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Shure BLX2/SM58

Shure BLX2/SM58 Wireless Handheld Transmitter with SM58 Vocal Microphone Capsule (H9 Band) Instruction Manual

This manual provides comprehensive instructions for the Shure BLX2/SM58 Wireless Handheld Transmitter with SM58 Vocal Microphone Capsule, designed for use with BLX Wireless Microphone Systems. Learn about setup, operation, maintenance, and troubleshooting for optimal performance.

1. INTRODUCTION

The Shure BLX2/SM58 is a wireless handheld transmitter featuring the legendary SM58 vocal microphone capsule. It is designed for seamless integration with Shure BLX Wireless Microphone Systems, offering reliable audio transmission for various applications. This manual will guide you through the essential steps for setting up, operating, and maintaining your BLX2/SM58 transmitter.



Image: Overview of a Shure BLX Wireless System, showing a receiver unit and a handheld microphone, illustrating the components working together.

2. WHAT'S IN THE BOX

Your Shure BLX2/SM58 package includes the following items:

- BLX2 handheld wireless transmitter with integrated SM58 vocal microphone capsule
- Microphone clip
- 2x AA batteries
- User guide

3. SETUP GUIDE

3.1. Receiver Placement

Place the BLX receiver in a location that maintains a clear line of sight to the transmitter. Avoid placing the receiver near large metal objects, other wireless devices, or sources of radio frequency interference. Optimal placement ensures stable signal reception.

Video: This video demonstrates the proper setup of a Shure BLX Wireless Receiver, including connecting power and audio outputs.

3.2. Connecting the Receiver

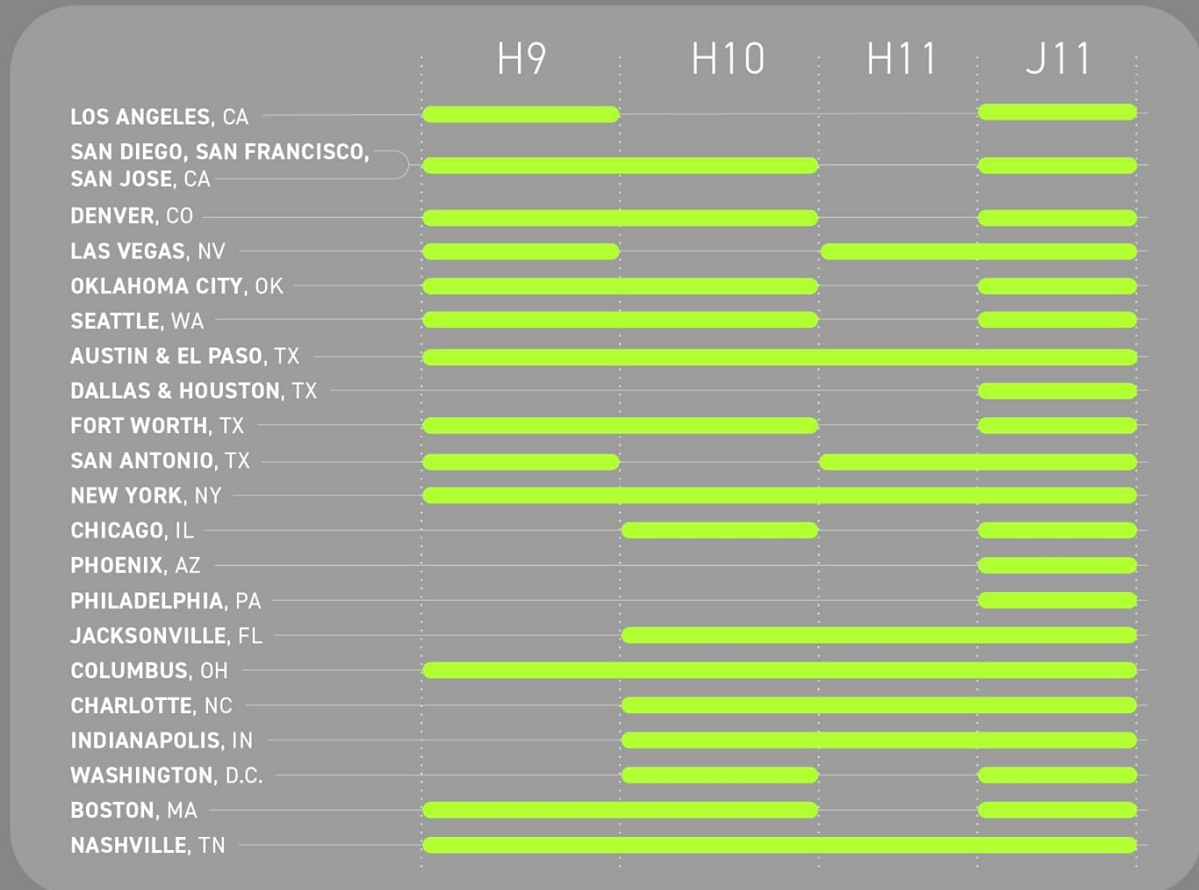
Connect the receiver to your sound system using either the XLR output for a balanced connection to a mixer or the 1/4" output for an unbalanced connection to a guitar amplifier or similar input. Ensure all connections are secure.

3.3. Frequency Band Selection

Before operation, ensure the wireless frequency band of your BLX2/SM58 transmitter (H9 Band: 512-542 MHz) is compatible with your BLX receiver and suitable for your geographical area. Refer to the Shure website's Wireless Frequency Finder for detailed information on available frequencies in your region.

