

BESTEK MRZ201HU-WHGY-US

BESTEK Pure Sine Wave 220V to 110V Travel Voltage Converter

Model: MRZ201HU-WHGY-US

Instruction Manual

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your BESTEK Pure Sine Wave 220V to 110V Travel Voltage Converter. This device is designed to convert international voltages (110V-240V) to US voltage (110V), allowing you to safely use your electronic devices abroad. It features pure sine wave output for sensitive electronics, multiple USB charging ports including PD 35W, and comes with various international plug adapters.

2. IMPORTANT SAFETY INFORMATION

- **Read all instructions before use.** Failure to follow instructions may result in electric shock, fire, or serious injury.
- **Do not use with high-power hair dryers.** This converter is not suitable for high-wattage appliances like most hair dryers. Refer to the device's power rating.
- **Maximum Power Output:** The rated power is 200W, with a peak power of 600W. Do not exceed 200W for continuous use.
- **Indoor use only.** Do not expose to rain or moisture.
- **Keep out of reach of children.**
- **Ensure proper ventilation.** Do not cover the converter during operation.
- **Disconnect from power when not in use.**
- **Do not disassemble or modify the device.** Refer all servicing to qualified personnel.
- **Protection Features:** The converter includes over-current, over-load, over-heat, and short-circuit protection. If a fault occurs, the output may shut off and an indicator light may turn red. Power cycle the converter to reset.
- **USB outputs are isolated** from AC power for enhanced device safety.

Safety Protection



Over Heat Protection



Short-Circuit Protection



Over-Voltage Protection



Over-Current Protection

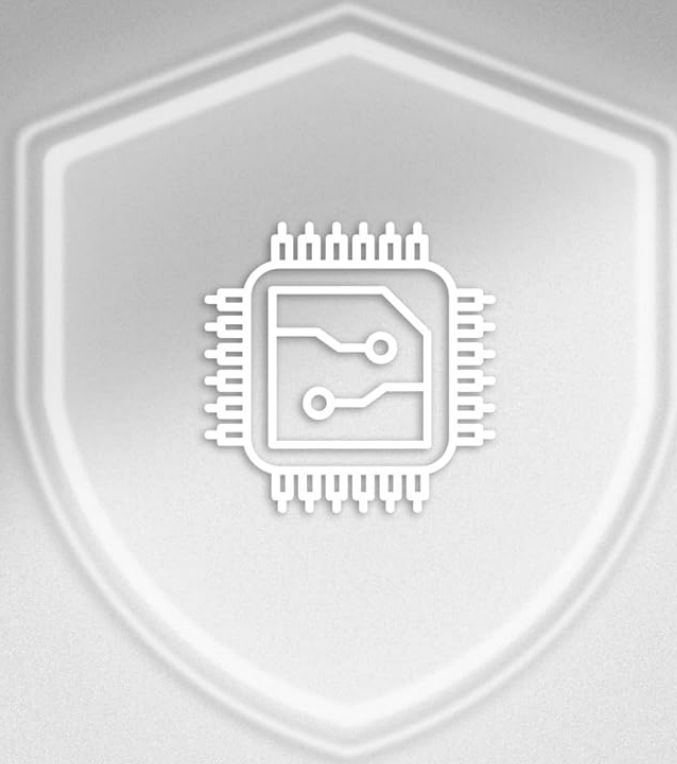


Figure 1: Safety Protection Features

The converter is equipped with multiple safety protections to ensure safe operation for both the device and your connected electronics. These include safeguards against overheating, short circuits, over-voltage, and over-current conditions.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- BESTEK Pure Sine Wave Travel Voltage Converter
- Detachable Power Cable (EU power cable)
- UK Adapter

- US/AU Adapter
- Instruction Manual (this document)













		<p>Type G Plug: UK,Ireland,England,HongKong(CHINA), Scotland,Dubai,Singapore,Qatar,Kenya etc.</p>	
		<p>Type I Plug: Australia,New Zealand,Argentina, China,Tajikistan,Uzbekistan etc.</p>	
		<p>Type A Plug: USA,Japan,Bahamas,Brazil,Canada,Panama, Philippines,Colombia,Thailand,etc.</p>	
		<p>Type C Plug: Most of Europe,like Italy,Spain,France,Portugal, Greece,Israel,Germany,Switzerland etc.</p>	

Figure 2: Converter and Included Adapters

The image displays the main converter unit, its detachable power cord, and the two primary international plug adapters provided for global compatibility.

