SBC210

Portable Charger

Manual for the Shure SBC210 portable charger, used to charge SB900-series batteries. Includes how-to information, LED descriptions, and specifications.

Version: 3.1 (2025-H)

Table of Contents

SBC210
Portable Charger

SBC210 Portable Battery Charger

The SBC210 charging station charges SB900-series batteries in a convenient and compact desktop unit.

Charger Overview

① Charger Housing

② 2-Bay Charging Module

③ Installation Screws (4 pieces)

④ Power LED

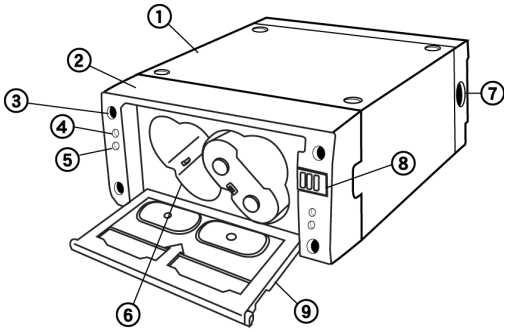
⑤ Charge Status LED

⑥ Charging Bay

⑦ DC Power Supply Input

⑧ Lock Switch

⑨ Bay Door



Features

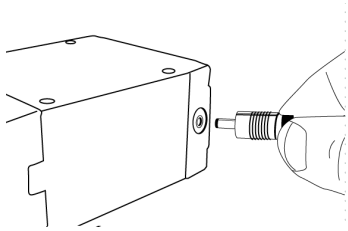
- Charges SB900-series batteries
- Charges batteries to 50% capacity within 1 hour
- Charges batteries to full capacity in 3 hours
- Modules can be re-used in AXT900 rackmount charging station
- Power supply included

Included Components

2-bay charging module	SBC-AX
Power Supply	PS51
Mounting Screws for Charger Modules (8)	30B13476

Connecting DC Power

1. Connect the cable from the Shure PS51 power supply to the DC power supply input.
2. The white LED will illuminate when the PS51 is connected to an AC power source.



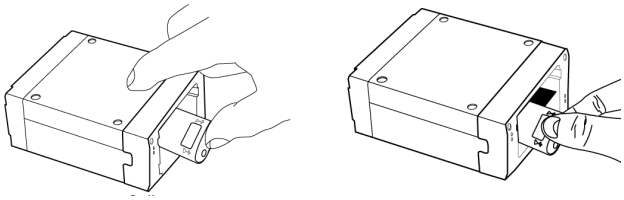
Inserting and Removing Shure Rechargeable Batteries

To Insert:

1. Align with the key-way and press the battery into the charger bay.
2. Close charging bay door and slide tab to the left to lock in place.

To Remove:

Slide tab to the right and open battery door. Remove battery from charger.



Charging Batteries

Slide the battery into the charging bay. Charging begins as soon as the charger door is closed and locked into place.

Charge Status LED

Each charger bay has an LED to indicate the status of the battery.

Red	battery charging
Green	charging complete
Off	battery inserted incorrectly or battery depleted below 3.0 volts.
Amber	charging stopped at reduced capacity (not less than 75% capacity) because the battery is too warm. To reach 100% capacity, a battery must be cooled to below 45°C.

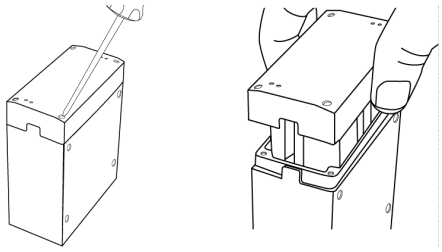
Recovering a Battery from Deep Discharge

A deeply discharged battery is one that has been discharged to less than 3.0 volts. When the charger detects a deeply discharged battery, it automatically enters recovery mode, which charges the battery using a reduced current. A red LED indicates recovery mode. If recovery is successful, the charger exits recovery mode and charges the battery to capacity. If the battery cannot be recovered in less than 30 minutes, the red LED turns off and charging stops.

Changing the Charger Module

Caution! Remove DC power and remove batteries when installing the charging module.

1. Remove the 4 mounting screws that secure the charging module.
2. Pull the charger module to remove it from the housing.
3. Insert the replacement charger module into the housing (note the orientation of the guide rails).
4. Insert the mounting screws (4 pieces) and tighten them to secure the charging module.



Troubleshooting

Power LED off.	DC power fault - check connection to power supply. Ensure PS51 power supply is connected to an AC power source.
Charge status LED does not illuminate.	Battery is not fully inserted.
Battery does not charge	Battery discharged below 3.0 volts. Try another battery.

Specifications

Battery Type

Up to 2 rechargeable Li-Ion batteries (SB900-series)

Charge Time
50%=1 hour; 100%=3 hours

Operating Temperature Range
-18°C (0°F) to +40°C (104°F)

Battery Charging Temperature Range
0°C (32°F) to 60°C (140°F)

Storage Temperature Range
-29°C (-20°F) to 74°C (165°F), without batteries

Dimensions
44 x 86 x 116 mm (1.8 x 3.4 x 4.5 in.), H x W x D

Weight
425 g (15.0 oz.), without batteries or PS51 External Power Supply

Housing
Cast and extruded aluminum

Power Requirements
5.5 V DC, 2.72 A

Certifications

Conforms to electrical safety requirements based on IEC 60065.

c UL us listed by Underwriters Laboratories, Inc.

Authorized under the verification provision of FCC Part 15B.

Meets essential requirements of the following European Directives:

- Low Voltage Directive 2014/35/EU
- WEEE Directive 2002/96/EC, as amended by 2008/34/EC
- RoHS Directive 2011/65/EU

  Note: *Please follow your regional recycling scheme for batteries and electronic waste*

- Battery Directive 2006/66/EC

  Please follow your regional recycling scheme for battery disposal.

- Conforms to European Regulation (EC) No. 1275/2008, as amended.

The CE Declaration of Conformity can be obtained from Shure Incorporated or any of its European representatives. For contact information please visit www.shure.com

The CE Declaration of Conformity can be obtained from: www.shure.com/europe/compliance

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