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Shure PGXD2/SM58

Shure PGXD2/SM58 Digital Handheld Wireless Transmitter User Manual

Introduction

The Shure PGXD2/SM58 is a digital handheld wireless transmitter designed for vocal performance, featuring the legendary SM58 microphone capsule. This transmitter provides reliable, 24-bit digital audio for clear, consistent sound. This manual will guide you through the setup, operation, maintenance, and troubleshooting of your PGXD2/SM58 transmitter.





Image: The Shure PGXD2/SM58 Digital Handheld Wireless Transmitter, featuring the SM58 microphone capsule, shown in black and grey.

Setup

1. Battery Installation

The PGXD2/SM58 transmitter operates on two (2) AA batteries. For optimal performance and battery life, alkaline batteries are recommended. Ensure correct polarity when inserting the batteries.

1. Unscrew the bottom cap of the transmitter to access the battery compartment.
2. Insert two AA batteries, observing the polarity markings (+/-).
3. Securely screw the bottom cap back onto the transmitter.

2. Powering On and Pairing

The PGXD2/SM58 transmitter must be paired with a compatible Shure PGX Digital wireless receiver (sold

separately) to function. Refer to your receiver's manual for detailed pairing instructions. Generally, the process involves:

1. Ensure the receiver is powered on and in pairing mode.
2. Power on the PGXD2/SM58 transmitter by pressing and holding the power button until the LED illuminates.
3. Follow the on-screen prompts or indicator lights on both the transmitter and receiver to complete the pairing process. A successful pairing will typically be indicated by a solid green LED on the transmitter and receiver.

Operating the Transmitter

1. Power and Mute Status LED

The transmitter features an LED indicator that displays power, mute, and battery status. Consult your receiver's manual for specific LED color and flashing patterns related to battery life and mute status.

2. Adjustable Gain

The PGXD2/SM58 offers 10 dB of adjustable gain. This allows you to optimize the microphone's sensitivity for different vocal levels and sound sources, preventing distortion or ensuring sufficient signal strength. Adjust the gain using the controls located on the transmitter body, typically accessible by unscrewing the microphone head or a dedicated access panel.

3. Lockable Interface

To prevent accidental setting changes during performance, the transmitter features a lockable interface. Refer to your product's specific instructions for how to engage and disengage the lock function.

4. Operating Range and Battery Life

The transmitter has an operating range of up to 200 feet (60 meters) under optimal conditions. It provides up to 9 hours of continuous use from two AA batteries. Actual battery life may vary based on battery type and usage conditions.

Maintenance

To ensure the longevity and optimal performance of your Shure PGXD2/SM58 transmitter, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the transmitter. Avoid using harsh chemicals or abrasive cleaners.
- **Battery Care:** Remove batteries if the transmitter will not be used for an extended period to prevent leakage.
- **Storage:** Store the transmitter in a cool, dry place away from extreme temperatures and humidity.
- **Handling:** Handle the microphone with care to avoid dropping or impacting the capsule, which can affect sound quality.

Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
No audio or weak signal	Transmitter not powered on; Low batteries; Not paired with receiver; Gain set too low; Obstruction in line of sight.	Check power and battery status; Re-pair transmitter and receiver; Increase transmitter gain; Ensure clear line of sight between transmitter and receiver.
Distorted audio	Gain set too high; Microphone too close to sound source; Interference.	Decrease transmitter gain; Maintain appropriate distance from sound source; Check for potential sources of interference.
Intermittent signal	Out of range; Interference; Low batteries.	Move closer to receiver; Identify and eliminate interference sources; Replace batteries.

Specifications

- **Model:** PGXD2/SM58=-X8
- **Microphone Type:** Dynamic Microphone Capsule (SM58)
- **Polar Pattern:** Unidirectional
- **Connectivity:** Wireless
- **Operating Range:** 200 ft. (60 m)
- **Battery Life:** Up to 9 hours (with 2 AA batteries)
- **Power Source:** 2 AA batteries (included)
- **Audio Sensitivity:** 10 dB (adjustable gain)
- **Signal-to-Noise Ratio:** 78 dB
- **Item Dimensions:** 11 x 5.3 x 3.3 inches
- **Color:** Black, Grey
- **UPC:** 042406190596

Product Videos

Shure SM58: Born To Perform

Your browser does not support the video tag.

Video: An official Shure video showcasing the legacy and performance of the SM58 vocal microphone, highlighting its iconic status and use by various artists. This video emphasizes the microphone's durability and sound quality.

Shure Brand Video - Sound Extraordinary

Your browser does not support the video tag.

Video: An official Shure brand video titled 'Sound Extraordinary', illustrating Shure's commitment to high-quality audio products across various applications, from professional stages to everyday use.

Warranty and Support

Warranty Information

The Shure PGXD2/SM58 Digital Handheld Wireless Transmitter comes with a**2-year limited warranty**. Please

retain your proof of purchase for warranty claims. For full details regarding warranty terms and conditions, refer to the official Shure warranty documentation or visit the Shure website.

Customer Support

For technical assistance, product inquiries, or service, please visit the official Shure website or contact Shure customer support through the contact information provided on their website. You can also find additional resources, FAQs, and software updates there.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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