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› Shure BLX24/SM58 Wireless Microphone System - 14-Hour Battery Life, 300 ft Range, UHF | Includes SM58 Handheld Vocal Mic, Single Channel Receiver | J11 Band (BLX24/SM58-J11) Full System J11 Band (596-616 MHz)

Shure BLX24/SM58-J11

Shure BLX24/SM58 Wireless Microphone System User Manual

Model: BLX24/SM58-J11

Brand: Shure

INTRODUCTION

The Shure BLX Wireless Microphone System offers professional-quality sound with simple setup and an intuitive interface, providing wireless freedom for various applications. This system is ideal for small venues and includes an SM58 handheld vocal microphone and a single-channel receiver.

Key features include:

- Wireless frequency band selection (J11 Band: 596-616 MHz)
- Superior audio performance for any vocal need
- Operating range up to 300 feet (100m)
- Quick and easy setup
- Up to 14 hours of battery life from two AA batteries

SHURE

BLX WIRELESS MICROPHONE SYSTEM

WIRELESS FREEDOM, MADE SIMPLE.

Simplify setup. Amplify your message.
Experience wireless freedom that's effortless
with the BLX Wireless Microphone System.



Image: Overview of the Shure BLX Wireless Microphone System, highlighting its components.

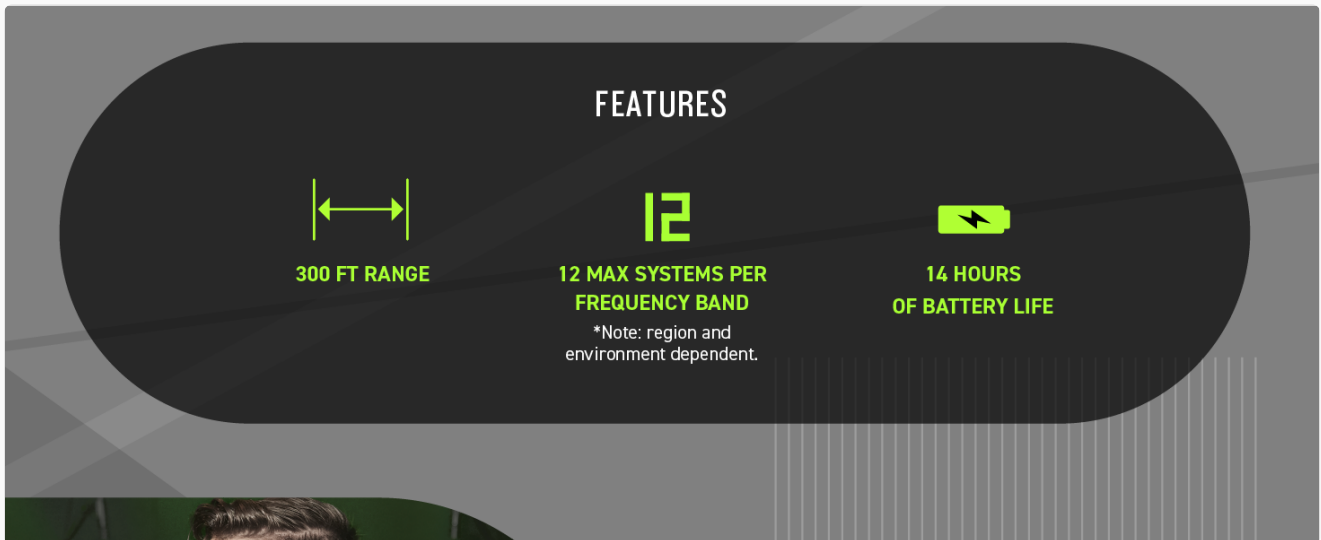


Image: Key features of the BLX system including range, maximum systems, and battery life.

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Video: An overview of the Shure BLX Wireless Systems, detailing their capabilities and benefits.

WHAT'S IN THE BOX

- Shure BLX4 Single Channel Receiver
- Shure BLX2/SM58 Handheld Transmitter with SM58 Microphone Capsule
- User Manual
- 2 AA Batteries



Image: The Shure BLX4 receiver and BLX2/SM58 handheld microphone, the main components of the system.

