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Shure BLX24/PG58

Shure BLX24/PG58 Wireless Microphone System User Manual

MODEL: BLX24/PG58-H9 (H9 BAND: 512-542 MHz)

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1. Introduction

This manual provides instructions for the Shure BLX24/PG58 Wireless Microphone System. This system is designed for vocal applications in small venues, offering wireless audio transmission with a PG58 handheld microphone and a single-channel receiver. The BLX system is engineered for straightforward setup and reliable performance.



Figure 1: Shure BLX24/PG58 Wireless Microphone System

2. What's in the Box

The Shure BLX24/PG58 Wireless Microphone System package includes the following components:

- BLX4 Single-Channel Receiver
- Power Supply for BLX4 Receiver

- BLX2 Handheld Wireless Transmitter with integrated PG58 Vocal Microphone Capsule
- Microphone Clip
- 2x AA Batteries
- User Guide

3. System Components

3.1 BLX4 Single-Channel Receiver

The BLX4 receiver processes the wireless signal from the transmitter and outputs it to an audio system. It features controls for group and channel selection, and indicators for audio and ready status.



Figure 2: BLX4 Receiver Front Panel



Figure 3: BLX4 Receiver Rear Panel with connection ports

3.2 BLX2 Handheld Wireless Transmitter with PG58 Microphone

The BLX2 transmitter integrates a PG58 vocal microphone capsule, providing a robust and clear audio input. It operates on AA batteries and transmits the audio signal wirelessly to the BLX4 receiver.





Figure 4: BLX2 Handheld Transmitter with PG58 Microphone

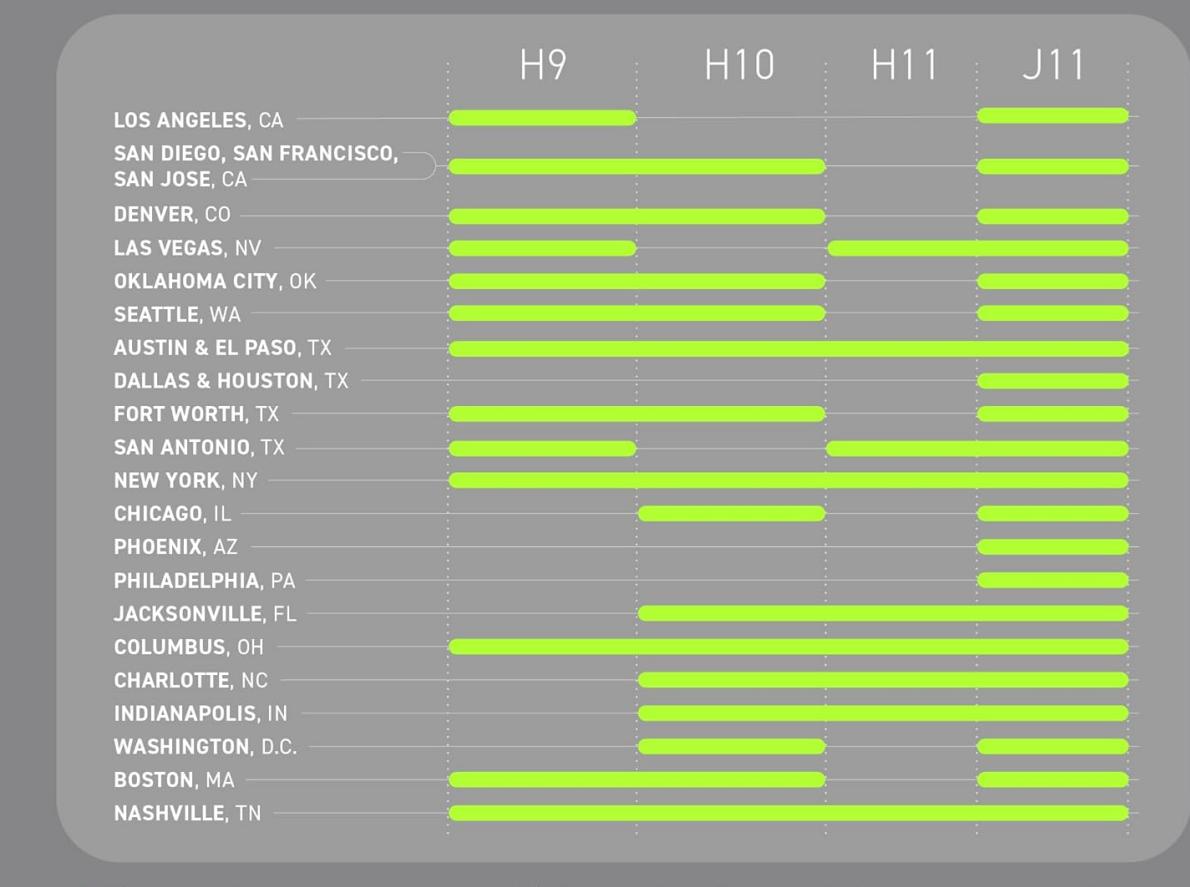
4. Setup

4.1 Wireless Frequency Band Selection

Before setup, ensure the H9 band (512-542 MHz) is suitable for your geographical location to avoid interference. Consult the Shure Wireless Frequency Finder for detailed regional compatibility.

WIRELESS FREQUENCY SELECTION

Find the right wireless band for your location



+ Please refer to the Frequency Finder on the Shure website for more locations!

Figure 5: Wireless Frequency Selection Guide for various regions

4.2 Battery Installation (Transmitter)

1. Unscrew the bottom cap of the BLX2 handheld transmitter.
2. Insert two AA batteries, observing correct polarity.
3. Securely reattach the bottom cap.