4. PRODUCT FEATURES

- **Pure Sine Wave Output:** Provides stable voltage output, ideal for sensitive electronic devices such as phones, cameras, curling irons, hair straighteners, and electric toothbrushes within 200W.

- **Worldwide Voltage Conversion:** Converts 110V-240V input to 110V US voltage.
- **6-in-1 Design:** Features 2 AC outlets, 3 USB-A ports, and 1 USB-C (PD 35W) fast charging port.
- **High Power Output:** Maximum output power of 240W, rated power of 200W, and peak power of 600W.
- **Comprehensive Safety:** NRTL safety certified with protection against over-current, over-load, over-heat, and short-circuit.
- **Travel-Friendly Design:** Compact and lightweight (6.7 x 3.15 x 1.5 inches) with a detachable power cable and included UK/AU/US/EU adapters for use in over 150 countries.



Figure 3: 6-in-1 Port Configuration

This image illustrates the versatile port layout of the converter, highlighting its two AC outlets, three standard USB-A ports, and one USB-C

port with Power Delivery (PD) 35W for rapid charging.

5. SETUP INSTRUCTIONS

1. **Identify the Local Outlet Type:** Determine the type of electrical outlet used in your travel destination.
2. **Select the Correct Adapter:** Choose the appropriate plug adapter (UK, AU/US, EU) from the package. Refer to the adapter guide below.
3. **Connect the Power Cable:** Plug the detachable power cable into the converter's input port.
4. **Attach the Adapter:** If needed, attach the selected international plug adapter to the end of the power cable's plug.
5. **Plug into Wall Outlet:** Insert the assembled power cable and adapter into the wall outlet.
6. **Power On:** Flip the power switch on the converter to the "ON" position. The indicator light should illuminate.



Figure 4: Type G Plug Adapter

The Type G plug adapter is designed for use in countries such as the UK, Ireland, England, Hong Kong, Scotland, Dubai, Singapore, Qatar, and Kenya.



Figure 5: Type I Plug Adapter

The Type I plug adapter is compatible with outlets found in Australia, New Zealand, Argentina, China, Tajikistan, and Uzbekistan.

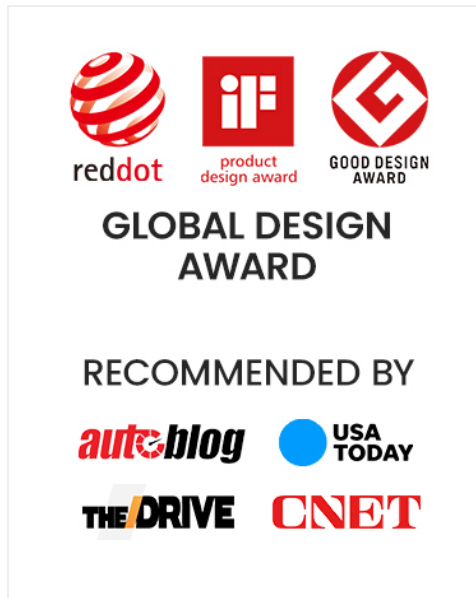


Figure 6: Type A Plug Adapter

The Type A plug adapter is suitable for use in the USA, Japan, Bahamas, Brazil, Canada, Panama, Philippines, Colombia, and Thailand.

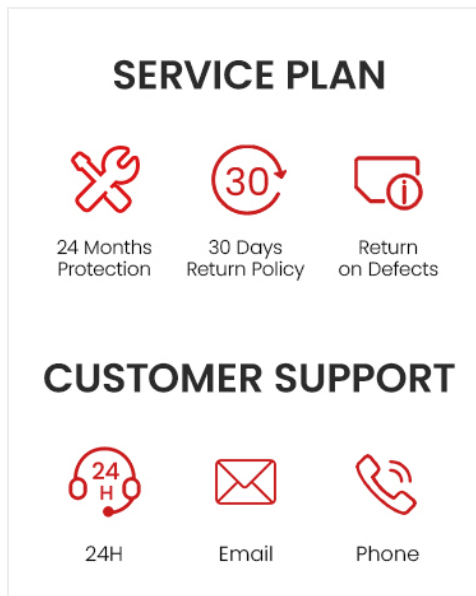


Figure 7: Type C Plug Adapter

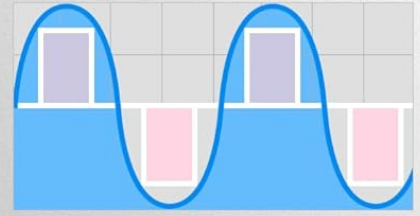
The Type C plug adapter is commonly used in most European countries, including Italy, Spain, France, Portugal, Greece, Israel, Germany, and Switzerland.

