

BMK BLUEMICKEY SGR-NX200W-1

BMK 200W Car Power Inverter Instruction Manual

MODEL: SGR-NX200W-1

Brand: BMK BLUEMICKEY

1. Introduction

This manual provides essential information for the safe and efficient operation of your BMK 200W Car Power Inverter. This device converts 12V DC power from your vehicle's cigarette lighter socket into 110V AC power, along with multiple USB charging ports, allowing you to power and charge various electronic devices on the go.

2. Safety Information

To ensure safe operation and prevent damage to the inverter or connected devices, please observe the following safety guidelines:

- **Power Limit:** Ensure that the total power consumption of all connected devices does not exceed 200W. Exceeding this limit can damage the inverter and your devices.
- **Vehicle Use Only:** This product is designed for use with 12V DC car power sockets only. Do not attempt to connect it to other power sources.
- **Protection Features:** The inverter includes a SMART chip for protection against overheating, under-voltage, over-voltage, short-circuiting, overloads, and overcharging.
- **Built-in Fuse:** A 15A fuse is integrated to protect the inverter and your devices from power surges. A spare fuse is included for replacement if needed.
- **Ventilation:** Ensure the cooling fan and air vents are not obstructed to allow for proper heat dissipation.



Figure 1: Multiple Safety Protection Features

Description: This image illustrates the various safety mechanisms built into the BMK power inverter, such as protection against over-temperature, short circuits, over-voltage, over-charging, under-voltage, and overloads.

3. Package Contents

Upon opening the package, please verify that all items are present:

- 1 x BMK 200W Car Power Inverter
- 1 x User Manual
- 1 x Spare 15A Fuse

4. Product Overview and Features

The BMK 200W Car Power Inverter is a compact and versatile device designed to meet your power needs in a vehicle. It features:

- **AC Outlets:** Two (2) 110V AC outlets for standard electronic devices.

- **USB Charging Ports:** Four (4) USB ports, including two (2) QC3.0 ports for fast charging and two (2) Type-C ports (PD 18W MAX) for modern devices.
- **LED Indicator:** Displays green for normal operation and red for shutdown/error.
- **Digital Display:** Shows the car battery voltage when idle and USB charging current when in use.
- **Cooling Fan:** An integrated silent cooling fan activates when the temperature reaches 107.6°F (42°C) to prevent overheating.
- **Compact Design:** Measuring approximately 7.24 x 5.28 x 1.73 inches and weighing 10.3 ounces, it is designed for portability and convenience.



Figure 2: Product Features and Dimensions

Description: This image provides a detailed view of the inverter, highlighting its various ports, the cooling fan, and the power indicator, along with its compact dimensions.



Figure 3: BMK 200W Car Power Inverter

Description: A clear image of the BMK 200W Car Power Inverter, showcasing its sleek black design, two standard AC outlets, and the array of USB charging ports.

5. Setup Instructions

Follow these steps to set up your BMK Car Power Inverter:

1. **Locate Car Power Socket:** Identify the 12V DC cigarette lighter socket in your vehicle.
2. **Connect Inverter:** Insert the inverter's 12V car plug firmly into the vehicle's cigarette lighter socket.
3. **Power On:** Flip the ON/OFF switch on the inverter to the 'ON' position. The LED indicator should turn green, and the digital display will show the car battery voltage.

Video 1: BMK 200W Car Power Inverter Overview and Setup

Description: This video demonstrates the physical features of the BMK 200W Car Power Inverter and shows how to connect it to a car's 12V power socket, highlighting its various ports and the digital display.

6. Operating Instructions

Once the inverter is properly set up and powered on, you can begin using it to charge and power your devices:

1. **Using AC Outlets:** Plug your 110V AC devices (e.g., laptop chargers, small electronics) directly into the two standard AC outlets on the inverter.

2. **Using USB Ports:** Connect your USB-powered devices (smartphones, tablets, etc.) to the available QC3.0 or Type-C ports. The digital display will show the USB charging current.
3. **Monitoring:** Observe the LED indicator (green for normal operation) and the digital display for real-time voltage and current information.
4. **Power Off:** When not in use, flip the ON/OFF switch to the 'OFF' position to conserve vehicle battery power.



Figure 4: Charging Multiple Devices

Description: This image demonstrates the inverter's capability to charge multiple devices concurrently, including a smartphone, tablet, and laptop, showcasing its utility for in-car power needs.

7. Compatibility and Limitations

The BMK 200W Car Power Inverter is designed for a wide range of devices, but it's crucial to understand its limitations:

- **Maximum Power Output:** The inverter provides a continuous power output of 200W. Do not connect devices that collectively exceed this wattage.
- **Incompatible Devices:** High-power appliances such as hair dryers, electric kettles, coffee makers, vacuum

cleaners, or other devices with high instantaneous power requirements are not compatible and should not be connected.



Figure 5: Device Compatibility Guide

Description: This visual guide clearly distinguishes between compatible low-power electronic devices and incompatible high-power appliances, emphasizing the 200W limit.

8. Maintenance

Proper maintenance ensures the longevity and optimal performance of your inverter:

- **Keep Vents Clear:** Regularly check and ensure that the cooling fan and air vents are free from dust and obstructions. A clear airflow is vital for preventing overheating.
- **Fuse Replacement:** If the inverter stops working due to an overload, the 15A fuse may need replacement. Refer to the safety section for details.
- **Storage:** Store the inverter in a cool, dry place when not in use.



Figure 6: Cooling Fan Operation

Description: This image highlights the inverter's cooling fan, showing how it expels heat to maintain optimal operating temperature and prevent damage.

9. Troubleshooting

If you encounter issues with your BMK Car Power Inverter, consider the following:

- **No Power:** Ensure the inverter's 12V plug is securely inserted into the car's socket and the ON/OFF switch is in the 'ON' position. Check the car's fuse box for any blown fuses related to the 12V socket.
- **Red LED Indicator:** A red indicator light typically signifies a protection mode activation (e.g., overload, overheating, over/under voltage, short circuit). Disconnect all devices, turn the inverter off, wait a few minutes, and then restart. Reduce the load if an overload was the cause.
- **Device Not Charging:** Verify that the device's power requirements are within the inverter's 200W limit. Ensure the charging cable is properly connected to both the inverter and the device.
- **Fan Noise:** The cooling fan will activate when the inverter reaches a certain temperature. This is normal operation. Ensure vents are not blocked.

10. Specifications

Feature	Specification
Product Dimensions	7.24 x 5.28 x 1.73 inches
Item Weight	10.3 ounces
Item Model Number	SGR-NX200W-1
Brand	BMK BLUEMICKEY
Recommended Uses	Home, Office, Vehicle
Power Source	Vehicle DC Power Socket
Wattage	200 watts

11. Warranty and Support

BMK BLUEMICKEY is committed to providing quality products and customer satisfaction. Your BMK 200W Car Power Inverter comes with:

- **12 Months After-sales Service:** For any product-related issues within 12 months of purchase.
- **60-Day Hassle-free Return:** For easy returns within 60 days.
- **24 Hours Online Support:** Access to online assistance for your queries.

For further assistance or to claim warranty services, please contact BMK BLUEMICKEY customer support through the platform where you purchased the product.

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