Shure SBC203-US

Shure SBC203-US Dual Docking Station Instruction Manual

Model: SBC203-US

1. Introduction

The Shure SBC203-US Dual Docking Station is designed for charging Shure SB903 Lithium-Ion batteries, either independently or while installed in SLX-D handheld or bodypack transmitters. This station provides a convenient and efficient solution for managing rechargeable power for your Shure SLX-D Digital Wireless systems.

2. Product Overview

The SBC203-US Dual Docking Station offers reliable charging for your Shure SLX-D wireless components. It features two charging bays that can accommodate any combination of SB903 Lithium-Ion batteries, SLX-D handheld transmitters, or SLX-D bodypack transmitters.

Key Features:

- Charges SB903 Lithium-Ion Batteries for up to 8 hours of use in SLX-D transmitters.
- Supports in-transmitter docking and charging.
- Manages charging for any pair of SLX-D handheld transmitters, SLX-D bodypack transmitters, or SB903 batteries.
- Achieves 50% charge with 1 hour 15 minutes of charging.
- Reaches full charge in 2.5 hours.
- Includes an external power supply.

Product Components:

Figure 1: Shure SBC203-US Dual Docking Station with two SB903 batteries inserted.

This image shows the Shure SBC203-US Dual Docking Station, a compact black unit with two top-loading bays. Each bay contains a white Shure SB903 Lithium-Ion battery, indicating the station's capability to charge individual batteries.

Figure 2: Shure SBC203-US Dual Docking Station with two SLX-D bodypack transmitters.

Here, the Shure SBC203-US Dual Docking Station is shown charging two black SLX-D bodypack transmitters. The transmitters are docked vertically, with their antennas extending upwards, demonstrating the station's ability to charge transmitters directly.

Figure 3: Shure SBC203-US Dual Docking Station with one SLX-D handheld and one bodypack transmitter.

This image illustrates the versatility of the Shure SBC203-US Dual Docking Station, showing one bay occupied by a black SLX-D handheld microphone and the other by a black SLX-D bodypack transmitter, both actively charging.

Figure 4: Shure SBC203-US Dual Docking Station with two SLX-D handheld transmitters.

The Shure SBC203-US Dual Docking Station is depicted here with two black SLX-D handheld microphones, each with a silver grille, placed in its charging bays. This setup highlights the station's capacity to charge two handheld transmitters simultaneously.

3. Setup

3.1 Connecting the Power Supply

1. Connect the external power supply to the DC input port on the rear of the SBC203-US docking station.
2. Plug the power supply into an AC power outlet.
3. The charging indicator LEDs on the front of the unit will illuminate briefly, indicating power is supplied.

3.2 Installing Batteries in Transmitters

For SLX-D handheld and bodypack transmitters, ensure the SB903 Lithium-Ion batteries are correctly installed before placing them in the docking station. Refer to your transmitter's manual for specific battery installation instructions.
Note: The SBC203-US is designed for Shure SB903 Lithium-Ion batteries. Using non-Shure rechargeable batteries may not be compatible or may cause issues.

3.3 Initial Frequency Setup (for SLX-D Receivers)

Before using your SLX-D system, it is crucial to set up the frequencies. This process ensures optimal performance and avoids interference.

1. Turn on the SLX-D receiver. Ensure all transmitters are OFF.
2. On the receiver, use the control knob to navigate to**Frequency Setup > Guided Frequency Setup > Initialize My System**.
3. Follow the on-screen prompts to scan for available frequencies.
4. Once the scan is complete, the receiver will assign a clear frequency.

Your browser does not support the video tag.
Video 1: Shure SLX-D How To: Set Up and Use.

This video provides a step-by-step guide on how to set up and use the Shure SLX-D wireless system, including initial hardware connections, frequency scanning, and syncing transmitters with receivers. It demonstrates the user interface and physical interactions required for a successful setup.

3.4 Adding Additional Receivers

If you are expanding your SLX-D system with additional receivers, they can be easily integrated.

1. Connect the new receiver to the existing system using an Ethernet cable (if applicable for network control).
2. Turn on the new receiver. Ensure all transmitters are OFF.
3. On the primary receiver, navigate to**Frequency Setup > Guided Frequency Setup > Add Receiver to My System**.
4. Follow the on-screen prompts to integrate the new receiver into the system's frequency group.

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Video 2: Shure SLX-D How To: Add a Receiver.

This video demonstrates the process of adding an additional receiver to an existing Shure SLX-D wireless system. It covers connecting the receiver and using the guided frequency setup to ensure all receivers operate on compatible frequencies within the system.

