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UMI LX-1800 120V to 100V

UMI 1800W Step Down Transformer 120V to 100V User Manual

Model: LX-1800 120V to 100V

Brand: UMI

Introduction

The UMI 1800W Step Down Transformer is designed to convert the standard 110-120V AC power found in regions like the US, Canada, and Mexico to 100V AC, making it safe to use Japanese electrical appliances. This heavy-duty, toroidal voltage converter ensures your imported devices operate correctly and safely.



Image: UMI 1800W Step Down Transformer, front view.

Important Safety Warnings

- **Maximum Power Consumption (MPC)**: Before connecting any appliance, verify its Maximum Power Consumption (MPC) from its nameplate or instruction guide. The appliance's MPC must be **less than** the transformer's Maximum Load Capacity (MLC) of 1800W. Exceeding this limit will cause overloading and potential damage.
- **Optimal Use**: For safety and optimal results, the manufacturer recommends that the transformer's MLC should be equal to or greater than your appliance's MPC.
- **Voltage Compatibility**: This is a 120V to 100V step-down converter. Use it only for Japanese 100V appliances in 110-120V regions (US, Canada, Mexico). Do not use it for 220V appliances or in 220V regions.
- **Continuous Use**: Avoid using the converter at full load for extended periods.
- **Frequency**: These transformers only convert voltage; the output frequency (Hz) remains the same as the input frequency.

- **Surge Protection**: The unit is equipped with a surge protector to safeguard your home circuit from trips and fuse blows.

Product Features

- **Step Down Voltage Conversion**: Converts 110-120V to 100V for Japanese appliances.
- **Toroidal Transformer**: Features an ultra-thin, ring-type transformer for a slim, small size, light weight, energy efficiency, quiet operation, and high performance. CE & CQC Certified.
- **Dual Outlet Sockets**: Equipped with two 100V output sockets, allowing simultaneous use of two appliances, provided their total power consumption does not exceed 1800W.
- **Digital Display**: Shows input voltage and power consumption for easy monitoring of the converter's working status.
- **Surge Protection**: Integrated surge protection for enhanced safety.

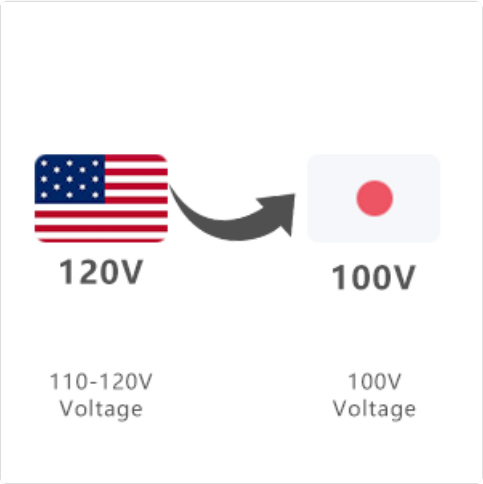


Image: Diagram illustrating 120V to 100V voltage conversion.



Image: Illustration of the copper wire core, highlighting the toroidal transformer design.



Image: Visual representation of safety, appearance, and performance checks.

Setup Instructions

Follow these steps to set up your UMI Step Down Transformer:

1. **Step 1: Plug in the Converter**
   Plug the input power cord of the UMI transformer into a standard 110-120V wall socket in your country (e.g., US, Canada, Mexico).
2. **Step 2: Turn on the Converter**
   Locate the power switch on the converter and turn it on. The digital display should illuminate, showing the input voltage.
3. **Step 3: Connect Your Appliance**
   Plug your Japanese appliance's power cord into one of the 100V output sockets on the UMI transformer. Ensure the appliance's power consumption does not exceed 1800W.
4. **Step 4: Turn on Your Appliance**
   Turn on the power switch of your Japanese appliance.



Image: Visual guide demonstrating the four steps to connect and use the UMI transformer with an appliance.