WIRELESS FREQUENCY SELECTION

Find the right wireless band for your location



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

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

Video: This video provides guidance on how to choose the best channel for your Shure BLX Wireless System to avoid interference and ensure clear audio.

4. OPERATION

4.1. Powering On/Off

To power on the receiver, press the power button. The display will illuminate. To power on the BLX2/SM58 transmitter, press and hold the power button on the transmitter until the LED indicator lights up green.

4.2. Channel Scan and Synchronization

Ensure all transmitters are off before performing a channel scan on the receiver. Press the 'Group' button on the receiver to initiate an automatic scan for the best available group and channel. Once the receiver displays a stable group and channel, turn on your BLX2/SM58 transmitter. Open the battery compartment to access the group and channel buttons. Set the transmitter to the same group and channel as displayed on the receiver. The receiver's

'Ready' LED should turn solid green, indicating successful synchronization.

Video: This video demonstrates how to add an additional receiver to your Shure BLX Wireless System, including the synchronization process.

4.3. Audio Level Adjustment (Gain)

Test the audio by speaking into the microphone at typical performance levels. Observe the audio LED on the receiver. If the LED is consistently red, the audio input is too high (overload). To adjust the gain on the BLX2/SM58 transmitter, open the battery compartment. If the receiver audio LED is consistently red, press and hold the 'channel' button for 5 seconds until a dot appears next to '-10 dB' on the transmitter's display. This activates the -10 dB pad, reducing the input sensitivity. If the LED remains green, the levels are normal.

Video: This video guides you through performing a soundcheck with your Shure BLX Wireless System, including monitoring audio levels and adjusting gain.

5. MAINTENANCE

5.1. Battery Installation and Replacement

The BLX2/SM58 transmitter operates on 2 AA batteries, providing up to 14 hours of power. To install or replace batteries, unscrew the bottom portion of the transmitter to reveal the battery compartment. Insert two fresh AA batteries, ensuring correct polarity. Close the compartment securely.



Image: A close-up view of the Shure BLX2 handheld transmitter with its lower casing removed, revealing the battery compartment with two AA batteries inserted.

5.2. Care and Cleaning

Regularly clean the microphone grille and body with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials. Store the transmitter in a dry, cool place when not in use to prolong its lifespan.

6. TROUBLESHOOTING

Issue	Possible Solution
No audio output	Ensure receiver and transmitter are powered on and synchronized to the same group/channel. Check battery levels. Verify audio cables are correctly connected to the sound system.
Interference or static	Perform a channel scan on the receiver to find a clear frequency. Ensure clear line of sight between transmitter and receiver. Move away from other wireless devices or sources of RF interference.
Low audio level	Adjust the gain on the transmitter (deactivate -10 dB pad if active). Increase input gain on your mixer/sound system.
Distorted audio	Activate the -10 dB pad on the transmitter if the receiver's audio LED is consistently red. Reduce input gain on your mixer/sound system.

7. SPECIFICATIONS


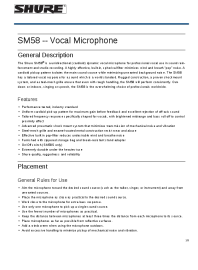

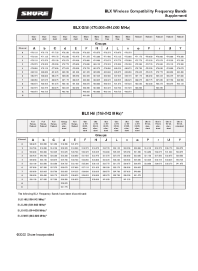

Feature	Detail
Model Number	BLX2/SM58
Brand	Shure
Microphone Form Factor	Microphone System
Item Weight	12.8 ounces
Product Dimensions	11 x 3.3 x 5.3 inches
Power Source	Battery Powered (2 AA batteries)
Battery Life	Up to 14 hours
Material	Metal
Signal-to-Noise Ratio	60 dB
Number of Channels	1 (per receiver)
Frequency Response	20 KHz
Connectivity Technology	UHF
Connector Type	Wireless
Polar Pattern	Unidirectional
Operating Range	Up to 300 feet (100m)

8. WARRANTY AND SUPPORT

The Shure BLX2/SM58 comes with a 2-YEAR WARRANTY. For technical support, warranty claims, or additional product information, please visit the official Shure website or contact their customer service department. Keep your purchase receipt as proof of purchase for warranty purposes.

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Related Documents - BLX2/SM58

	<p>Shure SM58 Vocal Microphone User Guide and Specifications</p> <p>Comprehensive user guide for the Shure SM58 cardioid dynamic vocal microphone. Learn about its features, placement, specifications, accessories, and certifications for professional audio applications.</p>
	<p>Shure SM58 Vocal Microphone: Features, Specifications, and Usage Guide</p> <p>Detailed information on the Shure SM58 cardioid dynamic vocal microphone, including its general description, features, placement tips, technical specifications, accessories, and certifications.</p>
	<p>Shure SM58 Vocal Microphone User Guide</p> <p>Comprehensive user guide for the Shure SM58 cardioid dynamic vocal microphone, covering general description, features, placement, applications, specifications, accessories, and certifications.</p>
	<p>Shure BLX Wireless Compatibility Frequency Bands Supplement</p> <p>A comprehensive supplement detailing compatibility and frequency band information for various Shure BLX wireless systems, including models like BLX G18, BLX H8, BLX H9, BLX H10, BLX H11, BLX H62, BLX J10, BLX J11, BLX K12, BLX K14, BLX L27, BLX M15, BLX M17, BLX M19, BLX Q12, BLX R12, BLX S8, and BLX T11.</p>
	<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>

