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Shure BLX288/PG58-H10

Shure BLX288/PG58 Wireless Microphone System User Manual

Model: BLX288/PG58-H10 | Brand: Shure

Introduction

The Shure BLX288/PG58 Wireless Microphone System offers professional-quality sound with straightforward setup and an intuitive interface, designed for small to medium-sized venues. This dual-channel system includes two PG58 handheld vocal microphones and a BLX88 dual-channel receiver, providing reliable wireless performance with up to 14 hours of battery life and a range of 300 feet (100m).
This manual provides essential information for setting up, operating, and maintaining your BLX288/PG58 system to ensure optimal performance and longevity.



Image: The Shure BLX288/PG58 Wireless Microphone System, featuring the BLX88 dual-channel receiver and two PG58 handheld wireless microphones.

What's in the Box

Upon opening your Shure BLX288/PG58 Wireless Microphone System, please verify that all the following components are included:

- BLX88 dual-channel receiver
- 2x BLX2 handheld wireless transmitters with integrated PG58 vocal microphone capsules
- Power supply for receiver
- 2x Microphone clips
- 4x AA batteries (2x for each transmitter)
- User guide



Image: The retail packaging for the Shure BLX Wireless Combo System, indicating the included components.

Setup Guide

1. Receiver Placement and Connection

Place the BLX88 receiver on a stable surface, away from large metal objects or other wireless devices that could cause interference. Ensure good line-of-sight between the receiver and the transmitters.

- Connect the included power supply to the receiver's power input and plug it into an AC outlet.
- Connect the receiver's audio outputs (XLR or 1/4-inch instrument out) to your mixer or amplifier's inputs. For dual microphone operation, use both output cables.



Image: Front view of the BLX88 dual-channel receiver, showing the display and control buttons.



Image: Rear view of the BLX88 dual-channel receiver, highlighting the XLR and 1/4-inch instrument output ports, and power input.

2. Transmitter Battery Installation

Each BLX2 handheld transmitter requires two AA batteries. The system includes 4 AA batteries (2 for each transmitter).

1. Unscrew the bottom cap of the BLX2 microphone.
2. Insert two AA batteries, observing the correct polarity (+/-) as indicated inside the battery compartment.
3. Replace the bottom cap and screw it securely.





Image: A detailed view of the Shure BLX2 handheld microphone, featuring the PG58 capsule and power button.

3. Frequency Selection

It is crucial to select a wireless frequency band that is suitable for your geographical area to avoid interference. The BLX288/PG58 system operates in the H10 Band (542-572 MHz).
Refer to the Shure website's Wireless Frequency Finder for detailed information on compatible frequencies in your location. The system allows for up to 12 channels per frequency band.

Image: A chart illustrating wireless frequency band availability (H9, H10, H11, J11) across various U.S. cities, emphasizing the importance of selecting the correct band for your location.

4. Pairing and Synchronization

The BLX system features a user-friendly interface for quick pairing.

1. Power on the receiver and the transmitters.
2. On the receiver, press the Group button to scan for available frequencies.
3. Once a clear frequency is found, press the Channel button to synchronize the transmitter. The receiver's display will show the selected group and channel.

For a visual guide on setting up a transmitter, watch this official Shure video:

▶ **Watch video online**
Shure BLX Wireless Systems - How to Setup a Transmitter

Video: Shure BLX Wireless Systems - How to Setup a Transmitter. This video demonstrates the steps to properly set up and synchronize a BLX wireless transmitter with the receiver.

Operating Instructions

Power On/Off

- To power on the receiver, press the power button on the front panel.
- To power on the BLX2 handheld transmitter, press and hold the power button until the LED indicator illuminates.
- To power off, press and hold the power button on both the receiver and transmitters until the units shut down.

Performing a Soundcheck

Before any performance or event, it is essential to perform a soundcheck to ensure optimal audio levels and prevent feedback.
Watch this official Shure video for a comprehensive guide on performing a soundcheck:

▶ **Watch video online**
Shure BLX Wireless Systems - How to Perform a Soundcheck

Video: Shure BLX Wireless Systems - How to Perform a Soundcheck. This video provides step-by-step instructions for conducting an effective soundcheck with your BLX wireless system.

Range and Performance

The BLX system offers an operating range of up to 300 feet (100m) under optimal conditions. Factors such as obstacles, Wi-Fi signals, and other wireless devices can affect the range and signal quality. Maintain line-of-sight between the transmitter and receiver for best results.

System Expansion

The Shure BLX system supports running up to 12 channels per frequency band, allowing for multiple wireless systems to operate simultaneously. This is useful for larger setups requiring more microphones.
For instructions on adding additional receivers to your setup, refer to this official Shure video:

▶ **Watch video online**
Shure BLX Wireless Systems - How to Add a Receiver

Video: Shure BLX Wireless Systems - How to Add a Receiver. This video explains how to integrate additional receivers into your existing BLX wireless setup.

Maintenance

Battery Replacement

The BLX transmitters provide up to 14 hours of continuous use with fresh AA alkaline batteries. When the battery indicator on the transmitter turns red or flashes, replace the batteries promptly to avoid interruption during use.

Cleaning

- Wipe the receiver and transmitters with a soft, dry cloth.
- For microphones, gently clean the grille and body. Avoid using harsh chemicals or abrasive materials.

Storage

Store the system in a cool, dry place when not in use. Remove batteries from transmitters if storing for extended periods to prevent leakage and damage.

Troubleshooting

Problem	Possible Cause	Solution
No sound or low volume	Transmitter off, low batteries, receiver off, incorrect cable connection, mixer input level too low.	Ensure all units are powered on. Replace batteries. Check all cable connections. Adjust mixer input gain.
Interference or static	Other wireless devices, Wi-Fi, too far from receiver, obstacles.	Change frequency channel on receiver and transmitter. Move receiver closer to transmitter. Remove obstacles. Turn off other interfering devices.
Feedback (howling sound)	Microphone too close to speakers, microphone gain too high.	Move microphone away from speakers. Reduce microphone gain on mixer. Adjust speaker placement.
Short operating range	Antenna obstruction, environmental interference.	Ensure clear line-of-sight between transmitter and receiver. Check for strong sources of interference.

Specifications

Feature	Specification
Model	BLX288/PG58-H10
Wireless Frequency Band	H10 Band (542-572 MHz)
Operating Range	300 ft (100m) line of sight
Battery Life	Up to 14 hours (with AA alkaline batteries)
Microphone Form Factor	Handheld (PG58 capsule)
Number of Channels	2 (Dual Channel Receiver)
Max Systems Per Band	Up to 12 (region and environment dependent)
Receiver Dimensions (L x W x H)	19.3 x 3.5 x 16.4 inches
Item Weight	5.1 Pounds
Power Source	Battery Powered (transmitters), AC Adapter (receiver)

Feature	Specification
Material	Plastic
Connectivity Technology	Wireless
Connector Type	XLR
Polar Pattern	Unidirectional

Warranty and Support

Shure products are engineered for durability and reliability. For detailed warranty information, please refer to the official Shure Warranty Document (PDF).
For additional support, product registration, or to explore other Shure products, visit the official Shure Store on Amazon.
You can also find the full user manual in PDF format here: User Guide (PDF) and User Manual (PDF).

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