transmitter

Gain Adjustment Range
25 dB (continuously adjustable)

RF Power Output
30 mW maximum (dependent on applicable country regulations)

Power Requirements
9 V alkaline battery (SHURE® MX150A recommended), 8.4 V optional

Battery Life
Up to 8 hours

Overall Dimensions
ULX2/58, ULX2/BETA 58: 241 mm L x 50.8 mm Dia. (9 1/2 in. x 2 in.)
ULX2/87, ULX2/BETA 87: 216 mm L x 50.8 mm Dia. (8 1/2 in. x 2 in.)

Net Weight (without battery)
ULX2/58, ULX2/BETA 58: 298 g (10.4 oz)
ULX2/86, ULX2/87, ULX2/BETA 87: 195 g (6.8 oz)

ULXS4
Standard Diversity Receiver

Gain Adjustment Range
40 dB (continuously adjustable)

Impedance
input: 1 MΩ

RF Power Output
30 mW maximum (dependent on applicable country regulations)

Power Requirements
9 V alkaline battery (DURACELL® MN1604 recommended); 8.4 V optional

Battery Life
Up to 8 hours

Overall Dimensions
ULX2/58, ULX2/BETA 58: 241 mm L x 50.8 mm Dia. (9 1/2 in. x 2 in.)
ULX2/87, ULX2/BETA 87: 216 mm L x 50.8 mm Dia. (8 1/2 in. x 2 in.)

Net Weight (without battery)
ULX2/58, ULX2/BETA 58: 298 g (10.4 oz)
ULX2/86, ULX2/87, ULX2/BETA 87: 195 g (6.8 oz)
ULX® Wireless Systems

**TAKE CONTROL.**

Wireless applications of increased complexity and scale require powerful solutions. Experienced audio engineers and sound contractors rely on Shure ULX® wireless systems to achieve clear, hassle-free wireless sound. An ultra-wide tuning range with up to 40 compatible systems guarantees confident command of demanding installations and live sound productions.

**Bulletproof wireless performance.**
Ultra-wide 36 MHz bandwidth and automatic frequency selection ensures consistent operation across multiple TV channels with no setup hassles.

**Superior sound quality.**
Shure’s patented Audio Reference Companding delivers crystal-clear audio transmission.

**Intuitive operation.**
Advanced front panel controls and the large multi-function LCD allow for quick monitoring of system status.

**ULXP4 Wireless Diversity Receiver**
Up to 1400 selectable frequencies
Automatic Frequency Selection with group scan function
Predictive Diversity
5-segment audio meter
5-segment RF meter
Advanced multi-function LCD

**Handheld or Bodypack Transmitter**
3-segment transmitter battery fuel gauge
Squelch adjustment
¼" rack design
Removable ½" wave antennas
Frequency and volume lockout
Rugged metal chassis
Furnished rack hardware
Locking DC connector
XLR and ¼" outputs

**Benefits**
- Location dependent
- Advanced front panel controls
- Large multi-function LCD
- 3-segment battery fuel gauge
- Squelch adjustment
- Removable ½" wave antennas
- Frequency and volume lockout
- Rugged metal chassis
- Locking DC connector
- XLR and ¼" outputs

**Applications**
Music, theater, church, educational, government, healthcare, and more.

**OPTIONAL ACCESSORIES**
- UA440 Front Mount Antenna Cable Kit
- UA455 Remote Antenna Bracket and RMC Adapter
- UA507 Rack Mount Kit for ULX Receivers
- UA59 Remote Antenna Amplifier
- UA844 Antenna/Power Distribution System

**SPECS**
- 36 MHz bandwidth
- Wireless performance with ultra-wide tuning range
- Expandable with group scan function

**For more information, visit shure.com/ulxpr**

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*Location dependent*
ULX® Wireless Systems

TAKE CONTROL.

Wireless applications of increased complexity and scale require powerful solutions. Experienced audio engineers and sound contractors rely on Shure ULX® wireless systems to achieve clear, hassle-free wireless sound. An ultra-wide tuning range with up to 40 compatible systems* guarantees confident command of demanding installations and live sound productions.

Bulletproof wireless performance. Ultra-wide 36 MHz bandwidth and automatic frequency selection ensures consistent operation across multiple TV channels with no setup hassles.

Superior sound quality. Shure’s patented Audio Reference Comping delivers crystal-clear audio transmission.

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Bulletproof wireless performance. Ultra-wide 36 MHz bandwidth and automatic frequency selection ensures consistent operation across multiple TV channels with no setup hassles.

Intuitive operation. Advanced front panel controls and the large multi-function LCD allow for quick monitoring of system status.

