

# 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
- Remotable 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

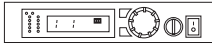
	Systems include: ULXP4 Diversity Receiver and a choice of Handheld Microphone Transmitter.	<b>HANDHELD</b>				
	Systems include: ULXP4 Diversity Receiver, ULX1 Bodypack Transmitter and a choice of Microphone or Guitar/Bass Cable.	<b>LAVALIER</b>				
		<b>HEADWORN</b>		<b>GUITAR</b>		<b>INSTRUMENT</b>
	<b>COMBO</b> Systems include: ULXP4 Diversity Receiver, ULX1 Bodypack Transmitter and ULX2 Handheld Transmitter.	<div data-bbox="342 858 483 957"></div> <div data-bbox="555 865 717 953"></div> <div data-bbox="771 827 927 957"></div> <div data-bbox="980 827 1062 957"></div> <div data-bbox="1187 865 1308 953"></div>				
	<b>DUAL</b> Systems include: (2) ULXP4 Diversity Receivers and (2) Transmitters.	<div data-bbox="342 957 535 1140"><p><b>WH30TQG</b> Rugged, comfortable headset that provides high-quality voice pickup for active vocalists. <b>ULXP14/30</b></p></div> <div data-bbox="555 957 748 1140"><p><b>WBH53</b> Beta quality, sensitivity and consistency in a comfortable ultra-thin design. Black or Tan. Omnidirectional Sold separately as components</p></div> <div data-bbox="771 957 964 1140"><p><b>WBH54</b> This Beta microphone features a smooth, tailored response for a warm, natural sound. Black or Tan. Supercardioid Sold separately as components</p></div> <div data-bbox="980 957 1154 1140"><p><b>WA302</b> Links a Bodypack Transmitter to a guitar or bass. <b>ULXP14</b></p></div> <div data-bbox="1187 957 1377 1140"><p><b>WB98H/C</b> A versatile solution for high volume wind, brass or percussion. <b>ULXP14/98H</b></p></div>				
	<b>DUAL COMBO</b> Systems include: (2) ULXP4 Diversity Receivers, a ULX1 Bodypack Transmitter and a choice of Handheld Transmitter(s).	<div data-bbox="342 1205 548 1362"><p><b>SM58°</b> Handheld Transmitter &amp; <b>WL185</b> Lavalier microphone <b>ULXP124/85</b></p></div> <div data-bbox="342 1430 548 1539"><p><b>SM58°</b> Handheld Transmitter (2) <b>ULXP24D/58</b></p></div> <div data-bbox="555 1430 761 1539"><p><b>SM87</b> Handheld Transmitter (2) <b>ULXP24D/87</b></p></div> <div data-bbox="771 1430 977 1539"><p><b>Beta 58A°</b> Handheld Transmitter (2) <b>ULXP24D/BETA58</b></p></div> <div data-bbox="980 1430 1187 1539"><p><b>Beta 87A</b> Handheld Transmitter (2) <b>ULXP24D/BETA87A</b></p></div> <div data-bbox="1187 1430 1393 1539"><p><b>Beta 87C</b> Handheld Transmitter (2) <b>ULXP24D/BETA87C</b></p></div> <div data-bbox="1409 1430 1534 1539"><p><b>WA302</b> Guitar Cable (2) <b>ULXP14D</b></p></div> <div data-bbox="342 1591 548 1701"><p><b>SM58°</b> Handheld Transmitter (2) <b>ULXP124D/58</b></p></div> <div data-bbox="555 1591 761 1701"><p><b>SM87</b> Handheld Transmitter (2) <b>ULXP124D/87</b></p></div> <div data-bbox="771 1591 977 1701"><p><b>Beta 58A°</b> Handheld Transmitter (2) <b>ULXP124D/BETA58</b></p></div> <div data-bbox="980 1591 1187 1701"><p><b>Beta 87A</b> Handheld Transmitter (2) <b>ULXP124D/BETA87A</b></p></div> <div data-bbox="1187 1591 1393 1701"><p><b>Beta 87C</b> Handheld Transmitter (2) <b>ULXP124D/BETA87C</b></p></div>				

## OPTIONAL ACCESSORIES

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

## ULXP4

Professional Diversity Receiver



front panel

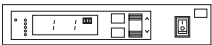


back panel

<b>RF Carrier Frequency Range</b>	470-952 MHz (available frequencies depend on applicable country regulations)
<b>Working Range</b>	100 m (300 ft) under typical conditions (NOTE: Operating range depends on many variables, including RF signal absorption, reflection and interference)
<b>Audio Frequency Range</b>	25-15,000 Hz, $\pm 2$ dB (NOTE: Overall system frequency response depends on microphone element)
<b>Audio Output Level</b> (ref. $\pm 38$ kHz deviation, 1 kHz tone)	XLR connector (into 600 $\Omega$ load): +8 dBV (line); -10 dBV (mic) 1/4-inch connector (into 3k $\Omega$ load): +2 dBV
<b>Impedance</b>	ULXS4 and ULXP4 (output): 3k $\Omega$ (1/4-inch phone jack) 20k $\Omega$ (XLR Line) 500 $\Omega$ (XLR Mic)
<b>Modulation</b>	$\pm 38$ kHz deviation compressor-expander system with pre- and de-emphasis
<b>Dynamic Range</b>	>105 dB, A-weighted
<b>RF Sensitivity</b>	1.26 mV for 12 dB SINAD (typical)
<b>Image Rejection</b>	65 dB typical
<b>Spurious Rejection</b>	75 dB typical
<b>System Distortion</b> (ref. $\pm 15$ kHz deviation, 1 kHz modulation)	0.3% (<1%) THD typical
<b>Power Requirements</b>	ULXS4 and ULXP4: 14-18 Vdc (negative ground), 600 mA; external ac adapter supplied.
<b>Operating Temperature Range</b>	-20 to 50 C (-4 to 122 F) (NOTE: Battery characteristics may limit this range)
<b>Overall Dimensions</b>	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.)
<b>Net Weight</b>	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

<b>Gain Adjustment Range</b>	40 dB (continuously adjustable)
<b>Impedance</b>	input: 1 M $\Omega$
<b>RF Power Output</b>	30 mW maximum (dependent on applicable country regulations)
<b>Power Requirements</b>	9 V alkaline battery (DURACELL® MN1604 recommended); 8.4 V optional
<b>Battery Life</b>	Up to 8 hours
<b>Overall Dimensions</b>	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.)
<b>Net Weight (without battery)</b>	90.7 g (3.2 oz)

## ULX2

Handheld Transmitter



<b>Gain Adjustment Range</b>	25 dB (continuously adjustable)
<b>RF Power Output</b>	30 mW maximum (dependent on applicable country regulations)
<b>Power Requirements</b>	9 V alkaline battery (DURACELL® MN1604 recommended); 8.4 V optional
<b>Battery Life</b>	Up to 8 hours
<b>Overall Dimensions</b>	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.)
<b>Net Weight (without battery)</b>	ULX2/58, ULX2/BETA 58: 298 g (10.4 oz) ULX2/86, ULX2/87, ULX2/BETA 87: 195 g (6.8 oz)

**SHURE**<sup>®</sup>  
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