

SOPHISTICATED, SCALABLE WIRELESS SOLUTIONS



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

- 3-segment transmitter 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

Handheld or Bodypack Transmitter

- 3-segment battery fuel gauge
- Backlit LCD shows group and channel
- Frequency and power lockout
- 8 hour battery life
- 100m (300 ft.) operating range
- 20dB pad switch on ULX1

* Location dependent

ULX® Wireless Systems

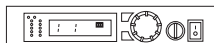
	Systems include: ULXP4 Diversity Receiver and a choice of Handheld Microphone Transmitter.	HANDHELD  SM58® The legendary choice of vocal performers around the globe. ULXP24/58  SM86 Tailored frequency response for clear reproduction of vocals. ULXP24/SM86  SM87A Smooth sound tailored for warm, accurate reproduction. ULXP24/87  Beta 58A® Preferred by touring vocalists and sound professionals. ULXP24/BETA58  Beta 87A Brings exceptional clarity to live vocals. ULXP24/BETA87A  Beta 87C Adds warmth to the frequency response preferred by in-ear users. ULXP24/BETA87C					
	Systems include: ULXP4 Diversity Receiver, ULX1 Bodypack Transmitter and a choice of Microphone or Guitar/Bass Cable.	LAVALIER  WL183 Premium condenser lavalier mic for speech applications. Omnidirectional ULXP14/83  WL184 Premium condenser lavalier mic for speech applications. Supercardioid ULXP14/84  WL185 Premium condenser lavalier mic for speech applications. Cardioid ULXP14/85  WL50 Subminiature Omnidirectional lavalier mic provides low visibility with professional audio quality. ULXP14/50  WL51 Subminiature Cardioid lavalier mic provides low visibility with professional audio quality. Less susceptible to feedback. ULXP14/51 HEADWORN  WH30TQG Rugged, comfortable headset that provides high-quality voice pickup for active vocalists. ULXP14/30  WBH53 Beta quality, sensitivity and consistency in a comfortable ultra-thin design. Black or Tan. Omnidirectional Sold separately as components  WBH54 This Beta microphone features a smooth, tailored response for a warm, natural sound. Black or Tan. Supercardioid Sold separately as components  WA302 Links a Bodypack Transmitter to a guitar or bass. ULXP14  WB98H/C A versatile solution for high volume wind, brass or percussion. ULXP14/98H GUITAR INSTRUMENT					
	COMBO Systems include: ULXP4 Diversity Receiver, ULX1 Bodypack Transmitter and ULX2 Handheld Transmitter.	SM58® Handheld Transmitter & WL185 Lavalier microphone ULXP124/85					
	DUAL Systems include: (2) ULXP4 Diversity Receivers and (2) Transmitters.	SM58® Handheld Transmitter (2) ULXP24D/58 SM87 Handheld Transmitter (2) ULXP24D/87 Beta 58A® Handheld Transmitter (2) ULXP24D/BETA58 Beta 87A Handheld Transmitter (2) ULXP24D/BETA87A Beta 87C Handheld Transmitter (2) ULXP24D/BETA87C WA302 Guitar Cable (2) ULXP14D					
	DUAL COMBO Systems include: (2) ULXP4 Diversity Receivers, a ULX1 Bodypack Transmitter and a choice of Handheld Transmitter(s).	SM58® Handheld Transmitter (2) ULXP124D/58 SM87 Handheld Transmitter (2) ULXP124D/87 Beta 58A® Handheld Transmitter (2) ULXP124D/BETA58 Beta 87A Handheld Transmitter (2) ULXP124D/BETA87A Beta 87C Handheld Transmitter (2) ULXP124D/BETA87C					

OPTIONAL ACCESSORIES

PA805	UHF Passive Directional Antenna	UA505	Remote Antenna Bracket and BNC Adapter	UA860	UHF Passive Omni Directional Antenna
RK323G	Black grill replacement option for Beta 58A	UA506	Rack Mount Kit for one ULX Receiver	UA870	UHF Active Directional Antenna
RK324G	Black grill replacement option for Beta 87	UA507	Rack Mount Kit for two ULX Receivers	UAPF-X1	In-Line RF Filter
UA221	Passive Antenna Splitter	UA830	UHF Active Remote Antenna Amplifier	WA610	Universal Hard Carrying Case
UA440	Front Mount Antenna Cable Kit	UA844	Antenna/Power Distribution System	WA615M	Handheld transmitter ID rings (5 assorted colors)

ULXP4

Professional Diversity Receiver



front panel



back panel

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

25-15,000 Hz, ± 2 dB (NOTE: Overall system frequency response depends on microphone element)

Audio Output Level (ref. ± 38 kHz deviation, 1 kHz tone)

XLR connector (into 600 Ω load): +8 dBV (line); -10 dBV (mic) 1/4-inch connector (into 3k Ω load): +2 dBV

Impedance

ULXS4 and ULXP4 (output): 3k Ω (1/4-inch phone jack)
20k Ω (XLR Line) 500 Ω (XLR Mic)

Modulation

± 38 kHz deviation compressor-expander system with pre- and de-emphasis

Dynamic Range

>105 dB, A-weighted

RF Sensitivity

1.26 mV for 12 dB SINAD (typical)

Image Rejection

65 dB typical

Spurious Rejection

75 dB typical

System Distortion

(ref. ± 15 kHz deviation,
1 kHz modulation)

0.3% (<1%) THD typical

Power Requirements

ULXS4 and ULXP4: 14-18 Vdc (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

ULXS4: 41 mm H x 219 mm W x 152 mm D (1 5/8 x 8 5/8 x 6 in.)
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

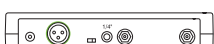
ULXS4: 0.6 kg (1 lbs 4 oz) ULXP4: 1.02 kg (2 lbs 4 oz)

ULXS4

Standard Diversity Receiver



front panel



back panel

ULX1

Bodypack Transmitter



top panel

Gain Adjustment Range

40 dB (continuously adjustable)

Impedance

input: 1 M 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

95.2 mm H x 63.5 mm W x 33.3 mm D (3 3/16 x 2 5/8 x 1 1/16 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 (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.)
ULX2/87, ULX2/BETA 87: 216 mm L x 50.8 mm Dia. (8 1/2 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)

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