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› Shure P3RA Premium Wireless Bodypack Receiver for PSM300 Personal Monitoring Systems - G20 Band G20 Band (488-512 MHz)

Shure P3RA=-G20

Shure P3RA Premium Wireless Bodypack Receiver User Manual

Model: P3RA=-G20 | G20 Band (488-512 MHz)

INTRODUCTION

The Shure P3RA is a premium wireless stereo bodypack receiver designed for use with the PSM300 Personal Monitor System. It provides professional personal monitoring with detailed 24-bit digital audio and reliable wireless performance, suitable for various stage environments. This manual provides essential information for the setup, operation, maintenance, and troubleshooting of your P3RA bodypack receiver.

PRODUCT OVERVIEW





Figure 1: Front view of the P3RA receiver, displaying the LCD screen with channel and signal strength indicators. The antenna is visible at the top left, and the volume knob is at the top right.





Figure 2: Rear view of the P3RA receiver with the battery compartment open, revealing two AA batteries. Control buttons for 'exit', 'enter', 'sync', and 'scan' are visible above the battery compartment.





Figure 3: Side profile of the P3RA receiver, showing its compact design and the durable metal belt clip for secure attachment.



Figure 4: Top view of the P3RA receiver, featuring the 3.5mm headphone output jack, the main volume control knob, and LED indicators for battery status and wireless signal.



Figure 5: The P3RA receiver connected to a pair of in-ear monitors, demonstrating a typical usage scenario for personal monitoring.

SETUP

1. Battery Installation

The P3RA operates on two standard AA batteries, providing up to 6 hours of continuous use. For extended runtime and in-unit charging, the optional Shure SB900 lithium-ion rechargeable battery (sold separately) can be used.

1. Open the battery compartment cover on the rear of the P3RA unit (refer to Figure 2).
2. Insert two AA batteries, ensuring correct polarity (+/-) as indicated inside the compartment.
3. Close the battery compartment cover securely.

2. Connecting In-Ear Monitors

Connect your in-ear monitors (IEMs) or headphones to the 3.5mm (1/8-inch) headphone output jack located on the top of the P3RA unit (refer to Figure 4).

3. Powering On

To power on the P3RA, rotate the volume knob clockwise until the display illuminates. To power off, rotate the volume knob counter-clockwise until the display turns off.

OPERATING INSTRUCTIONS

1. Scanning for Frequencies

The P3RA features a scan function to automatically find the clearest available frequency within its wide tuning bandwidth (G20 Band: 488-512 MHz).

1. Press the **Scan** button (located below the display, refer to Figure 2).
2. The receiver will scan for an open frequency and display it.
3. Press **Enter** to confirm and set the frequency.

2. Syncing with Transmitter

To synchronize the P3RA with your PSM300 transmitter:

1. Ensure both the P3RA and the PSM300 transmitter are powered on.
2. Align the IR windows of the P3RA and the transmitter.
3. Press the **Sync** button on the P3RA (refer to Figure 2). The units will exchange frequency information.

3. Adjusting Volume and Mix Mode

The P3RA allows for personalized audio mixes:

- **Volume Control:** Use the large rotary knob on the top of the unit to adjust the overall headphone volume (refer to Figure 4).
- **MixMode Technology:** This feature allows you to create a personal mix from two channels of audio. Access this through the LCD menu.
- **Stereo Mode:** Alternatively, operate in standard stereo mode for a traditional left/right audio experience.

4. EQ and Volume Limiting

Further customize your sound via the high-contrast LCD menu:

- **Equalization (EQ):** Adjust audio frequencies to suit your preference or the acoustic environment.
- **Volume Limiting:** Set a maximum volume level to protect your hearing.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Avoid using harsh chemicals or abrasive materials.
- **Battery Care:** Remove AA batteries if the unit will not be used for an extended period to prevent leakage. If using

the SB900 rechargeable battery, follow its specific charging and storage guidelines.

- **Storage:** Store the P3RA in a cool, dry place away from direct sunlight and extreme temperatures. The included zipper bag can be used for protection during transport and storage.
- **Physical Protection:** The P3RA features a compact and rugged aluminum body. While durable, avoid dropping the unit or subjecting it to severe impacts.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No audio from receiver	◦ Receiver not powered on. ◦ Low or dead batteries. ◦ Headphones not connected or faulty. ◦ Volume too low. ◦ Receiver not synced with transmitter. ◦ Transmitter not sending audio.	◦ Turn on the receiver. ◦ Replace batteries or recharge SB900. ◦ Check headphone connection and test with another device. ◦ Increase volume using the knob. ◦ Perform a sync operation with the transmitter. ◦ Verify transmitter is powered on and receiving audio input.
Intermittent audio or static	◦ Interference on current frequency. ◦ Receiver too far from transmitter. ◦ Obstructions between receiver and transmitter.	◦ Perform a frequency scan to find a clear channel. ◦ Move closer to the transmitter. ◦ Ensure clear line-of-sight between units.
Receiver won't turn back on immediately after turning off	◦ Internal power management system.	◦ This behavior may occur due to internal power cycling. Wait approximately 5 minutes before attempting to power on again. If the issue persists, contact Shure support.

SPECIFICATIONS

Feature	Detail
Model Number	P3RA--G20
Frequency Band	G20 Band (488-512 MHz)
Audio Quality	24-bit digital audio

Feature	Detail
Power Source	2 AA batteries (included) or optional Shure SB900 rechargeable battery (sold separately)
Battery Life (AA)	Up to 6 hours continuous use
Housing Material	Aluminum
Color	Black
Item Weight	6.7 ounces
Product Dimensions	11 x 5.3 x 3.3 inches
Display	High contrast LCD

WARRANTY AND SUPPORT

For detailed warranty information, please refer to the official Shure Warranty document. A digital copy of the user manual and warranty can be found via the links below:

- [User Manual \(PDF\)](#)
- [Warranty \(PDF\)](#)

For technical support, product inquiries, or service, please visit the official Shure website or contact their customer service department. Always provide your product model number (P3RA--G20) and serial number when seeking support.

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.

Name

Anonymous

Email

you@example.com

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.

Submit question