

BESTEK MRJ2001

BESTEK MRJ2001 USB Surge Protector User Manual

Model: MRJ2001

1. INTRODUCTION

The BESTEK MRJ2001 USB Surge Protector is designed to provide power and charging solutions for electronic devices. It features two AC outlets and two USB charging ports, making it suitable for various environments including home, office, and travel. This manual outlines the product's features, proper usage, safety precautions, and maintenance procedures.



Figure 1: The BESTEK MRJ2001 USB Surge Protector, showcasing its compact design, two standard AC power outlets, two USB charging ports, and the integrated power cord with a cable management strap.

2. PRODUCT OVERVIEW

2.1 Features

- **Compact and Portable Design:** Measures approximately 6.6 x 2.1 x 1.3 inches, making it easy to transport.
- **Multiple Power Outlets:** Equipped with two standard AC outlets and two smart USB charging ports (2.4A Max total output).
- **Integrated Safety Protections:** Includes safeguards against over-current, overload, overvoltage, and short circuits.
- **Durable Construction:** Features a fire-retardant PC alloy ABS shell and a ruggedized cord with strain relief.
- **Dust Protection:** USB ports include protective covers to prevent dust accumulation.

2.2 Components

The BESTEK MRJ2001 is designed with both external and internal features for functionality and safety.



Figure 2: An internal diagram of the BESTEK MRJ2001 USB Surge Protector, detailing its construction. Key components visible include the fire-retardant shell, AC sockets, USB ports with dust covers, surge protection components, and the strain relief protective structure for the cord.

1. **AC Sockets:** Two standard AC outlets for powering devices.
2. **USB Charging Ports:** Two smart USB ports for charging mobile devices.
3. **USB Dust Cover:** Protects USB ports from dust when not in use.
4. **Power Cord:** Integrated 1.3-foot ruggedized cord.
5. **Surge Protection Components:** Internal circuitry designed to protect against power surges.
6. **Strain Relief Protective Structure:** Reinforces the cord connection for durability.
7. **Fire-retardant Shell:** Outer casing made from PC alloy ABS for enhanced safety.

3. SETUP

To set up your BESTEK MRJ2001 USB Surge Protector:

1. Uncoil the power cord from the surge protector.
2. Plug the surge protector's power plug into a standard wall outlet.

3. The power indicator light (if present) should illuminate, indicating the unit is receiving power.

4. OPERATING INSTRUCTIONS

4.1 Using AC Outlets

Plug your electronic devices directly into the two AC outlets on the surge protector. Ensure that the total power consumption of all connected devices does not exceed the maximum wattage rating of the unit (refer to specifications).

4.2 Using USB Charging Ports

The two USB ports are designed for charging mobile devices such as smartphones and tablets. These are smart USB ports, which automatically detect your device's charging requirements to deliver optimal current up to 2.4A (total maximum output for both ports).



Figure 3: The BESTEK MRJ2001 USB Surge Protector in use, charging both a tablet and a smartphone via its two smart USB ports, demonstrating its multi-device charging capability.

1. Open the USB dust cover.
2. Connect your device's USB charging cable to one of the USB ports.
3. Connect the other end of the cable to your device.

4. The device should begin charging automatically.

5. SAFETY INFORMATION

The BESTEK MRJ2001 USB Surge Protector incorporates multiple safety features to protect your connected devices and the unit itself:

