

SHURE[®]
LEGENDARY
PERFORMANCE™

QLX-D™
Digital Wireless



QLX-D™ DIGITAL WIRELESS

SIMPLE SOPHISTICATION,
SOLID WIRELESS PERFORMANCE.





Transparent 24-bit digital audio.
Incredibly efficient wireless.
Powerful networking.
Rugged, secure systems.

QLX-D® Digital Wireless Systems

AN ELEVATED STANDARD.

Shure QLX-D™ Digital Wireless is the clear choice for exceptionally detailed wireless audio in widely diverse and demanding environments. A highly flexible system featuring streamlined setup and operation, QLX-D boasts impressive RF efficiency to get more channels on air using less spectrum, while the rugged all-metal construction withstands the rigors of constant use. From corporate seminars to music clubs, classroom lectures to houses of worship, Shure QLX-D Digital Wireless has it covered — delivering confident performance, no matter what the venue.

System Components

QLXD4

Digital Wireless Receivers



- Transparent, 24-bit digital audio
- More than 60 pre-set compatible channels per frequency band (region dependent)
- AES 256-bit encryption
- Ethernet networkable and third party control system ready
- Network Scan finds clean frequencies for networked receivers
- Compatible with Wireless Workbench® control software and ShurePlus™ Channels mobile app



QLXD1

Bodypack Transmitter



QLXD2

Handheld Transmitter



ULXD6

Boundary Transmitter



ULXD8

Gooseneck Base Transmitter

NEW

- Backlit LCD with easy to navigate menu and controls
- Rugged metal construction
- External charging contacts for docked charging
- Optional Shure SB900A lithium-ion rechargeable battery provides up to 10 hours of runtime
- 2x AA batteries provide up to 9 hours of runtime

- Compatible with ULX-D and QLX-D digital receivers
- Tabletop form factors with intuitive one-button design
- Configurable transmitter settings, incl. mute button, LED behavior etc.
- New SBC450 (4-bay) and SBC850 (8-bay) Networked Charging Stations allow convenient docked charging and storage
- Boundary transmitter available as cardioid or omnidirectional option

Microphone Options

For Handheld Transmitter

Interchangeable SM, Beta, and KSM microphone cartridges.



*Available in microphone head only

For Bodypack Transmitter

Selection of lavalier and headset microphones. Also compatible with a range of instrument microphones.



For Gooseneck Base Transmitter

Selection of single or dualflex Microflex™ Gooseneck Microphones.

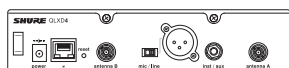


QLX-D™ Digital Wireless Specifications (Note: All specifications are subject to change.)

QLX-D System

RF Carrier Frequency Range	470–937.5 MHz, varies by region
Image Rejection	>70 dB, typical
Latency	<2.9 ms
RF Sensitivity	-97 dBm at 10 ⁻⁵ BER
Working Range	100 m (328 ft.) line-of-sight <i>Note: Actual range depends on RF signal absorption, reflection and interference.</i>
Audio Frequency Range	20 Hz to 20 kHz <i>Note: Dependent on microphone type.</i>
Audio Dynamic Range (System Gain @ +10)	>120 dB, A-weighted, typical
Total Harmonic Distortion	<0.1% (-12 dBFS input, System Gain @ +10)
Operating Temperature Range	-18°C (0°F) to 50°C (122°F) <i>Note: Battery characteristics may limit this range.</i>

QLXD4 Digital Wireless Receiver



Dimensions	41 mm x 197 mm x 151 mm (1.63 in. x 7.75 in. x 5.94 in.)
Weight	777 g (1.71 lbs.), without antennas
Housing	Steel
Power Requirements	12 V DC @ 0.4 A, supplied by external power supply (tip positive)
Spurious Rejection	> 80 dB, typical
Antenna Connector Type	BNC
Antenna Impedance	50 Ω
Gain Adjustment Range	-18 to +42 dB in 1 dB steps
Configuration	¼" (6.35 mm): Impedance balanced (Tip = audio, Ring = no audio, Sleeve = ground) XLR: balanced (1= ground, 2 = audio +, 3 = audio -)
Antenna Impedance	¼" (6.35 mm): 100 Ω (50 Ω Unbalanced) XLR: 100 Ω
Full Scale Output	¼" (6.35 mm): +12 dBV XLR: LINE setting = +18 dBV, MIC setting = -12 dBV
Mic/Line Switch	30 dB pad
Network Interface	Single Port Ethernet 10/100 Mbps
Network Addressing Capability	DHCP or Manual IP address

QLXD1 Bodypack Transmitter QLXD2 Handheld Transmitter ULXD6 Boundary Transmitter ULXD8 Gooseneck Transmitter



Dimensions	QLXD1: 86 mm x 65 mm x 23 mm (3.38 in. x 2.57 in. x 0.92 in.) without antenna QLXD2: 256 mm x 51 mm (10.1 in. x 2.0 in.) L x Dia. ULXD6: 113.94 x 61.83 x 34.28 mm (4.48 x 2.43 x 1.35 in.) H x W x D ULXD8: 136.94 x 78.27 x 40.77 mm (5.39 x 3.08 x 1.60 in.) H x W x D
Weight	QLXD1: 138 g (4.9 oz.), without batteries QLXD2: 347 g (12.2 oz.), without batteries ULXD6: 241 g with AA batteries ULXD8: 293 g with AA batteries
Housing	QLXD1: Cast aluminum QLXD2: Machined aluminum ULXD6 / ULXD8: Molded plastic
Battery Type	Shure SB900 Rechargeable Li-Ion or AA batteries 1.5V
Battery Runtime @ 10 mW	Shure SB900 Rechargeable Li-Ion: up to 10 hours 2 x AA Alkaline: up to 9 hours <i>Note: Dependent on transmitter type.</i>
RF Output Power	QLXD1 / QLXD2: 1 mW or 10 mW ULXD6 / ULXD8: 1 mW, 10 mW, 20 mW <i>Note: varies by region</i>
Occupied Bandwidth	< 200 kHz
Modulation Type	Shure proprietary digital
Mic Offset Range	0 to 21 dB (in 3 dB steps)

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