For performers who wish to unplug from the wire, BLX Wireless Systems feature trusted Shure microphones and world-class design and construction. Available in bodypack and handheld configurations, BLX Wireless Systems built for legendary sound, right out of the box.
System Specifications

Working Range 91 m (300 ft) Line of Sight  
Note: Actual range depends on RF signal absorption, reflection and interference.

Audio Frequency Response 50 to 15,000 Hz  
Note: Dependent on microphone type

Total Harmonic Distortion 0.1%, typical
Ref. ±33 kHz deviation with 1 kHz tone

Dynamic Range 100 dB, A-weighted, typical

Operating Temperature -18°C (0°F) to 57°C (135°F)  
Note: Battery characteristics may limit this range.

Polarity Positive pressure on microphone diaphragm (or positive voltage applied to tip of WA302 phone plug) produces positive voltage on pin 2 (with respect to pin 3 of low-impedance output) and the tip of the high-impedance 1/4-inch output.

Component Specifications

BLX1 Bodypack Transmitter

Audio Input Level gain max: -16 dBV maximum
min (0 dB): +10 dBV maximum
Gain Adjustment Range 26 dB
Input Impedance 1 MΩ
RF Transmitter Output 10 mW, typical varies by region
Dimensions 110 mm x 64 mm x 21 mm (H x W x D)
Weight 75 g (2.6 oz.), without batteries
Housing Molded ABS
Power Requirements 2 LR6 AA batteries, 1.5 V, alkaline
Battery Life up to 14 hours (alkaline)

BLX2 Handheld Transmitter

Audio Input Level gain 0 dB, -20 dBV maximum
-10 dB, -10 dBV maximum
Gain Adjustment Range 10 dB
RF Transmitter Output 10 mW, typical varies by region
Dimensions 224 mm X 53 mm dia. (8 7/8 X 2 1/8 in.)
Weight 218 g (7.7 oz.) (without batteries)
Housing Molded ABS
Power Requirements 2 LR6 AA batteries, 1.5 V, alkaline
Battery Life up to 14 hours (alkaline)

BLX4R Wireless Receiver & BLX88 Dual Wireless Receiver

Output Impedance XLR connector: 200 Ω
6.35 mm (1/4") connector: 50 Ω
Audio Output Level XLR connector: -27 dBV (into 100 kΩ load)
6.35 mm (1/4") connector: -13 dBV (into 100 kΩ load)
Ref. ±33 kHz deviation with 1 kHz tone
RF Sensitivity >-50 dB, typical
Image Rejection >50 dB, typical
Dimensions BLX4: 40 mm X 198 mm X 163 mm (H x W x D)
BLX88: 40 mm X 388 mm X 116 mm (H x W x D)
Weight BLX4: 241 g (8.5 oz.)
BLX88: 429 g (15.1 oz.)
Housing Molded ABS
Power Requirements 12–15 V DC @ 160 mA (BLX88, 320 mA), supplied by external power supply (tip positive)

BLX4R Wireless Receiver

Output Impedance XLR connector: 200 Ω
6.35 mm (1/4") connector: 50 Ω
Audio Output Level XLR connector: -20.5 dBV (into 100 kΩ load)
6.35 mm (1/4") connector: -13 dBV (into 100 kΩ load)
Ref. ±33 kHz deviation with 1 kHz tone
RF Sensitivity >-50 dB, typical
Image Rejection >50 dB, typical
Dimensions 50 mm X 198 mm X 163 mm (H x W x D)
Weight 998 g (2.2 lb.) without antennas
Housing Molded ABS, steel
Power Requirements 12–15 V DC @ 260 mA, supplied by external power supply (tip positive)