

SHURE[®]

ULX[®] Wireless Microphone Systems

ULX[®] Wireless Systems

Sophisticated, scalable wireless solutions



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ULX® Wireless Microphone Systems

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.

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

Wireless Diversity Receiver

Over 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
1/2 rack design
Removable 1/2 wave antennas
Frequency and volume lockout
Rugged metal chassis
Furnished rack hardware
Locking DC connector
XLR and 1/4" outputs



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.

* Location dependent

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.
Omnidirectional
Sold separately as
components



WBH54
This Beta headworn
vocal microphone
features a smooth,
tailored response for a
warm, natural sound.
Cardioid
Sold separately as
components

GUITAR



WA302
Links a Bodypack
Transmitter to a
guitar or bass.
ULXP14

INSTRUMENT



WB98H/C
A versatile solution for
high volume wind,
brass or percussion.
ULXP14/98H

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
ULXP124D/58

SM87
Handheld Transmitter
ULXP124D/87

Beta 58A®
Handheld Transmitter
ULXP124D/BETA58

Beta 87A
Handheld Transmitter
ULXP124D/BETA87A

Beta 87C
Handheld Transmitter
ULXP124D/BETA87C

OPTIONAL ACCESSORIES

- RK323G Black grill replacement option for Beta 58A
- RK324G Black grill replacement option for Beta 87
- UA221 Passive Antenna Splitter
- UA440 Front Mount Antenna Cable Kit
- UA505 Remote Antenna Bracket and BNC Adapter
- UA506 Rack Mount Kit for one ULX Receiver

- UA507 Rack Mount Kit for two ULX Receivers
- UA830WB UHF Wideband Active Remote Antenna Amplifier
- UA844 Antenna/Power Distribution System
- UA870WB UHF Wideband Active Directional Antenna
- WA610 Universal Hard Carrying Case
- WA615M Handheld transmitter ID rings

ULX® Wireless Systems Technical Specifications

ULXP4 Professional Diversity Receiver

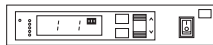


front panel

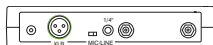


back panel

ULXS4 Standard Diversity Receiver



front panel



back panel

RF Carrier Frequency Range	554-865 MHz (available frequencies depend on applicable county 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	50-15,000 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 Nicad 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 Nicad 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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