

SHIMANO SM-BCR2

SHIMANO Di2 Internal Battery Charger Instruction Manual

Model: SM-BCR2

INTRODUCTION

The SHIMANO Di2 Internal Battery Charger (SM-BCR2) is designed to efficiently charge your SHIMANO Di2 electronic shifting system's internal battery. This charger features indicator lights to clearly show charging status and a quick 90-minute full charge time. Regular charging, typically every couple of months, ensures optimal performance of your Di2 system.

PACKAGE CONTENTS

Verify that all items are present in the package:

- SHIMANO Di2 Internal Battery Charger Unit (SM-BCR2)
- Integrated USB Cable



Image: The SHIMANO Di2 Internal Battery Charger unit with its integrated USB cable.

SETUP AND CONNECTION

Follow these steps to connect and begin charging your Di2 system:

1. **Connect the Charger to a Power Source:** Plug the USB-A end of the charger's integrated cable into a compatible USB power adapter (not included) or a computer's USB port.
2. **Connect to your Di2 System:** Locate the charging port on your bicycle's Di2 system, typically near the handlebars or junction box. Carefully insert the small, proprietary charging plug from the charger unit into this port. Ensure a secure connection.
3. **Verify Charging Status:** The charger unit features indicator lights. A lit indicator light confirms that charging is in progress.

USB Micro
charger

90min 0-full
charge time



Easy
indicator
lights

Image: A diagram illustrating the USB Micro charger connection, the 90-minute full charge time, and the location of the indicator lights on the charger unit.

OPERATING INSTRUCTIONS

Charging Process

- Once connected, the charger will automatically begin charging the Di2 internal battery.
- A full charge typically takes approximately 90 minutes.
- The indicator lights on the charger unit will provide feedback on the charging status. Refer to the indicator light section for details.

Indicator Lights

The charger unit features two indicator lights:

- **Charging Indicator:** This light illuminates when the battery is actively charging.
- **Full Charge Indicator:** This light illuminates when the battery has reached a full charge.
- **Error/Problem Indicator:** If there is a problem with charging or the device, an indicator light may turn red. Consult the troubleshooting section if this occurs.



Image: A close-up view of the charger unit, highlighting the charging and full charge indicator lights.

Firmware Updates and Programming

This charger (SM-BCR2) is also essential for updating firmware and programming your Di2 system when connected to a computer with the appropriate SHIMANO software.

MAINTENANCE

- Keep the charger unit and cables clean and free from dirt or debris.
- Store the charger in a dry environment, away from extreme temperatures.
- Avoid bending or kinking the cables excessively to prevent internal damage.
- Ensure the charging port on your bicycle is clean before connecting the charger.

TROUBLESHOOTING

- **Charger Not Indicating Power:** Ensure the USB-A plug is fully inserted into a working USB power source. Try a different USB port or power adapter.
- **Battery Not Charging (Red Indicator Light):** Check that the small charging plug is securely connected to the Di2 system's charging port. Inspect the cable for any visible damage. If the issue persists, consult a qualified bicycle mechanic.
- **Slow Charging:** Ensure you are using a compatible USB power source that provides sufficient power (e.g., 5V, 1A as per specifications).

SPECIFICATIONS

Feature	Detail
Brand	SHIMANO
Model Number	SM-BCR2 (SHI0647)

Compatibility	SHIMANO Di2 Internal Battery
Recommended Use	Road Cycling
Input	5V, 1A
Output	8.4V, 0.4A
Full Charge Time	Approximately 90 minutes
Item Weight	0.35 Pounds
Item Dimensions (LxWxH)	6 x 4 x 3 inches

WARRANTY AND SUPPORT

This SHIMANO product is covered by a manufacturer's warranty of 2 years from the date of purchase. For warranty claims or technical support, please contact your authorized SHIMANO dealer or visit the official SHIMANO website for further assistance.