

BESTEK MRI2011KU

BESTEK 200W Power Inverter User Manual

Model: MRI2011KU | Brand: BESTEK

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your BESTEK 200W Power Inverter. Please read it thoroughly before use and retain it for future reference.

The BESTEK 200W Power Inverter converts 12V DC power from your vehicle's cigarette lighter socket into 110V AC power, allowing you to power and charge various electronic devices on the go. It features multiple USB ports for convenient charging of mobile devices.

2. SAFETY INFORMATION

WARNING: Failure to follow these safety instructions may result in fire, electric shock, or injury.

- Do not expose the inverter to water, rain, or snow.
- Do not operate the inverter if it has been dropped or damaged.
- Do not disassemble the inverter. Refer all servicing to qualified service personnel.
- Ensure proper ventilation around the inverter. Do not block ventilation openings.
- Keep out of reach of children.
- Use only in a 12V DC vehicle power outlet. Do not connect to 24V DC systems.
- Avoid overloading the inverter. The total power consumption of connected devices must not exceed 200 Watts.
- Disconnect the inverter from the vehicle's power source when not in use.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- BESTEK 200W Power Inverter Unit
- User Manual (this document)
- Cigarette Lighter Plug (integrated)

4. PRODUCT OVERVIEW

Familiarize yourself with the components of your BESTEK Power Inverter:



Figure 4.1: Front view of the BESTEK 200W Power Inverter, showing the two AC outlets, three standard USB ports, one USB-C port, and the power button. The attached cigarette lighter plug is also visible.

New Upgrade Version

UL94 V-0 Level 750° Retardant PC+ABS Alloy Plastic

Safety Shutter

0~2.4A USB Ports

Type C Port (3A)

AC Power Switch

Cooling Fan

Anti-slip
Rubber Mat

28 Inch
Power Cord

Air Vent

ETL Listed

PC & ABS
Plastic

Anti-slip
Rubber Mat



Figure 4.2: Annotated diagram of the inverter, pointing out key features such as the safety shutters on AC outlets, various USB ports (including Type-C), power switch, cooling fan, anti-slip rubber mats, 28-inch power cord, and air vents. The ETL Listed certification is also indicated.

- **AC Outlets:** Two 110V AC outlets for standard electronic devices.
- **USB Ports:** Three Auto 0-2.4A USB ports and one 3A Type-C USB port for charging mobile devices.
- **Power Switch:** On/Off button for the inverter.

- **Cigarette Lighter Plug:** Connects to your vehicle's 12V DC power outlet.
- **Cooling Fan & Air Vents:** For heat dissipation during operation.

5. SETUP

Follow these steps for initial setup:

1. Ensure your vehicle's engine is running to provide stable power and prevent draining the car battery.
2. Insert the inverter's cigarette lighter plug firmly into your vehicle's 12V DC power outlet.
3. The inverter's indicator light should illuminate, indicating it is receiving power.
4. Press the power button on the inverter to turn it on.

6. OPERATING INSTRUCTIONS

Once the inverter is set up, you can begin powering your devices:

1. **Connecting AC Devices:** Plug your 110V AC devices directly into the AC outlets on the inverter. Ensure the total wattage does not exceed 200W.
2. **Connecting USB Devices:** Plug your USB charging cables into the available USB-A or USB-C ports. The inverter features smart USB ports that automatically detect and deliver optimal charging current (up to 2.4A per USB-A, 3A for USB-C).
3. **Powering On/Off:** Use the power button to turn the inverter on or off. You can turn off the AC outlets while keeping the USB ports active if desired.

3-USB & 1 Type C Total 7.8A

Simultaneously charge 4 devices at high speed



Smart USB Ports



Type C Port



Figure 6.1: The inverter actively charging a smartphone and a tablet, demonstrating its multi-device charging capability via the USB ports.

Convenient Charging

Durable, vehicle cigarette lighter plug provides high-speed charging from your car.



Figure 6.2: The inverter positioned in a car's center console, showing a smartphone connected and charging, illustrating practical in-car usage.

7. MAINTENANCE

To ensure the longevity and optimal performance of your inverter:

- Keep the inverter clean and free from dust and debris. Use a dry, soft cloth for cleaning.
- Ensure the ventilation openings are not obstructed to prevent overheating.
- Store the inverter in a cool, dry place when not in use.
- Avoid exposing the inverter to extreme temperatures.

8. TROUBLESHOOTING

If you encounter issues with your BESTEK Power Inverter, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power output from AC outlets/USB ports.	Inverter not properly connected; vehicle's 12V outlet not active; inverter is off; overloaded.	Ensure firm connection. Check vehicle's power outlet. Press power button. Reduce connected load.
Overheating.	Poor ventilation; excessive load.	Ensure clear air vents. Reduce load. Allow inverter to cool down.
Device not charging or charging slowly.	Faulty cable; device specific charging requirements; inverter not providing enough current.	Try a different cable. Check device's power requirements. Ensure inverter is on.

If the problem persists after trying these solutions, please contact BESTEK customer service.