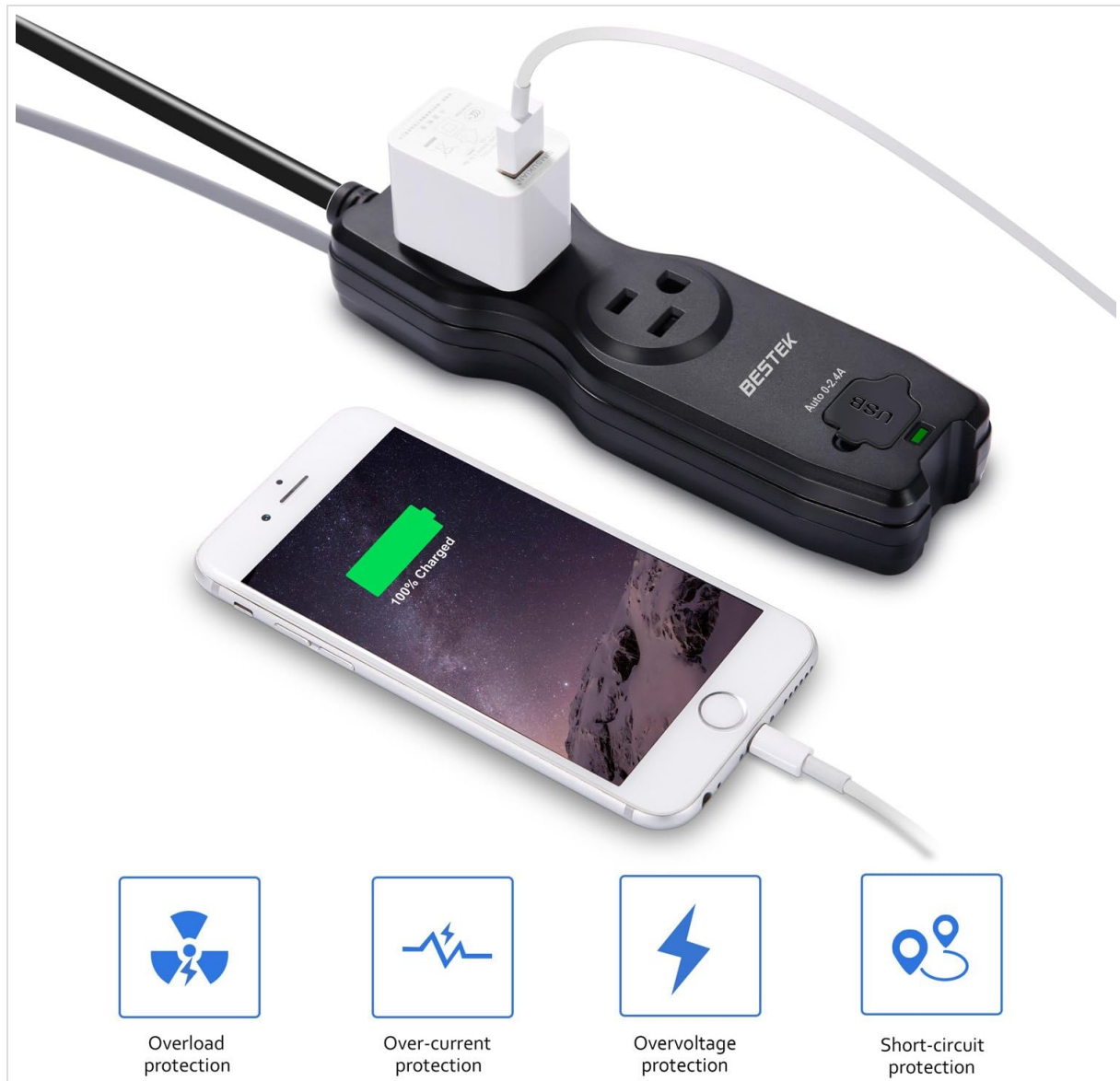


Figure 4: This image shows a smartphone actively charging through the surge protector. Below it, four icons visually represent the device's built-in safety features: overload protection, over-current protection, overvoltage protection, and short-circuit protection.

- **Overload Protection:** Prevents damage from excessive power draw.
- **Over-current Protection:** Safeguards against current exceeding safe limits.
- **Overvoltage Protection:** Protects devices from voltage spikes.
- **Short-circuit Protection:** Automatically cuts power in case of a short circuit.

Important Safety Precautions:

- Do not exceed the maximum load capacity of the surge protector.
- Do not use in wet environments or near water.
- Do not disassemble or modify the unit.
- Keep out of reach of children.

- Ensure the plug is fully inserted into the wall outlet.

6. MAINTENANCE

To ensure the longevity and proper functioning of your surge protector:

- **Cleaning:** Disconnect the unit from the power source before cleaning. Use a dry, soft cloth to wipe the exterior. Do not use liquid cleaners or abrasive materials.
- **Storage:** When not in use, store the surge protector in a cool, dry place, away from direct sunlight and extreme temperatures. The integrated cord strap can be used for neat storage.
- **Inspection:** Periodically inspect the power cord and the unit for any signs of damage. If damage is found, discontinue use immediately.

7. TROUBLESHOOTING

If you encounter issues with your BESTEK MRJ2001 USB Surge Protector, refer to the following common solutions:

- **No Power to Devices:**
 - Ensure the surge protector is securely plugged into a functioning wall outlet.
 - Check if the wall outlet itself is receiving power by testing it with another device.
 - Verify that the connected devices are properly plugged into the surge protector's outlets or USB ports.
- **USB Devices Not Charging:**
 - Confirm that the USB cable is not damaged and is correctly connected to both the surge protector and the device.
 - Test the USB cable with another power source to rule out cable issues.
 - Ensure the total current draw for all USB devices does not exceed 2.4A.
- **Surge Protector Feels Warm:**
 - It is normal for the unit to feel slightly warm during operation. However, if it becomes excessively hot, disconnect all devices and unplug the unit immediately. This may indicate an overload or malfunction.

8. SPECIFICATIONS

Detailed technical specifications for the BESTEK MRJ2001 USB Surge Protector:



Figure 5: This image provides a visual representation of the BESTEK MRJ2001 USB Surge Protector's physical dimensions, indicating its length as 6.73 inches, width as 2.05 inches, and height as 1.14 inches, emphasizing its compact size.

