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## COBRA CPIALCDG1

# Cobra CPIALCDG1 Remote Controller User Manual

Model: CPIALCDG1

## INTRODUCTION

The Cobra CPIALCDG1 Remote Controller is designed to enhance the functionality and convenience of your compatible Cobra Power Inverter. This unit allows for remote power control (On/Off) and provides two USB ports for charging devices. It features a 7-color LED screen for monitoring inverter status and offers multiple mounting options for flexible installation within your vehicle.

## PACKAGE CONTENTS

Verify that all items are present in the package:

- Cobra CPIALCDG1 Remote Controller
- Connection Cable
- Mounting Screws
- Mounting Bracket (for clip mount)
- Quick Start Guide



Image: The Cobra CPIALCDG1 Remote Controller, its connection cable, mounting screws, and a mounting bracket are shown on a dark wooden surface.

## SETUP AND INSTALLATION

The CPIALCDG1 Remote Controller offers four primary mounting options to suit various vehicle interiors and user preferences:

1. **Flush Mounting:** For a permanent, integrated installation into a dashboard or console.
2. **Keyhole Mount:** Allows for mounting on a wall or flat surface using screws.
3. **Cup Holder Mounting:** Provides convenient placement in a vehicle's cup holder.
4. **Clip Mount:** For easy attachment to a seat back pocket or other suitable location.

## Connecting the Remote Controller

- Identify the "REMOTE" port on your compatible Cobra Power Inverter.
- Connect one end of the provided connection cable to the remote port on the inverter.
- Connect the other end of the cable to the corresponding port on the back of the CPIALCDG1 Remote Controller.
- Ensure all connections are secure before operating the inverter or controller.



Image: A close-up of the rear of the Cobra CPIALCDG1 Remote Controller, highlighting the RJ45-style connection port for the inverter cable.



Image: The Cobra CPIALCDG1 Remote Controller is shown flush-mounted in a vehicle's center console, displaying AC output and DC input, with USB-C and USB-A ports visible.

## OPERATING INSTRUCTIONS

### Power On/Off

Once connected to a compatible Cobra Power Inverter, the remote controller allows you to turn the inverter On or Off from a convenient location within your vehicle. Press the power button on the remote controller to toggle the inverter's power state.

### LED Screen Display

The 7-color LED screen provides real-time information regarding your power inverter's operation:

- **Battery Voltage:** Displays the current DC input voltage from your vehicle's battery.
- **Current Consumption:** Shows the AC output wattage being drawn by connected devices.

### USB Charging Ports

The remote controller is equipped with Fast Charge USB ports (USB-C and USB-A) for charging smartphones and other USB-powered

devices.



Image: A detailed view of the remote controller's front panel, showing the LED display, power button, USB-C port, and USB-A port.

## Compatibility

This remote controller is compatible with the following Cobra Power Inverter models:

- CPI1500W
- CPI2500W
- CPI3000W
- CPI400PSW
- CPI500W



Image: A collection of Cobra Power Inverters (500W, PRO 1500W, PRO 2500W, PRO 3000W, PURE SINE 400W) displayed alongside the remote controller, illustrating compatibility.

Video: This video demonstrates the features and applications of Cobra Power Inverters, including the use of the remote controller for convenient power management and device charging in various settings like vehicles and outdoor activities.

## MAINTENANCE

To ensure optimal performance and longevity of your Cobra CPIALCDG1 Remote Controller:

- Keep the unit clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Regularly check all cable connections to ensure they are secure and free from damage.
- Avoid exposing the controller to extreme temperatures, direct sunlight for prolonged periods, or moisture.

## TROUBLESHOOTING

If you experience issues with your remote controller, consider the following:

- **No Display/No Power:** Ensure the remote cable is securely connected to both the controller and the power inverter. Verify that the power inverter itself is receiving power and is turned on.
- **USB Ports Not Charging:** Check that the inverter is powered on. Ensure the device being charged is compatible with USB charging and that the USB cable is functional.
- **Inverter Not Responding to Remote:** Confirm the remote cable is fully inserted into both units. Refer to your specific Cobra Power Inverter manual for remote control setup details.

Cobra Power Inverters feature **Pentagon Protection™**, which includes safeguards against:

- Thermal Shutdown
- Reverse Polarity
- Over-Voltage
- Low-Voltage & Alarm

These protections are designed to prevent damage to the inverter and connected devices. If an alarm sounds or the inverter shuts down, consult your inverter's manual for specific error codes and resolutions.

## SPECIFICATIONS

Feature	Detail
Model Number	CPIALCDG1
Product Dimensions (L x W x H)	3.35 x 3.35 x 1.46 inches
Item Weight	13.1 ounces
Color	Black
USB Ports	USB-C (Fast Charge), USB-A (Fast Charge)
Display	7-Color LED Screen (Battery Voltage, Current Consumption)
Mounting Options	Flush, Keyhole, Cup Holder, Clip
Manufacturer	Cobra Electronics
Date First Available	February 18, 2022

## WARRANTY INFORMATION

Cobra Electronics products are typically covered by a limited warranty. For specific warranty terms, conditions, and registration information for your CPIALCDG1 Remote Controller, please refer to the warranty card included with your product or visit the official Cobra Electronics website. Keep your proof of purchase for warranty claims.

## CUSTOMER SUPPORT

For technical assistance, troubleshooting beyond this manual, or general inquiries, please contact Cobra Electronics customer support. Contact information can typically be found on the official Cobra Electronics website or in the documentation provided with your product.

**Website:** [www.cobra.com](http://www.cobra.com)