

SHURE[®]
LEGENDARY
PERFORMANCE[™]

ULX-D[™] Digital Wireless Systems

UNCOMPROMISING DIGITAL WIRELESS



ULX-D™ Digital Wireless Systems

GENERATIONS AHEAD

With ULX-D™, Shure has created a breakthrough digital wireless system that incorporates a collection of technological innovations into one easy-to-use professional wireless system. Offering an uncompromising mix of audio quality, RF performance, advanced setup features, and intelligent battery technology, ULX-D defines the next generation of digital wireless excellence.



Transparent 24-Bit Digital Audio

A breakthrough in wireless audio quality, Shure digital processing enables ULX-D to deliver the purest reproduction of source material ever available in a wireless system.



Advanced Encryption

ULX-D™ offers Advanced Encryption Standard (AES) 256-bit encrypted signal for unbreachable privacy.



Spectral Efficiency & Signal Stability

An incredible advancement in wireless performance, ULX-D enables rock-solid signal stability and an increased number of simultaneous active transmitters on one TV channel.



Networked Control

Ethernet networking enables streamlined setup across multiple receivers, WWB6 integration (coming soon), and AMX/ Wireless Workbench®6 Crestron control.



Lithium Ion Rechargeability

Lithium Ion rechargeability provides up to 12 hours of power on a single charge, while delivering intelligent battery health reporting.



Intelligent Scanning

Intelligent scanning automatically finds and assigns the cleanest frequencies to operate on with an adjustable threshold for varying noise floors.



ULX-D™ Components:

ULXD4 Digital Wireless Receiver

Front



Back



FEATURES:

- 20Hz - 20kHz audio frequency range with flat response
- Up to 64 MHz tuning range (region dependent)
- Intelligent scanning automatically finds and assigns the cleanest frequencies to transmitters over IR sync
- Front panel gain adjustment buttons provide up to 60 dB additional gain
- Audio and RF LED meters with peak indicator
- Furnished rack hardware and 1/2 wave antennas
- Interference detection and alerts provide instant confirmation when interference is present

ULXD1 Wireless Bodypack Transmitter



FEATURES:

- Over 120 dB dynamic range
- 1, 10, and 20 mW selectable RF output power
- 11 hours runtime on two AA batteries, over 12 hours runtime with the Shure® SB900 rechargeable battery
- 100 meter (300 ft.) line-of-sight operating range
- Rugged aluminum construction
- Frequency and power lockout
- Available with a wide variety of trusted Shure microphones, including the legendary SM58®

ULXD2 Wireless Handheld Transmitter



Rechargeable Components:

SB900

Shure® Rechargeable Battery



SBC200

Dual Docking Charging Station



SBC800

Eight Battery Charging Station



RECHARGEABLE FEATURES:

- Advanced, intelligent Lithium-Ion Chemistry
- Provides ULX-D™ transmitters with greater than 12 hours of continuous use
- Transmitters and receivers display remaining battery life in hours and minutes accurate to within 15 minutes
- Full charge within three hours and 50% charge in one hour – charge status LEDs for each battery

ULX-D™ Wireless Systems

ULXD4 Digital Wireless Receiver



RF Carrier Range	470–814 MHz, varies by region (See Frequency Range and Output Power table)
Working Range	100 m (328 ft) line-of-sight <i>Note: Actual range depends on RF signal absorption, reflection and interference.</i>
RF Tuning Step Size	25 kHz, varies by region
Image Rejection	>70 dB, typical
RF Sensitivity	-98 dBm at 10 ⁻⁵ BER
Latency	<2.9 ms
Audio Dynamic Range (System Gain @ +10)	>120 dB, A-weighted, typical
Total Harmonic Distortion (-12 dBFS input, System Gain @ +10)	<0.1%
Spurious Rejection	>80 dB, typical
Receiver Gain Adjustment Range	-18 to +42 dB in 1 dB steps (plus Mute setting)
Full Scale Output	1/4" (6.35 mm): +12 dBV XLR: LINE setting= +18 dBV, MIC setting= -12 dBV
Network Interface	Single Port Ethernet 10/100 Mbps
Network Addressing Capability	DHCP or Manual IP address
Operating Temperature Range	-18°C (0°F) to 50°C (122°F) <i>Note: Battery characteristics may limit this range.</i>
Storage Temperature Range	-29°C (-20°F) to 74°C (165°F) <i>Note: Battery characteristics may limit this range.</i>
Dimensions	197 mm x 171 mm x 42 mm (7.75 in. x 6.75 in. x 1.65 in.), H x W x D
Weight	913 g (2.0 lbs), without antennas
Housing	Galvanized Steel

ULXD2 Handheld Transmitter



Audio Frequency Range	30 Hz to 20 kHz
Gain Offset Range	0 to 21 dB (in 3 dB steps)
Battery Runtime @ 10 mW	Shure SB900 Rechargeable Li-Ion: >12 hours 2 x AA Alkaline: 11 hours
Dimensions	256 mm x 51 mm (10.1 in. x 2.0 in.) L x Dia.
Weight	340 g (12.0 oz.), without batteries
Housing	Machined aluminum
Power	1 mW, 10 mW, 20 mW <i>See Frequency Range and Output Power table, varies by region</i>

ULXD1 Bodypack Transmitter



Audio Frequency Range	20 Hz to 20 kHz
Gain Offset Range	0 to 21 dB (in 3 dB steps)
Battery Runtime @ 10 mW	Shure SB900 Rechargeable Li-Ion: >12 hours 2 x AA Alkaline: 11 hours
Dimensions	86 mm x 66 mm x 23 mm (3.4 in. x 2.6 in. x 0.9 in.) H x W x D
Weight	142 g (5.0 oz.), without batteries
Housing	Cast aluminum
Power	1 mW, 10 mW, 20 mW <i>See Frequency Range and Output Power table, varies by region</i>

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