

Carbest 81949

# Carbest Remote Switch for Inverters User Manual

Model: 81949

## 1. INTRODUCTION

Thank you for choosing the Carbest Remote Switch for Inverters. This device provides convenient remote control for compatible Carbest power inverters, allowing you to switch them on and off from a distance. Its robust design and generous cable length make it ideal for various applications, including recreational vehicles and mobile setups.

This manual provides essential information for the safe and efficient operation of your remote switch. Please read it thoroughly before installation and use, and retain it for future reference.

## 2. SAFETY INSTRUCTIONS

- **Read all instructions:** Before operating the remote switch, ensure you have read and understood all instructions in this manual.
- **Compatibility:** This remote switch is designed exclusively for use with specified Carbest inverters (models 822802, 822803, 82281, 822812, 822811). Do not attempt to use it with other inverter brands or models.
- **Electrical Safety:** Always ensure the inverter is properly installed and grounded according to its own manual and local electrical codes. Disconnect power to the inverter before connecting or disconnecting the remote switch.
- **Cable Management:** Route the 4.5m cable carefully to avoid tripping hazards, pinching, or damage from sharp objects or excessive heat. Do not modify the cable or connector.
- **Environmental Conditions:** Do not expose the remote switch to extreme temperatures, direct sunlight for prolonged periods, moisture, or corrosive environments. It is designed for indoor or protected use.
- **Children and Pets:** Keep the device out of reach of children and pets to prevent accidental operation or damage.
- **Maintenance:** Do not attempt to open or repair the remote switch. Refer all servicing to qualified personnel.

### 3. PACKAGE CONTENTS

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Please check the package for the following items:

- 1 x Carbest Remote Switch (Model 81949)
- 1 x Integrated 4.5m Connection Cable

### 4. SETUP AND INSTALLATION

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*Figure 1: Carbest Remote Switch with its 4.5m coiled cable and multi-pin connector.*

1. **Prepare the Inverter:** Ensure your Carbest inverter is turned off and disconnected from any power source (e.g., battery, AC input) before proceeding with the connection. Refer to your inverter's manual for specific safety procedures.
2. **Locate Remote Port:** Identify the dedicated remote control port on your compatible Carbest inverter. This port is typically a multi-pin circular connector.
3. **Connect the Remote Switch:** Carefully align the multi-pin connector of the remote switch cable with the remote port on the inverter. Gently push the connector in until it clicks securely into place. Do not force the connection.
4. **Route the Cable:** Route the 4.5m cable to your desired remote location, ensuring it is not kinked, pinched, or exposed to excessive heat or moisture. Secure the cable if necessary to prevent accidental disconnections or damage.
5. **Power On Inverter:** Once the remote switch is securely connected, you may reconnect your inverter to its power source and turn it on. The remote switch is now ready for operation.

### 5. OPERATING INSTRUCTIONS

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The Carbest Remote Switch features a simple interface for controlling your inverter:

- **ON/OFF Button:** The large red button labeled "ON/OFF" is the primary control. Press this button once to toggle the inverter's power state.
- **POWER Indicator (Green LED):** This green LED illuminates when the inverter is successfully turned on

and operating normally.

- **FAULT Indicator (Red LED):** This red LED illuminates to indicate a fault condition detected by the inverter. Refer to your inverter's user manual for specific fault codes or troubleshooting steps when this light is active.

**To Turn On the Inverter:** Ensure the inverter is connected to a power source. Press the red "ON/OFF" button. The green "POWER" LED on the remote switch should illuminate, indicating the inverter is active.

**To Turn Off the Inverter:** Press the red "ON/OFF" button again. The green "POWER" LED should turn off, indicating the inverter is no longer supplying power.

## 6. MAINTENANCE

The Carbest Remote Switch requires minimal maintenance to ensure long-term performance:

- **Cleaning:** Wipe the surface of the remote switch with a soft, dry cloth. Do not use abrasive cleaners, solvents, or excessive moisture, as these can damage the casing or internal components.
- **Cable Inspection:** Periodically inspect the 4.5m cable for any signs of wear, cuts, kinks, or damage to the insulation or connector. If any damage is observed, discontinue use immediately and contact Carbest support.
- **Storage:** When not in use for extended periods, store the remote switch in a clean, dry place away from direct sunlight and extreme temperatures.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Remote switch does not turn inverter on/off.	<ul style="list-style-type: none"><li>◦ Loose or incorrect connection to inverter.</li><li>◦ Inverter not powered or in a fault state.</li><li>◦ Remote switch or cable damage.</li></ul>	<ul style="list-style-type: none"><li>◦ Ensure the remote switch connector is fully seated in the inverter's remote port.</li><li>◦ Check the inverter's power supply and its own status indicators. Resolve any inverter-specific issues first.</li><li>◦ Inspect the cable for visible damage. If damaged, discontinue use.</li></ul>
Red "FAULT" LED is illuminated.	<ul style="list-style-type: none"><li>◦ Inverter has detected an internal or external fault (e.g., overload, over-temperature, low battery).</li></ul>	<ul style="list-style-type: none"><li>◦ This indicates an issue with the inverter itself, not the remote switch. Refer to your Carbest inverter's user manual for detailed troubleshooting steps related to fault conditions.</li></ul>
Green "POWER" LED does not illuminate when inverter is on.	<ul style="list-style-type: none"><li>◦ Loose connection.</li><li>◦ Faulty LED or internal component.</li></ul>	<ul style="list-style-type: none"><li>◦ Check the connection. If the inverter is operating correctly but the LED is off, the remote switch may require service.</li></ul>

## 8. SPECIFICATIONS

Feature	Detail
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Feature	Detail
Model Number	81949
Compatibility	Carbest Inverters: 822802, 822803, 82281, 822812, 822811
Cable Length	4.5 meters (approx. 14.76 feet)
Indicators	Green POWER LED, Red FAULT LED
Controls	ON/OFF Push Button
Manufacturer	CARBEST
Country of Origin	Spain

## 9. WARRANTY AND SUPPORT

Carbest products are manufactured to high quality standards. For information regarding warranty coverage, technical support, or service, please contact your authorized Carbest dealer or visit the official Carbest website. Please have your product model number (81949) and purchase information ready when contacting support.

As per the product description, Carbest is a partner of Reimo. For further assistance, you may also refer to resources provided by Reimo.

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