





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

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 Receiver  	Dimensions
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  	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.
	Weight	QLXD1: 138 g (4.9 oz.), without batteries QLXD2: 347 g (12.2 oz.), without batteries
	Housing	QLXD1: Cast aluminum QLXD2: Machined aluminum
	Battery Type	Shure SB900 Rechargeable Li-Ion or AA batteries 1.5 V
	Battery Runtime	(@ 10 mW) Shure SB900 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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QLX-D™ Digital Wireless Systems

**POWERFULLY
REFINED WIRELESS**





QLX-D™ Digital Wireless Systems

An Elevated Standard.



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



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| <p>QLXD1 Bodypack Transmitter
 QLXD2 Handheld Transmitter</p> <ul style="list-style-type: none"> • 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 SB900 lithium-ion rechargeable battery provides up to 10 hours of runtime • External charging contacts for docked charging • Multiple microphone cartridges available, including the legendary SM58® (QLXD2) | <p>QLXD4 Receiver</p> <ul style="list-style-type: none"> • Transparent, 24-bit digital audio • 20 Hz – 20 kHz frequency range* • 120 dB dynamic range • 64/72 MHz overall tuning bandwidth** • 17 compatible channels per 6 MHz TV channel • More than 60 pre-set compatible channels per frequency band** • AES 256-bit encryption • Ethernet networkable receivers • Network Scan finds clean frequencies for networked receivers • AMX/Crestron control system ready • ShurePlus™ Channels mobile app compatible • Wireless Workbench® control software compatible |
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*Microphone dependent **Region dependent

Systems available with:

Handheld	Lavalier	Headset	Instrument
Interchangeable SM, Beta, and KSM microphone cartridges	Miniature and subminiature lavalier condenser microphones	Comfortable over-the-ear design	Microphone and cable options for instrument and line input
<p>SM58® Beta® 58A Beta® 87A Beta® 87C</p>	<p>WL93 Miniature Lavalier</p> <p>MX150 MicroFlex® Subminiature Lavalier</p> <p>WL183/WL184/WL185 MicroFlex® Lavalier</p>	<p>MX153B MicroFlex® Headset Microphone</p> <p>SM35 Headset Microphone</p>	<p>WA305 Premium Instrument Cable</p> <p>WB98HC Clip-On Instrument Microphone</p>