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Shure BLX24/SM58-H10

Shure BLX24/SM58 Wireless Microphone System User Manual

Model: BLX24/SM58-H10 (H10 Band: 542-572 MHz)

Brand: Shure

INTRODUCTION

The Shure BLX24/SM58 Wireless Microphone System provides professional-quality sound with simple setup and an intuitive interface. This system is designed for small venues and offers reliable wireless freedom with a handheld SM58 vocal microphone and a single-channel receiver. It features a 14-hour battery life and a 300 ft operating range.



The Shure BLX24/SM58 Wireless Microphone System, featuring the SM58 handheld microphone and the BLX4 receiver.



Close-up view of the Shure BLX4 receiver and the SM58 handheld microphone.

SETUP

1. Wireless Frequency Band Selection

Before initial setup, ensure the selected wireless frequency band is compatible with your geographical area. Refer to the Shure website's Wireless Frequency Finder for detailed information specific to your location. The BLX24/SM58-H10 operates within the H10 Band (542-572 MHz).



A chart illustrating available wireless frequency bands (H9, H10, H11, J11) and their compatibility in various US cities. The H10 band is highlighted for several locations.

2. Connecting the Receiver

Connect the BLX4 receiver to your audio system (e.g., mixer, amplifier) using an XLR cable for microphone output or a 1/4-inch cable for instrument output. Ensure the power supply is connected to the receiver.



The rear panel of the BLX4 receiver, displaying the power input, XLR microphone output, and 1/4-inch instrument output ports.

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Official Shure video demonstrating how to choose the best channel for BLX Wireless Systems, ensuring optimal performance and interference avoidance.

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Official Shure video tutorial on setting up a transmitter for BLX Wireless Systems, including battery installation and pairing procedures.

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Official Shure video guide on how to add an additional receiver to your BLX Wireless System, expanding your setup capabilities.

3. Inserting Batteries into the Microphone

The BLX2 handheld transmitter requires 2 AA batteries (included). Unscrew the bottom part of the microphone to access the battery compartment. Insert the batteries, ensuring correct polarity, then reattach the bottom part.





The Shure BLX2 handheld microphone with its battery compartment open, showing where to insert the AA batteries.