4.3 Receiver Connection

1. Connect the provided power supply to the BLX4 receiver's power input and to an AC outlet.
2. Connect the receiver's audio output (XLR or 1/4-inch instrument out) to your mixer or audio system using an appropriate cable.

4.4 Transmitter-Receiver Pairing

The BLX system is designed for quick synchronization. Follow the instructions in the included user guide to pair the transmitter with the receiver. This typically involves selecting a group and channel on the receiver, then synchronizing the transmitter to the same settings.

5. Operation

5.1 Power On/Off

- To power on the receiver, press the power button on the front panel.
- To power on the transmitter, press and hold the power button on the microphone handle until the indicator light illuminates.
- To power off, repeat the respective steps.

5.2 Group and Channel Selection

The BLX system allows selection of groups and channels to find a clear frequency. Refer to the receiver's front panel (Figure 2) for group (A-Y) and channel (0-9) buttons. Adjust these settings to match the transmitter for optimal performance.

5.3 Performance Characteristics

The system operates with a range of up to 300 feet (100 meters) under optimal conditions. BLX transmitters provide up to 14 hours of operation from a single pair of AA batteries. The system supports up to 12 channels per frequency band, depending on regional and environmental factors.



Figure 6: Key Performance Features

6. Maintenance

6.1 Cleaning

- Wipe the receiver and transmitter surfaces with a soft, dry cloth.
- Do not use abrasive cleaners or solvents.
- Periodically clean the microphone grille to prevent debris buildup.

6.2 Battery Care

- Replace AA batteries in the transmitter when the battery indicator shows low power or turns red.
- Remove batteries from the transmitter if the system will not be used for an extended period to prevent leakage.

7. Troubleshooting

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No sound or weak signal	Transmitter off; low batteries; incorrect frequency; receiver not connected to audio system; excessive range.	Ensure transmitter is on; replace batteries; verify transmitter and receiver are on the same group/channel; check audio cable connections; reduce distance between transmitter and receiver.
Interference or static	Other wireless devices; local RF interference; incorrect frequency selection.	Scan for a clear frequency and resynchronize; move away from other wireless devices or sources of interference.
Receiver 'Ready' light off	Transmitter off or out of range; transmitter and receiver not paired.	Turn on transmitter; ensure transmitter is within range; re-pair transmitter and receiver.
Short battery life	Old or low-quality batteries.	Use fresh, high-quality alkaline AA batteries.

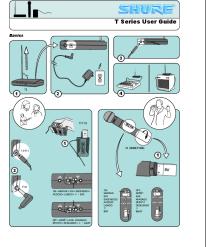
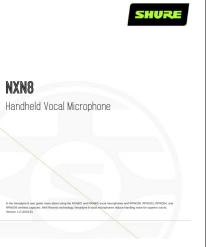
8. Specifications

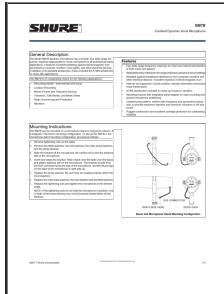
Feature	Detail
Model	BLX24/PG58-H9
Frequency Band	H9 (512-542 MHz)
Microphone Form Factor	Handheld
Microphone Capsule	PG58
Receiver Type	Single Channel
Operating Range	300 feet (100m) line of sight
Battery Life (Transmitter)	Up to 14 hours (with 2 AA alkaline batteries)
Number of Channels	1 (up to 12 compatible systems per frequency band)
Power Source	Battery Powered (Transmitter), AC Adapter (Receiver)
Material	Metal
Item Weight	3 pounds (total system)
Product Dimensions	13.5 x 4 x 12 inches
Connectivity Technology	Wireless
Connector Type	XLR (Receiver Output)
Polar Pattern	Unidirectional (PG58)

9. Warranty and Support

For warranty information, technical support, or service inquiries, please refer to the official Shure website or contact Shure customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

Related Documents - BLX24/PG58

	<p>Shure NXN8 Handheld Vocal Microphone: User Guide, Specs, and Features</p> <p>Explore the Shure NXN8 Handheld Vocal Microphone. This user guide covers Nexadyne 8/C and 8/S models, Revonic technology, polar patterns, specifications, and accessories. Ideal for professional vocal performances.</p>
	<p>Shure SM7B Cardioid Dynamic Vocal Microphone User Guide</p> <p>Official user guide for the Shure SM7B, a renowned cardioid dynamic vocal microphone. Learn about its general description, mounting instructions, windscreens, detailed specifications, accessories, and replacement parts.</p>
	<p>Shure T Series Wireless User Guide</p> <p>Comprehensive user guide for the Shure T Series wireless microphone systems, covering setup, operation, troubleshooting, and specifications for various models like T1, T1G, T11, T2, and T3.</p>
	<p>Shure NXN8 Handheld Vocal Microphone: Revonic™ Technology for Superior Sound</p> <p>Discover the Shure NXN8 Handheld Vocal Microphone, featuring Revonic™ dual-engine transducer technology for exceptional vocal clarity, reduced handling noise, and superior performance. Explore specifications, features, and comparisons for the NXN8/C (cardioid) and NXN8/S (supercardioid) models.</p>
	<p>Shure SM7B Cardioid Dynamic Vocal Microphone User Guide</p> <p>User guide for the Shure SM7B Cardioid Dynamic Vocal Microphone, detailing its features, applications, mounting instructions, specifications, accessories, and replacement parts.</p>



[Shure SM7B Cardioid Dynamic Vocal Microphone - Product Overview and Specifications](#)

Detailed information about the Shure SM7B Cardioid Dynamic Vocal Microphone, including its features, specifications, mounting instructions, and accessories. Ideal for professional audio applications in studios, broadcast, and live sound.