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› PHONSUN Replacement Type-C USB Charging Port for JBL Charge 4 and Xtreme 3 Speakers User Manual

PHONSUN JBL Charge 4, JBL Xtreme 3

PHONSUN Replacement Type-C USB Charging Port User Manual

For JBL Charge 4 and JBL Xtreme 3 Bluetooth Speakers

1. INTRODUCTION

This manual provides essential information and instructions for the installation and maintenance of the PHONSUN Replacement Type-C USB Charging Port. This component is designed to restore charging functionality to compatible JBL Bluetooth speakers experiencing issues such as loose connections, corrosion, or complete charging failure. Please read all instructions carefully before proceeding with installation.

2. PRODUCT FEATURES

- **Precision-Engineered Compatibility:** Specifically designed for JBL Charge 4 and JBL Xtreme 3 Bluetooth speakers, ensuring a precise fit and stable power connection.
- **Resolves Common Charging Issues:** Effectively fixes problems like loose charging ports, broken internal pins, or speakers that fail to power on or charge due to a damaged connector.
- **Durable Construction:** Manufactured with high-conductivity metal pins and heat-resistant materials for longevity and reliability.
- **Value 2-Pack:** Includes two charging port connectors, providing a spare for future repairs or as a backup.

3. COMPATIBILITY

This replacement Type-C USB charging port is compatible with the following JBL Bluetooth speaker models:

- JBL Charge 4
- JBL Xtreme 3

Please verify your speaker model before attempting installation to ensure proper fit and function.



Figure 3.1: Compatible JBL Bluetooth Speaker Models

4. INSTALLATION (SOLDERING REQUIRED)

Important: Installation of this replacement part requires advanced soldering skills and specialized tools. It is a direct internal component replacement, not a plug-and-play adapter. If you are not proficient in electronics repair and soldering, professional installation is highly recommended to prevent damage to your speaker or the replacement part.



Figure 4.1: Soldering is Required for Installation

4.1 General Installation Steps (Overview)

The following steps provide a general overview. Specific disassembly and reassembly procedures for your JBL speaker model are beyond the scope of this manual. Please consult a service manual or reputable repair guide for your specific speaker model.

1. **Preparation:** Ensure the speaker is powered off and disconnected from all power sources. Gather necessary tools, including a soldering iron, solder, desoldering wick/pump, small screwdrivers, and prying tools.
2. **Disassembly:** Carefully disassemble your JBL speaker to gain access to the main circuit board where the Type-C charging port is located. Document each step with photos to aid reassembly.
3. **Desoldering the Old Port:** Using appropriate desoldering techniques, carefully remove the damaged Type-C charging port from the circuit board. Be mindful of surrounding components and traces.
4. **Cleaning:** Clean the solder pads on the circuit board thoroughly to remove any old solder residue.
5. **Soldering the New Port:** Align the new PHONSUN Type-C charging port with the cleaned solder pads. Carefully solder each pin, ensuring strong, clean connections without bridging any pads.
6. **Inspection:** Visually inspect all solder joints for quality. Use a multimeter to check for continuity and shorts if possible.
7. **Reassembly:** Carefully reassemble the speaker, ensuring all connectors are properly seated and screws are tightened.

appropriately.

8. **Testing:** After reassembly, connect a compatible Type-C charging cable and power adapter to test the charging functionality.



Figure 4.2: PHONSUN Replacement Type-C USB Charging Port

5. OPERATING INSTRUCTIONS

Once the PHONSUN replacement charging port is successfully installed, your JBL speaker should resume normal charging operations. Use a compatible USB Type-C cable and a power adapter that meets the speaker's original specifications (e.g., 5V DC, 3.6A, 18W) for optimal charging performance.

- Connect the USB Type-C cable to the speaker's charging port.
- Connect the other end of the cable to a suitable power adapter.
- The speaker's charging indicator should illuminate, signifying that charging is in progress.

6. MAINTENANCE

To ensure the longevity and reliable performance of your new charging port:

- **Gentle Handling:** Always insert and remove the charging cable gently. Avoid excessive force or wiggling, which can stress the port and internal connections.
- **Keep Clean:** Periodically inspect the port for dust, debris, or moisture. Use a dry, soft brush or compressed air to clean the port if necessary. Avoid using liquids or sharp objects.
- **Proper Storage:** When not in use, store your speaker in a clean, dry environment to prevent dust and moisture accumulation in the port.

7. TROUBLESHOOTING

If you encounter charging issues after installing the replacement port, consider the following:



Figure 7.1: Common Charging Problems Addressed by Replacement Port

- **No Charging Indication:**

- Ensure the charging cable and power adapter are fully functional and compatible.
- Verify that the cable is securely inserted into both the speaker and the power source.
- Check the power outlet.

- **Loose Connection:**

- If the cable feels loose or charging is intermittent, re-inspect your soldering work for any cold joints or insufficient solder.
- Ensure the internal housing of the port is properly secured within the speaker.

- **Speaker Still Not Powering On:**

- The issue might not be related to the charging port. Check the speaker's battery, power button, or other internal components.
- Ensure all internal ribbon cables and connectors were reconnected properly during reassembly.

- **Overheating During Charging:**

- Immediately disconnect power. This could indicate a short circuit. Re-inspect soldering for any bridges between pins.

If problems persist, it is advisable to seek assistance from a qualified electronics repair technician.

8. SPECIFICATIONS

Feature	Detail
Brand	PHONSUN
Connector Type	USB Type C
Compatible Devices	JBL Charge 4, JBL Xtreme 3 Bluetooth Speakers
Special Features	Heat Resistant, High Conductivity, Durable
Material	Metal, Plastic
Number of Items	2 (per pack)
Output Voltage (Typical)	5 Volts (DC)

Output Current (Typical)	3.6 Amps
Wattage (Typical)	18 watts
Item Weight	0.01 Kilograms
Mounting Type	Plug Mount (Soldered)

9. WARRANTY INFORMATION

Specific warranty details for this PHONSUN product may vary. Please refer to the product packaging or contact PHONSUN customer support for the most accurate and up-to-date warranty information.

10. SUPPORT

For technical assistance, troubleshooting, or inquiries regarding the PHONSUN Replacement Type-C USB Charging Port, please contact PHONSUN customer support through the retailer's platform or the official PHONSUN website, if available.

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