9. SPECIFICATIONS

Key technical specifications for the BESTEK 200W Power Inverter:

- **Model Name:** MRI2011KU
- **Wattage:** 200 Watts (Continuous), 500 Watts (Instantaneous)
- **Input Voltage:** DC 12V
- **Output Voltage:** AC 110V
- **USB Output:** 3 x Auto 0-2.4A USB-A Ports, 1 x 3A Type-C Port (Total 7.8A / 39W)
- **Product Dimensions:** 5.9 x 3.14 x 1.18 inches
- **Item Weight:** 13.4 ounces
- **Power Source:** Battery Powered (via vehicle's 12V DC outlet)
- **Safety Features:** Multi-protection against overheating, undervoltage, overvoltage, short circuiting, overloads, and over current. Built-in 30 amps fuse. ETL Listed.
- **Recommended Uses:** Vehicle

Isolation Voltage Protection

AC outlets and USB ports are completely isolated to protect your devices

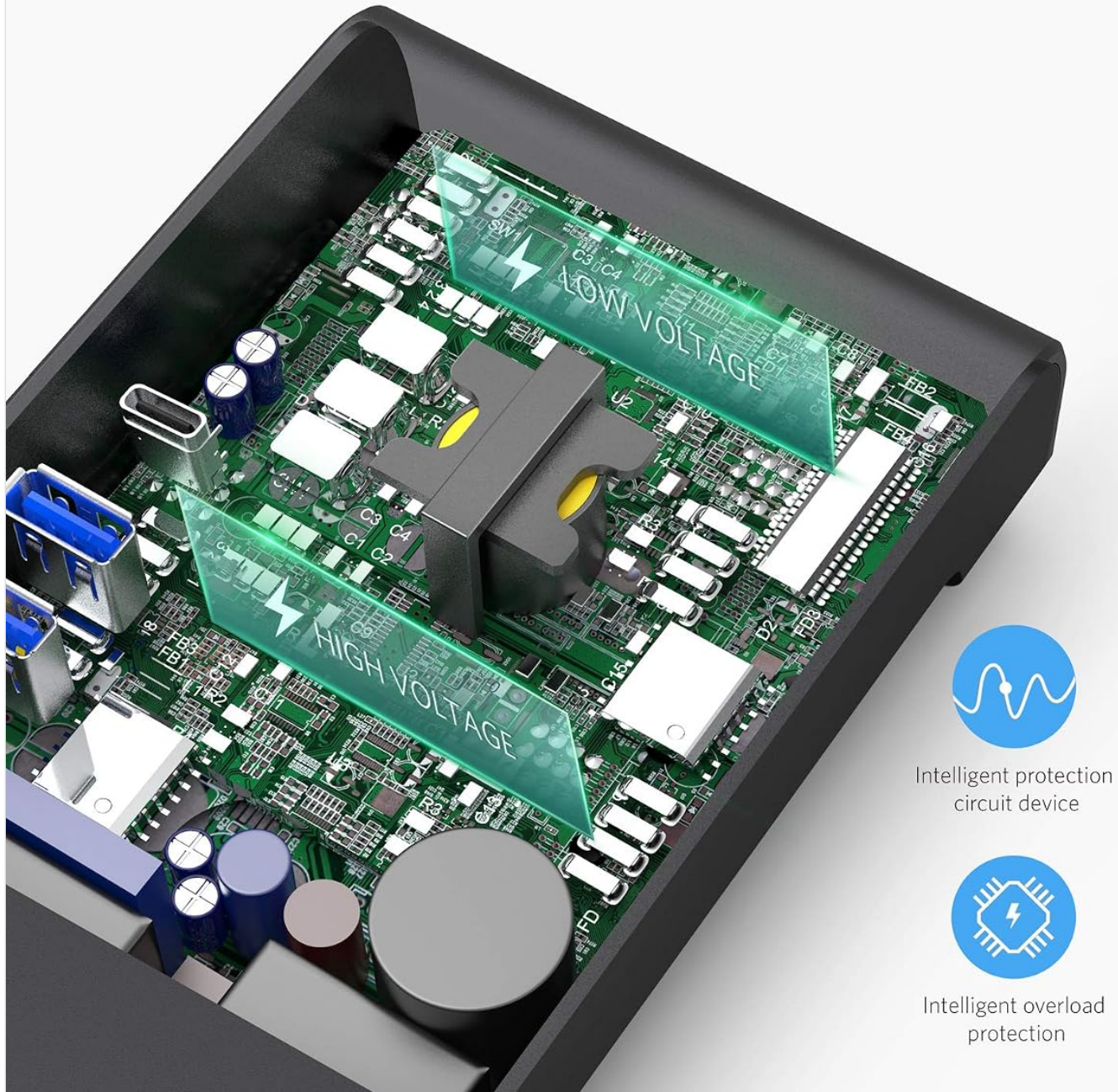


Figure 9.1: An internal diagram illustrating the isolation voltage protection within the inverter, ensuring safety for connected electronics by separating AC outlets and USB ports.

10. WARRANTY AND SUPPORT

BESTEK provides an 18-month warranty for this product. For any questions, technical support, or warranty claims, please contact BESTEK customer service. You can find contact information on the official BESTEK website or through your purchase platform.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question