

SHURE[®]

LEGENDARY
PERFORMANCE™

QLX-D[®]

Digital Wireless Systems

QLX-D[®] DIGITAL WIRELESS





QLX-D™ Digital Wireless Systems

SHURE PROFESSIONAL TECHNOLOGY IN AN EASY-TO-USE SOLUTION

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

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



QLXD1 Bodypack Transmitter
 QLXD2 Handheld Transmitter

- Rugged metal construction
- Backlit LCD with easy to navigate menu and controls
- 2 x AA batteries provide up to 9 hours of runtime
- Optional Shure SB900A lithium-ion rechargeable battery provides up to 10 hours of runtime
- Displays remaining battery life in hours and minutes when Shure SB900A is used
- Switchable RF power (1,10mW)
- External charging contacts for docked charging
- Multiple microphone cartridges available, including the legendary SM58® (QLXD2)

QLXD4 Receiver

- Transparent, 24-bit digital audio
- 20 Hz – 20 kHz frequency range*
- 120 dB dynamic range
- No transmitter gain adjustment needed
- Available in 9 MHz tuning bandwidth (694 - 703 MHz) and 10 MHz tuning bandwidth (748 - 758 MHz)
- Up to 24 preset compatible systems for 694 - 703 MHz band and up to 27 preset compatible systems for 748 - 758 MHz band
- AES 256-bit encryption
- Ethernet networkable receivers
- Automatic channel scan quickly and easily finds a new frequency
- Network Scan finds clean frequencies for networked receivers
- IR Sync
- AMX/Crestron® control system ready
- ShurePlus™ Channels mobile app compatible
- Wireless Workbench® control software compatible
- Displays remaining battery life in hours and minutes when Shure SB900A is used
- Compatible with ULXD6 Boundary Transmitter and ULXD8 Gooseneck Transmitter

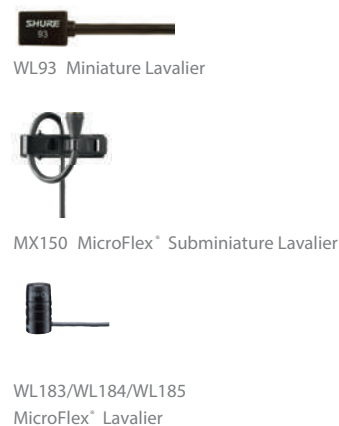
*Microphone dependent **Region dependent
 Crestron® is a registered trademark of Crestron Electronics, Inc.

Systems available with:

Handheld
 Interchangeable SM, Beta, and KSM microphone cartridges



Lavalier
 Miniature and subminiature lavalier condenser microphones



Headset
 Comfortable over-the-ear design



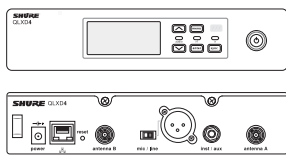
Instrument
 Microphone and cable options for instrument and line input



System

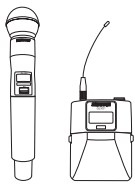
RF Carrier Frequency Range	694 - 703 MHz (M19 Band for Thailand) and 748 - 758 MHz (Q12 Band for Thailand)
Image Rejection	>70 dB, typical
Latency	<2.9 ms
RF Sensitivity	-97 dBm at 10 ⁻⁵ BER
Working Range	100 m line-of-sight Note: Actual range depends on RF signal absorption, reflection and interference.
Audio Frequency Range	20 Hz to 20 kHz Note: Dependent on microphone type.
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 to 50°C Note: Battery characteristics may limit this range.

QLXD4 Receiver



Dimensions	41 mm x 197 mm x 151 mm
Weight	777 g, 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



Dimensions	QLXD1: 86 mm x 65 mm x 23 mm without antenna QLXD2: 256 mm x 51 mm L x Dia. Note: Final dimensions depend on cartridge.
Weight	QLXD1: 138 g, without batteries QLXD2: 347 g, without batteries Note: Final weight depends on cartridge.
Housing	QLXD1: Cast aluminum QLXD2: Machined aluminum
Battery Type	Shure SB900A Rechargeable Li-Ion or AA batteries 1.5 V
Battery Runtime	(@ 10 mW) Shure SB900A rechargeable: up to 10 hours alkaline: up to 9 hours
RF Output Power	1 mW or 10 mW
Occupied Bandwidth	< 200 kHz
Modulation Type	Shure proprietary digital
Mic Offset Range	0 to 21 dB (in 3 dB steps)



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