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Shure SBRC

Shure SBRC Rack Charger User Manual

Model: SBRC

Introduction

This manual provides comprehensive instructions for the safe and efficient operation of the Shure SBRC Rack Charger. The SBRC is designed to charge up to eight Shure AXT910, AXT920, and SB900A rechargeable Lithium-ion batteries simultaneously. Its rack-mountable design and intelligent charging features make it an essential tool for professional audio environments.

Please read this manual thoroughly before operating the device to ensure proper usage and to prevent damage to the unit or connected batteries.

Safety Information

- Do not expose the unit to water or excessive humidity.
- Do not attempt to disassemble or modify the unit. Refer all servicing to qualified service personnel.
- Ensure proper ventilation around the unit during operation.
- Use only Shure-approved batteries with this charger.
- Connect the unit to a grounded power outlet.

Product Overview

The Shure SBRC Rack Charger is a 1U rack-mountable unit capable of charging up to eight Shure Lithium-ion batteries. It features interchangeable charging modules, allowing for flexible configurations of AXT910, AXT920, and SB900A batteries. The front panel provides real-time information on battery charge levels, time-to-full, and health indicators.



Figure 1: Front view of the Shure SBRC Rack Charger with various battery modules installed. This image shows the overall layout of the charger, including the display screen on the left and multiple slots for different battery types.



Figure 2: Front view of the Shure SBRC Rack Charger with empty battery slots. This image highlights the modular design of the charger, showing the individual bays where charging modules for AXT910, AXT920, and SB900A batteries can be inserted.

Setup

Unpacking and Inspection

1. Carefully remove the SBRC Rack Charger from its packaging.
2. Inspect the unit for any signs of physical damage. If damage is found, contact your Shure dealer immediately.
3. Verify that all components listed in the packing list are present.

Rack Mounting

The SBRC is designed for standard 19-inch equipment racks. Secure the unit using appropriate rack screws (not included) through the mounting ears on both sides of the charger.

Power Connection

1. Connect the supplied AC power cable to the power input on the rear panel of the SBRC.
2. Plug the other end of the power cable into a grounded electrical outlet (100-240 VAC, 50-60Hz).
3. The unit will power on automatically.

Network Connection (Optional)

For remote monitoring via Shure Wireless Workbench or ShurePlus Channels software, connect an Ethernet cable from the SBRC's network port to your network switch or router.

Operating Instructions

Inserting Batteries

1. Ensure the correct charging module is installed for the battery type you wish to charge (AXT910, AXT920, or SB900A).
2. Gently slide the battery into the designated slot until it clicks into place. The charging indicator LED for that slot will illuminate.

Monitoring Charge Status

The front panel display provides detailed information for each battery:

- **Charge Level:** Displays the current charge percentage.
- **Time-to-Full:** Estimates the remaining time until the battery is fully charged.
- **Battery Health:** Indicates the battery's overall health, including temperature and cycle count.

Individual LEDs next to each slot also indicate charging status:

- **Solid Green:** Battery fully charged.

- **Flashing Green:** Battery charging.
- **Solid Amber:** Battery error or fault.

Removing Batteries

To remove a battery, press the release tab (if present) and gently pull the battery out of the slot.

Maintenance

Cleaning

Periodically clean the exterior of the SBRC with a soft, dry cloth. Do not use abrasive cleaners or solvents. Ensure the unit is powered off and unplugged before cleaning.

Battery Care

- Store batteries in a cool, dry place when not in use.
- Avoid fully discharging batteries frequently to prolong their lifespan.
- If a battery shows signs of damage or excessive heat, discontinue use and dispose of it properly.

Troubleshooting

Problem	Possible Cause	Solution
Unit does not power on.	No power connection.	Check power cable connection and wall outlet.
Battery not charging.	Battery not inserted correctly; Faulty battery; Incorrect module.	Re-insert battery; Try a different battery; Ensure correct charging module is used.
Amber LED indicator.	Battery error or fault.	Remove and re-insert battery. If error persists, the battery may be faulty.
Remote monitoring not working.	Network connection issue; Software configuration.	Check Ethernet cable; Verify network settings on SBRC and software.

Specifications

Feature	Detail
Model	SBRC
Compatible Batteries	Shure AXT910, AXT920, SB900A Lithium-ion
Charging Capacity	Up to 8 batteries simultaneously
Power Requirement	100-240 VAC, 50-60Hz
Dimensions (L x W x H)	28 x 17.5 x 3.5 inches

Feature	Detail
Weight	2 pounds
Connectivity	Ethernet for network monitoring

Note: Specifications are subject to change without notice. For the most current specifications, please refer to the official Shure website.

Warranty and Support

Warranty Information

The Shure SBRC Rack Charger is backed by Shure's 2-year limited warranty. This warranty covers defects in materials and workmanship under normal use. For full warranty terms and conditions, please visit the official Shure website or contact Shure customer support.

Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact Shure customer support:

- **Website:** www.shure.com/support
- **Phone:** Refer to Shure's website for regional contact numbers.

When contacting support, please have your product model (SBRC) and serial number ready.

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