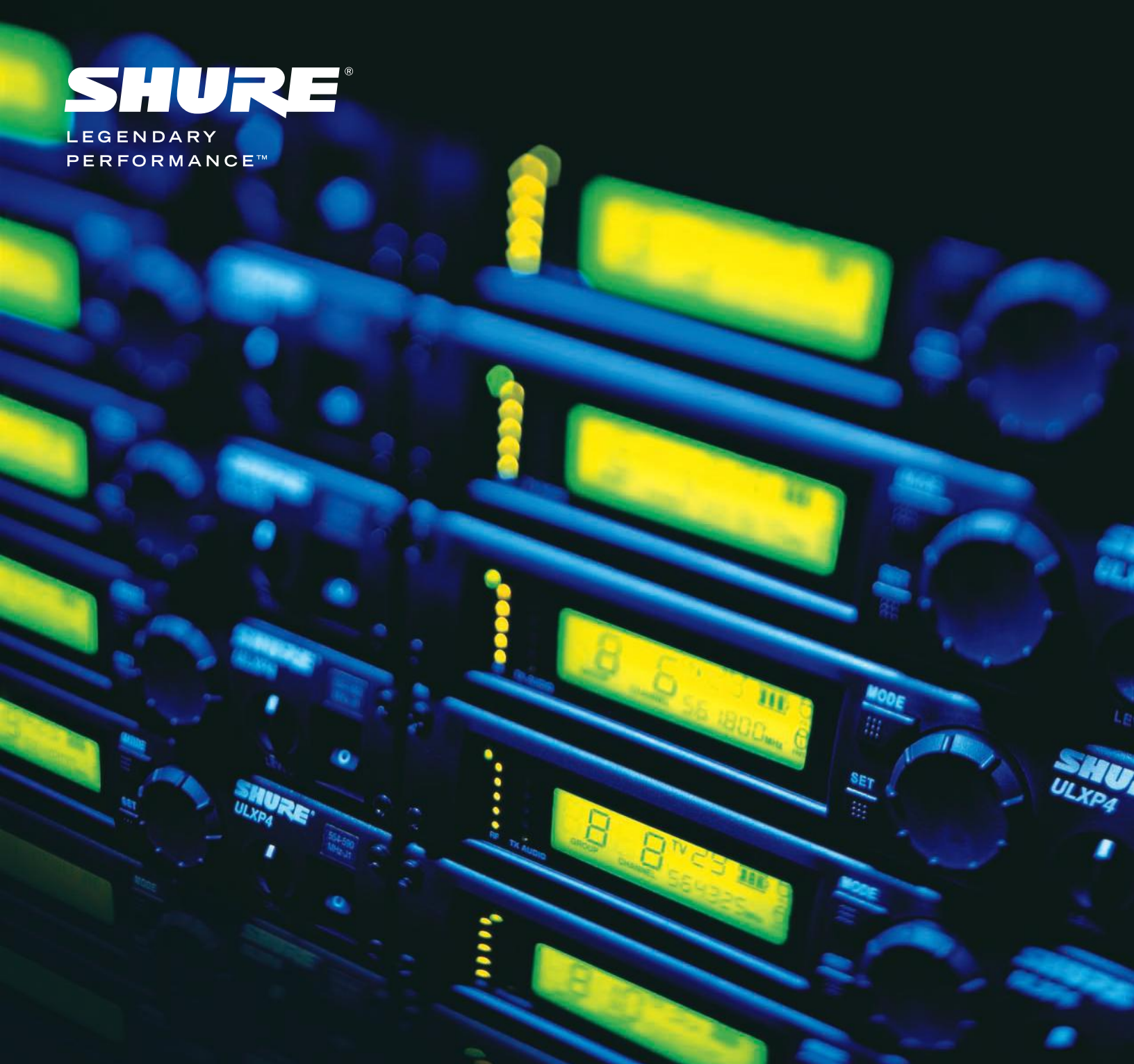


SHURE[®]

LEGENDARY
PERFORMANCE™



ULX[®] WIRELESS SYSTEMS

**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 Backpack 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® Professional Wireless Microphone Systems