4. Operation

4.1 Charging Transmitters and Batteries

1. Ensure the SBC203-US docking station is powered on.

2. Insert an SB903 Lithium-Ion battery directly into a charging bay, or place an SLX-D handheld or bodypack transmitter with an installed SB903 battery into a bay.
3. The charging indicator LED for that bay will blink red while charging.
4. The LED will turn solid green when the battery or transmitter is fully charged.
5. Charging automatically stops when full. It is recommended to remove fully charged batteries/transmitters from the dock to prevent slow discharge over time.

4.2 Syncing Transmitters with Receivers

After initial setup or if a transmitter needs to be re-synced:

1. Turn on the transmitter you wish to sync.
2. On the receiver, press the **Sync** button.
3. Align the IR ports of the transmitter and receiver (usually indicated by an IR window on both devices).
4. Hold them together until the receiver confirms successful synchronization.

4.3 Locking and Unlocking Controls

To prevent accidental changes during operation, you can lock the controls on both the receiver and transmitters.

- **Receiver Lock:** Navigate to **Advanced Settings > Device Lock** on the receiver. You can choose to lock the menu only or both the menu and power button.
- **Transmitter Lock:** On the transmitter, press **Menu** to navigate to the **Auto Lock** screen. Press **Enter**, then **Menu** to toggle the setting to **On**. Press **Enter** to save.
- **Unlocking:** Follow the same steps and select **Unlock** for the receiver or toggle **Auto Lock** to **Off** for the transmitter.

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Video 3: Shure SLX-D How To: Lock and Unlock.

This video demonstrates how to lock and unlock the controls on both the Shure SLX-D receiver and its associated handheld and bodypack transmitters. It shows the menu navigation and button presses required to activate or deactivate the lock features, preventing accidental setting changes during use.

4.4 Performing a Soundcheck

After setting up and syncing, perform a soundcheck to ensure optimal audio levels.

1. On the receiver, navigate to **Gain**.
2. Speak or sing into the synced microphone at typical performance levels.
3. Adjust the gain up or down using the control knob to keep the audio meter in the optimal range (usually indicated by green segments).

5. Maintenance

5.1 Cleaning

- Wipe the docking station and transmitters with a soft, dry cloth.
- Avoid using abrasive cleaners or solvents.
- Keep the charging contacts clean and free of debris.

5.2 Battery Care

- While the SBC203-US automatically stops charging when batteries are full, it is recommended to remove fully charged batteries or transmitters from the dock if they will not be used immediately. This helps prevent a slow

discharge over extended periods.

- Store SB903 batteries in a cool, dry place when not in use.

6. Troubleshooting

6.1 Charging Issues

- **No Power:** Ensure the power supply is securely connected to the docking station and a working AC outlet. Check the power supply cable for damage.
- **Battery Not Charging:** Verify that the SB903 battery or transmitter is correctly seated in the charging bay. Ensure the charging contacts on both the dock and the battery/transmitter are clean.
- **Non-Shure Batteries:** The SBC203-US is designed specifically for Shure SB903 Lithium-Ion batteries. Other battery types may not charge or function correctly with this unit.

6.2 Interference or Signal Loss

- Perform a new frequency scan on your SLX-D receiver to find a clear channel.
- Ensure transmitters are not too far from the receiver and there are no major obstructions.
- Check that all synced transmitters are turned OFF when performing a new frequency scan on the receiver to avoid interference during the scan process.

For further assistance, please refer to the complete Shure SLX-D Digital Wireless System user guide or contact Shure technical support.

7. Specifications

Feature	Detail
Model Number	SBC203-US
Compatibility	Shure SB903 Lithium-Ion Batteries, SLX-D Handheld Transmitters, SLX-D Bodypack Transmitters
Charging Bays	2
Charge Time (50%)	1 hour 15 minutes
Charge Time (Full)	2.5 hours
Power Source	External Power Supply
Voltage	28 Volts
Wattage	15 watts
Item Weight	16 ounces (1 pound)
Product Dimensions (L x W x H)	2.61" x 3.38" x 6.13"
Color	Black

8. Warranty and Support

Shure products are engineered for performance and durability. For detailed warranty information specific to your region and product, please visit the official Shure website or contact your local Shure authorized dealer.
For technical support, troubleshooting assistance, or service inquiries, please contact Shure Customer Service. Have your product model number (SBC203-US) and serial number ready for faster service.