SETUP GUIDE

1. Transmitter Setup

Before use, ensure the handheld transmitter has fresh AA batteries installed. The BLX2 transmitter uses two AA batteries for up to 14 hours of operation.







Image: The BLX2 handheld microphone with its battery compartment open, showing the battery slots.





Image: The BLX2 handheld microphone with two AA batteries correctly inserted into its compartment.

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Video: Instructions on how to set up the Shure BLX Wireless Transmitter, including battery installation and power-on.

2. Receiver Setup

Place the BLX4 receiver in a location that maintains a clear line of sight to the transmitter for optimal performance. Connect the included power supply to the receiver and then to a power outlet. Connect the receiver's audio output to your sound system (mixer, amplifier, or powered speaker) using an XLR cable or a 1/4" instrument cable.



Image: Front view of the Shure BLX4 receiver, showing the display and control buttons.



Image: Rear view of the Shure BLX4 receiver, displaying the power input, XLR microphone output, and 1/4" instrument output ports.

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Video: A step-by-step guide on how to set up the Shure BLX Wireless Receiver, including power and audio connections.

OPERATING INSTRUCTIONS

Channel Selection

To ensure optimal performance and avoid interference, it is crucial to select the best available channel for your

wireless system. The BLX system features a one-touch QuickScan frequency selection function that quickly locates the best open frequency.

1. Turn on the receiver. Ensure the transmitter is OFF at this time.
2. Press the "Group" button on the receiver to scan for the best group and channel. The receiver will automatically perform a channel scan and select the best available channel.
3. Turn on the transmitter. Open the battery compartment to access the group and channel buttons.
4. Set the transmitter to the same group and channel as displayed on the receiver.
5. The "Ready" LED on the receiver should illuminate green, indicating a successful connection.

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Video: Instructions on how to choose the best channel for your Shure BLX Wireless System to avoid interference.

Adding Multiple Receivers (BLX88)

If you are using a BLX88 dual-channel receiver or adding multiple BLX4 receivers, the group scan function on the BLX88 will set up both channels simultaneously. For individual BLX4 receivers, ensure each is set to the same group but a different channel to prevent interference.

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Video: Guide on how to add an additional receiver to your Shure BLX Wireless System, including setting up multiple channels.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the microphone and receiver. Avoid using harsh chemicals or abrasive materials.
- **Battery Replacement:** Replace batteries promptly when the low battery indicator appears to ensure uninterrupted performance. Always use fresh AA alkaline batteries or fully charged rechargeable batteries.
- **Storage:** Store the system in a cool, dry place away from extreme temperatures and humidity when not in use.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No Sound	Transmitter or receiver not powered on; incorrect channel selection; audio cables disconnected.	Ensure both units are powered on. Perform a channel scan and sync. Check all cable connections.
Interference/Static	Nearby wireless devices; poor line of sight; incorrect frequency.	Perform a channel scan to find a clear frequency. Ensure clear line of sight between transmitter and receiver. Avoid other wireless devices.
Low Battery Indicator	Low battery level in transmitter.	Replace transmitter batteries with fresh AA alkaline batteries or fully charged rechargeable batteries.
Limited Range	Obstructions; excessive distance; environmental factors.	Ensure clear line of sight. Reduce distance between transmitter and receiver. Avoid placing receiver near large metal objects.

SPECIFICATIONS

Feature	Detail
Brand	Shure
Model Name	BLX24/SM58
Item Model Number	BLX24/SM58-J11
Microphone Form Factor	Microphone System (Handheld)
Connectivity Technology	Wireless (UHF) / XLR
Operating Range	Up to 300 feet (100m) line of sight
Battery Life	Up to 14 hours (with 2 AA batteries)
Power Source	Battery Powered (Transmitter), AC Adapter (Receiver)
Number of Channels	1 (Single Channel Receiver)
Signal-to-Noise Ratio	78 dB
Item Weight	4.3 Pounds
Product Dimensions	18.3 x 13.1 x 4.3 inches
Material	Plastic, Metal, or Alloy Steel
Color	Black
Included Components	User manual, battery

WARRANTY & SUPPORT

For detailed warranty information and additional support, please refer to the official documentation:

- [Warranty \(PDF\)](#)
- [Visit the Shure Store on Amazon](#)

For further assistance, please contact Shure customer support.