Specification	Value
Model Number	MRJ2001
Product Dimensions	6.7 x 2 x 1.3 inches
Item Weight	12.8 ounces
Total Power Outlets	2 AC Outlets
USB Charging Ports	2 Smart USB Ports (2.4A Max Total)
Voltage	240 Volts (Input)
Cord Length	1.3 feet (approx. 17 inches)
Special Feature	2-Outlet Travel Power Strip with Dual Smart USB Charging Ports

9. WARRANTY AND SUPPORT

The BESTEK MRJ2001 USB Surge Protector comes with an **18-month warranty**. For warranty claims, technical support, or any inquiries, please contact BESTEK customer service. Refer to the product packaging or the official BESTEK website for contact information.

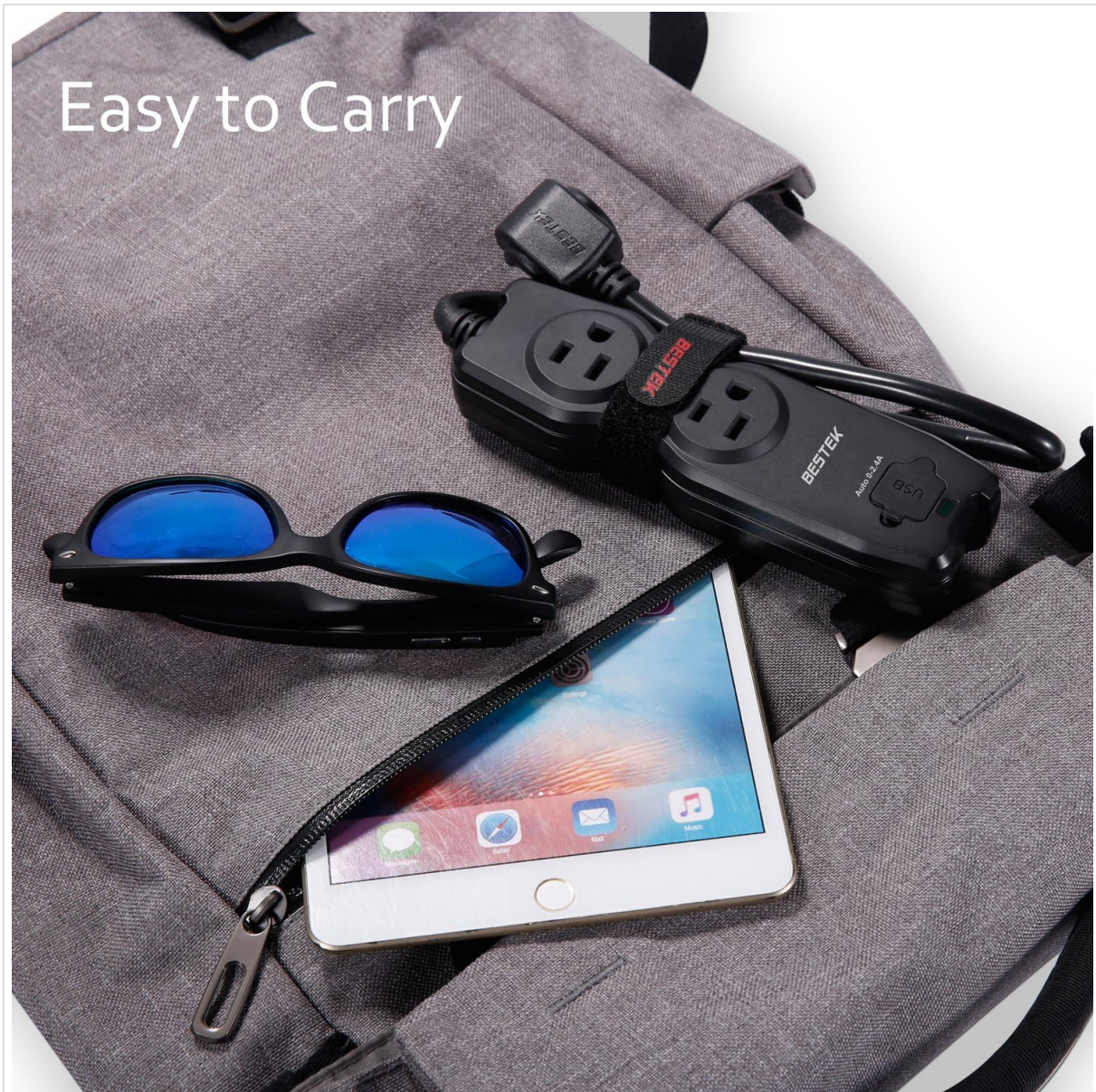


Figure 6: The BESTEK MRJ2001 USB Surge Protector neatly packed into a backpack compartment alongside other travel essentials like sunglasses and a tablet, illustrating its ease of portability for travel or daily use.