<p>Systems include: ULXP4 Diversity Receiver and a choice of Handheld Microphone Transmitter.</p>	HANDHELD					
<p>Systems include: ULXP4 Diversity Receiver, ULX1 Bodypack Transmitter and a choice of Microphone or Guitar/Bass Cable.</p>	 <p>SM58° The legendary choice of vocal performers around the globe. ULXP24/58</p>	 <p>SM86 Tailored frequency response for clear reproduction of vocals. ULXP24/SM86</p>	 <p>SM87A Smooth sound tailored for warm, accurate reproduction. ULXP24/87</p>	 <p>Beta 58A° Preferred by touring vocalists and sound professionals. ULXP24/BETA58</p>	 <p>Beta 87A Brings exceptional clarity to live vocals. ULXP24/BETA87A</p>	 <p>Beta 87C Adds warmth to the frequency response preferred by in-ear users. ULXP24/BETA87C</p>
	LAVALIER					
	 <p>WL183 Premium condenser lavalier mic for speech applications. Omnidirectional ULXP14/83</p>	 <p>WL184 Premium condenser lavalier mic for speech applications. Supercardioid ULXP14/84</p>	 <p>WL185 Premium condenser lavalier mic for speech applications. Cardioid ULXP14/85</p>	 <p>MX150/O Subminiature Omnidirectional lavalier mic provides low visibility with professional audio quality. ULXP14/150/O</p>	 <p>MX150/C Subminiature Cardioid lavalier mic provides low visibility with professional audio quality. Less susceptible to feedback. ULXP14/150/C</p>	
	HEADWORN		GUITAR		INSTRUMENT	
	 <p>WBH53 Beta quality, sensitivity and consistency in a comfortable ultra-thin design. Black or Tan. Omnidirectional Sold separately as components</p>	 <p>WBH54 This Beta microphone features a smooth, tailored response for a warm, natural sound. Black or Tan. Supercardioid Sold separately as components</p>	 <p>WA302 Links a Bodypack Transmitter to a guitar or bass. ULXP14</p>	 <p>WB98H/C A versatile solution for high volume wind, brass or percussion. ULXP14/98H</p>		
<p>COMBO Systems include: ULXP4 Diversity Receiver, ULX1 Bodypack Transmitter and ULX2 Handheld Transmitter.</p>	<p>SM58° Handheld Transmitter</p> <p>WL185 Lavalier microphone ULXP124/85</p>					
<p>DUAL Systems include: (2) ULXP4 Diversity Receivers and (2) Transmitters.</p>	<p>SM58° Handheld Transmitter (2) ULXP24D/58</p>	<p>SM87 Handheld Transmitter (2) ULXP24D/87</p>	<p>Beta 58A° Handheld Transmitter (2) ULXP24D/BETA58</p>	<p>Beta 87A Handheld Transmitter (2) ULXP24D/BETA87A</p>	<p>Beta 87C Handheld Transmitter (2) ULXP24D/BETA87C</p>	<p>WA302 Guitar Cable (2) ULXP14D</p>
<p>DUAL COMBO Systems include: (2) ULXP4 Diversity Receivers, a ULX1 Bodypack Transmitter and a choice of Handheld Transmitter(s).</p>	<p>SM58° Handheld Transmitter (2) ULXP124D/58</p>	<p>SM87 Handheld Transmitter (2) ULXP124D/87</p>	<p>Beta 58A° Handheld Transmitter (2) ULXP124D/BETA58</p>	<p>Beta 87A Handheld Transmitter (2) ULXP124D/BETA87A</p>	<p>Beta 87C Handheld Transmitter (2) ULXP124D/BETA87C</p>	

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)

ULX® Wireless Systems Technical Specifications

ULXP4

Professional Diversity Receiver



front panel



back panel

ULXS4

Standard 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)

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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**United States, Canada,
Latin America, Caribbean:**
Shure Incorporated
5800 West Touhy Avenue
Niles, IL 60714-4608 USA

Phone: +1 847-600-2000
Fax: +1 847-600-1212 (USA)
Fax: +1 847-600-6446
Email: info@shure.com
www.shure.com

Europe, Middle East, Africa:
Shure Europe GmbH
Jakob-Dieffenbacher-Str. 12,
75031 Eppingen, Germany

Phone: +49-7262-92490
Fax: +49-7262-9249114
Email: info@shure.de
www.shure.eu

Asia, Pacific:
Shure Asia Limited
22/F, 625 King's Road
North Point, Island East
Hong Kong

Phone: +852-2893-4290
Fax: +852-2893-4055
Email: info@shure.com.hk
www.shureasia.com