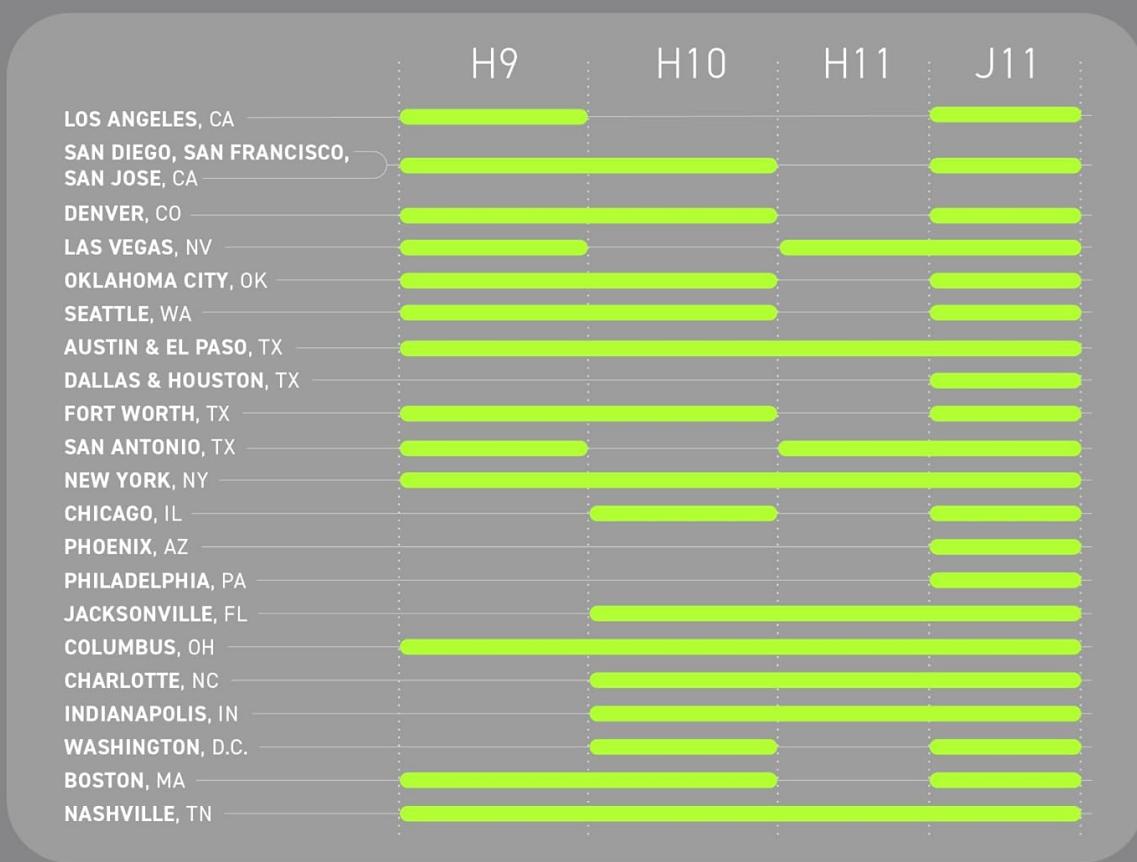
4. Powering On

Press and hold the power button on both the receiver and the handheld microphone until the indicator lights illuminate. The system should automatically sync to an available channel.

SHURE

WIRELESS FREQUENCY SELECTION

Find the right wireless band for your location



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

The front panel of the BLX4 receiver, showing the power button, audio and ready indicators, and group/channel selection buttons.



A close-up of the Shure BLX2 handheld microphone, highlighting its power button and indicator light.

OPERATING INSTRUCTIONS

1. Range and Performance

The BLX Wireless System operates up to a range of 300 feet (100m) in optimal conditions, providing freedom of movement without interruption. The system delivers superior audio performance, ensuring clear and consistent sound.



GIVE THE GIFT OF LEGENDARY SOUND

A person holding the Shure BLX2 handheld microphone, demonstrating its ergonomic design for comfortable use during performances.

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Official Shure video providing guidance on how to perform a soundcheck with BLX Wireless Systems, ensuring optimal audio levels and clarity.

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Official Shure video highlighting the enduring legacy and performance capabilities of the SM58 microphone, emphasizing its robust design and sound quality.

2. Battery Life

BLX transmitters offer up to 14 hours of power from a single pair of AA batteries, allowing for extended use during performances or events.

MAINTENANCE

1. Battery Replacement

Regularly check battery levels on your handheld microphone. Replace AA batteries when the indicator shows

low power to avoid interruptions during use. Consider using rechargeable AA batteries for environmental and cost efficiency.

2. Cleaning and Storage

Wipe down the microphone and receiver with a soft, dry cloth after each use. Store the system in a dry, cool place away from extreme temperatures and moisture. Avoid dropping the microphone, as repeated impacts can affect performance, though the SM58 is known for its durability.

TROUBLESHOOTING

1. No Sound or Intermittent Audio

- Ensure both the receiver and microphone are powered on and fully charged.
- Verify that the receiver is correctly connected to your audio system.
- Check that the microphone and receiver are synced to the same group and channel.
- Confirm that the microphone is not muted.
- Move closer to the receiver to rule out range issues or environmental interference.

2. Interference or Poor Sound Quality

- Perform a channel scan on the receiver to find a clear frequency.
- Ensure there are no other wireless devices operating on the same frequency band nearby.
- Avoid placing the receiver near large metal objects or other electronic equipment that may cause interference.

SPECIFICATIONS

Feature	Specification
Model Name	BLX24/SM58-H10
Brand	Shure
Connectivity Technology	Wireless
Connector Type	XLR
Microphone Form Factor	Microphone System
Power Source	Battery Powered
Number of Batteries	2 AA batteries required (included)
Battery Life	Up to 14 hours
Operating Range	Up to 300 feet (100m)
Signal-to-Noise Ratio	78 dB
Number of Channels	1

Item Weight	4.3 pounds
Product Dimensions	18.3 x 13.1 x 4.3 inches
Included Components	BLX2 Handheld Transmitter (SM58), BLX4 Wireless Receiver, PS24 Power Supply

WARRANTY AND SUPPORT

For warranty information and technical support, please visit the official Shure Incorporated website or contact their customer service. Shure offers various protection plans for their products, which can be purchased separately for extended coverage.

For additional resources and product registration, visit: www.shure.com