6. OPERATING INSTRUCTIONS

1. **Connect Devices:** Once the converter is powered on, plug your 110V AC devices into the AC outlets. For USB charging, connect your devices to the USB-A or USB-C (PD 35W) ports.
2. **Monitor Power Consumption:** Ensure the total wattage of all connected AC devices does not exceed 200W for continuous use.
3. **Pure Sine Wave Benefit:** The pure sine wave output ensures compatibility and safe operation for sensitive electronics, reducing potential damage and power loss.
4. **Fast Charging:** Utilize the USB-C PD 35W port for faster charging of compatible devices.

Pure Sine Wave Voltage Converter

Convert 100-240V to 110V for worldwide travel



Pure Sine Waves Cause less damage and loss to your devices



100%

Equipment service life

40%

Reduce Power Consumption

Figure 8: Pure Sine Wave Voltage Conversion in Use

This image demonstrates the converter in operation, providing stable 110V power to a laptop from a 220V wall outlet, highlighting the benefit of pure sine wave output for device longevity and reduced power consumption.

Travel Voltage Converter

Applicable to curling iron, hair straightener and the electric toothbrush and CPAP machine etc

***Note:** Not available for hair dryers



Figure 9: Compatible Devices

The converter is suitable for various travel appliances such as curling irons, hair straighteners, electric toothbrushes, and CPAP machines. Please note that it is not designed for high-power hair dryers.

Charge Up to 3x Faster



Figure 10: Fast Charging Capability

The integrated USB-C PD 35W port allows for significantly faster charging of compatible smartphones and other devices compared to standard chargers.

7. MAINTENANCE

- **Cleaning:** Disconnect the converter from the power source before cleaning. Use a dry, soft cloth to wipe the exterior. Do not use liquid cleaners or sprays.
- **Storage:** Store the converter in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Care:** Avoid sharp bends or kinks in the power cable. Do not place heavy objects on the cable.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Converter not powering on.	No power from wall outlet; power switch off; faulty cable connection.	Check wall outlet with another device. Ensure power switch is ON. Verify power cable is securely connected to both the converter and the wall outlet.
Devices not charging/powering.	Overload protection activated; device not compatible; faulty cable/device.	Reduce the number of connected devices or their total wattage (do not exceed 200W). Power cycle the converter. Ensure your device is compatible with 110V. Test with a different cable or device.
Red indicator light / Converter shuts off.	Over-current, over-load, over-heat, or short-circuit protection activated.	Unplug all devices. Power cycle the converter (turn off, then on). Reconnect devices one by one, ensuring total wattage is below 200W. Allow the unit to cool if it was running hot. Check for short circuits in connected devices or cables.
Audible fan noise.	Normal operation under load; fan cycling at no load.	The fan operates to cool the unit, especially under load. This is normal. If the noise is excessive or unusual, ensure proper ventilation and that the fan vents are not obstructed. Some fan cycling may occur at no load.

9. SPECIFICATIONS

Feature	Detail
Brand	BESTEK
Model Number	MRZ201HU-WHGY-US
Color	White
Input Voltage	220 Volts (AC) - 240 Volts (AC)
Output Voltage	110 Volts (AC)
Rated Power	200W
Peak Power	600W
Number of Outlets	2 AC Outlets, 3 USB-A Ports, 1 USB-C (PD 35W) Port (Total 6)
Plug Type (Included Adapters)	UK, AU/US, EU
Item Dimensions (L x W x H)	6.7 x 3.3 x 1.6 inches
Safety Certifications	NRTL Certified

10. WARRANTY AND SUPPORT

BESTEK offers various support options for your product:

- **Protection Plans:** Optional 2-Year and 3-Year protection plans are available for purchase.
- **Return Policy:** A 30-day return policy is typically offered for refunds or replacements.
- **Customer Service:** For technical support, warranty claims, or other inquiries, please contact BESTEK customer

service. Refer to the product packaging or the official BESTEK website for current contact information.

11. PRODUCT OVERVIEW VIDEO



Video 1: BESTEK Pure Sine Wave 220V to 110V Voltage Converter Overview

This video provides a visual overview of the BESTEK Pure Sine Wave Travel Voltage Converter, showcasing its design, ports, and included accessories.



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