Handheld or Bodypack Transmitter

- 3-segment battery fuel gauge
- Squelch adjustment
- ½ rack design
- Removable ½ wave antennas
- Frequency and volume lockout
- Rugged metal chassis
- Furnished rack hardware
- Locking DC connector
- XLR and ¼” outputs

ULX4 Wireless Diversity Receiver

- Up to 1400 selectable frequencies
- Automatic Frequency Selection with group scan function
- Predictive Diversity
- 5-segment audio meter
- 5-segment RF meter
- Advanced multi-function LCD

OPTIONAL ACCESSORIES

- PA805 UHF Passive Directional Antenna
- RKS23G Black grille replacement option for Beta 58A
- RKS24G Black grille replacement option for Beta 87
- UA223 UHF Active Remote Antenna Amplifier
- UA440 Front Mount Antenna Cable Kit
- UA844 Antenna/Power Distribution System
- UA305 Remote Antenna Bracket and WNC Adapter
- UA306 Rack Mount Kit for one ULX Receiver
- UA507 Rack Mount Kit for two ULX Receivers
- UA310 Universal/Hand Camping Case
- UA430 UHF Passive Omni-Directional Antenna
- UA80 SD/HD/4K/8K Camera Bundle
- UA81 In-Line RF Filter
- UA84 Handheld microphone
- UA85 Headset microphone
- UA86 Handheld transmitter ID rings (5 assorted colors)
- UA87 Beta 87A Microphone with bodypack transmitter
- UA88 UHF Passive Omni-Directional Antenna
- UA89 UHF Active Directional Antenna
- UA90 UHF Active Directional Antenna
- UA91 In-Line RF Filter
- UA92 Universal/Hand Camping Case
- UA93 UHF Passive Omni-Directional Antenna
- UA94 Handheld microphone
- UA95 Headset microphone
- UA96 Handheld transmitter ID rings (5 assorted colors)

* Location dependent
**ULX® Wireless Systems**

**ULXS4**
Professional Diversity Receiver

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- **RF Carrier Frequency Range**: 470-952 MHz (available frequencies depend on applicable country regulations)
- **Working Range**: 100 m (300 ft) under typical conditions (NOTE: Operating range depends on many variables, including RF signal absorption, reflection and interference)
- **Audio Frequency Range**: 20 kHz
- **Audio Output Level**: XLR connector (into 600 Ω load): +8 dBV (line), -10 dBV (mic) 1/4-inch connector (into 150 Ω load): +2 dBV
- **Impedance**: input: 1 MΩ, RF: 50 Ω
- **RF Power Output**: 30 mW maximum (dependent on applicable country regulations)
- **Power Requirements**: 9 V alkaline battery (DURACELL® MN1604 recommended); 8.4 V optional
- **Battery Life**: Up to 8 hours
- **Overall Dimensions**: ULXS4: 41 mm H x 219 mm W x 152 mm D (1 5/8 x 8 5/8 x 6 in.)
- **Net Weight (without battery)**: ULXS4: 0.6 kg (1 lbs 4 oz)

**ULX2**
Handheld Transmitter

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- **Gain Adjustment Range**: 25 dB (continuously adjustable)
- **Impedance**: input: 1 MΩ
- **RF Power Output**: 30 mW maximum (dependent on applicable country regulations)
- **Power Requirements**: 9 V alkaline battery (DURACELL® MN1604 recommended); 8.4 V optional
- **Battery Life**: Up to 8 hours
- **Overall Dimensions**: ULX2/58, ULX2/BETA 58: 241 mm L x 50.8 mm Dia. (9 1/2 x 2 in.)
- **Net Weight (without battery)**: ULX2/58, ULX2/BETA 58: 298 g (10.4 oz)

**ULX1**
Bodypack Transmitter

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- **Gain Adjustment Range**: 40 dB (continuously adjustable)
- **Impedance**: input: 1 MΩ
- **RF Power Output**: 30 mW maximum (dependent on applicable country regulations)
- **Power Requirements**: 9 V alkaline battery (DURACELL® MN1604 recommended); 8.4 V optional
- **Battery Life**: Up to 8 hours
- **Overall Dimensions**: ULX1/58, ULX1/BETA 58: 42 mm H x 219 mm W x 152 mm D (1 5/8 x 8 5/8 x 6 in.)
- **Net Weight (without battery)**: ULX1/58, ULX1/BETA 58: 195 g (6.8 oz)

**ULXP4**
Professional Diversity Receiver

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- **Gain Adjustment Range**: 25 dB (continuously adjustable)
- **Impedance**: input: 1 MΩ
- **RF Power Output**: 30 mW maximum (dependent on applicable country regulations)
- **Power Requirements**: 9 V alkaline battery (DURACELL® MN1604 recommended); 8.4 V optional
- **Battery Life**: Up to 8 hours
- **Overall Dimensions**: ULXP4: 44 mm H x 219 mm W x 154 mm D (1 3/4 x 8 5/8 x 6 1/16 in.)
- **Net Weight (without battery)**: ULXP4: 1.02 kg (2 lbs 4 oz)