





PRODUCT NAME

SHURE BLX24/PG58-H8E

DESCRIPTION

Shure BLX24/PG58-H8E is a wireless microphone set, which consists of a solid Shure BLX2/PG58 transmitter and a Shure BLX4 receiver, which has a three-pin XLR microphone output and a 6.3-mm jack output for the instrument.

The equipment uses the 518-542MHz UHF band and has a 60-15000Hz frequency response. The dynamic range is 100dBA. The set can be operated within a range of 91 meters.

The integrated PG58 microphone capsule with cardioid characteristics with a BLX2 hand-held transmitter has a sensitivity of -51dBV/Pa (2.8mV @ 1kHz, 1Pa is equal to 94dB SPL). The dynamic microphone quickly synchronizes transmission frequencies, and two AA batteries allow about 14 hours of operation (according to the manufacturer's specifications). An LED indicator informs when the battery is low.

Made of molded ABS, the analog BLX4 receiver supports up to 12 systems in one frequency band. With a deviation of +/-33kHz for a frequency of 1kHz and a load of 100 ohms, the audio output level on the XLR connector is -20.5dBV. With analogous parameters, the level for the 6.3-mm jack is -13dBV.

The Shure BLX24/PG58-H8E vocal wireless system is available at SQM Multimedia Support equipment rental.

SPECIFICATIONS

Device type	Wireless microphone
Device type	Receiver
Working range (m)	91 (Ideal conditions)
Operating frequency (MHz)	518 ~ 542 (UHF)
Frequency response (Hz)	60 ~ 15000
Dynamic range (dB)	100 (A-weighted)
THD (%)	0.5
RECEIVER	
Output impedance (Ω)	200 (XLR)
Output impedance (Ω)	50 (6.3mm jack)
RF sensitivity (dBm)	-105 (12dB SINAD)
Image rejection (dB)	50
TRANSMITTER/MIC	
Microphone type	Dynamic
Polar pattern	Cardioid
Microphone sensitivity (dBV/Pa)	-51 (2.8mV/Pa, 1kHz)
Gain adjustment range (dB)	10 (-20dBV, -10dBV)

SPECIFICATIONS

RF output (mW)	10
Microphone length (mm)	224
Microphone diameter (mm)	53 (Capsule)
Microphone net weight (kg)	0.218
Width (mm)	188
Height (mm)	40
Depth (mm)	103
Net weight (kg)	0.241