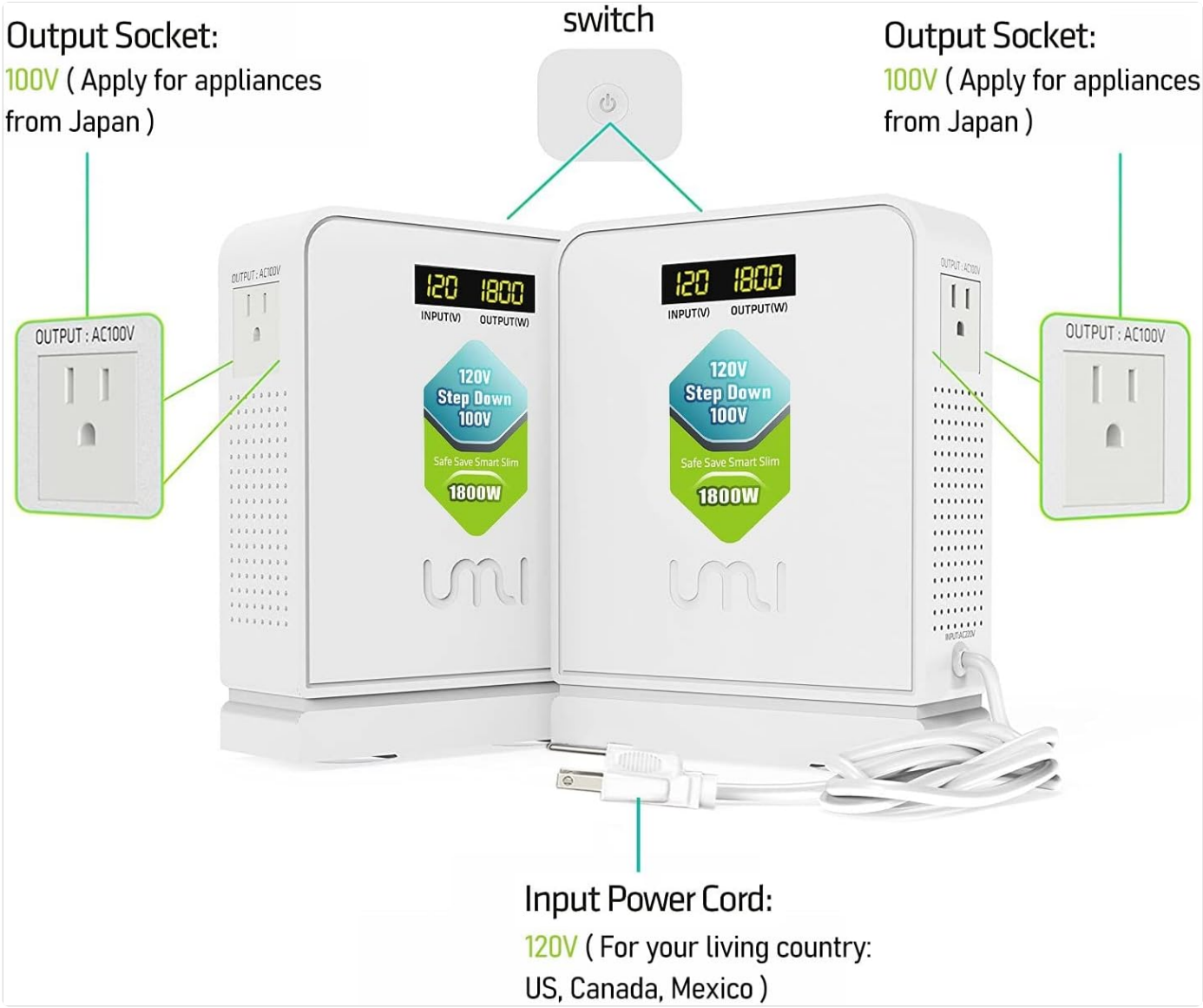


Image: Close-up view of the UMI transformer showing the 100V output sockets and the 120V input power cord.

Physical Dimensions and Weight

The UMI 1800W Step Down Transformer is designed to be compact and lightweight for ease of placement and portability.



Image: Diagram showing the dimensions (9.45"D x 7.28"W x 9.45"H) and weight (4.1kg / 9.03lbs) of the UMI 1800W transformer.

Stability Features

The unit includes bottom suckers to help fix the product in place and prevent accidental knocking over.



Image: View of the UMI transformer's bottom, highlighting the suction cups designed for stability.

Operating Instructions

Monitoring the Display

The digital display on the front of the transformer shows the input voltage (INPUT V) and the current power consumption (OUTPUT W). This allows you to monitor the operational status and ensure your appliances are within the safe power limits.

Power Consumption Guidelines

Always ensure the total power consumption of all connected appliances does not exceed the rated power of 1800W. Overloading can trigger the surge protector and cause the unit to shut down.

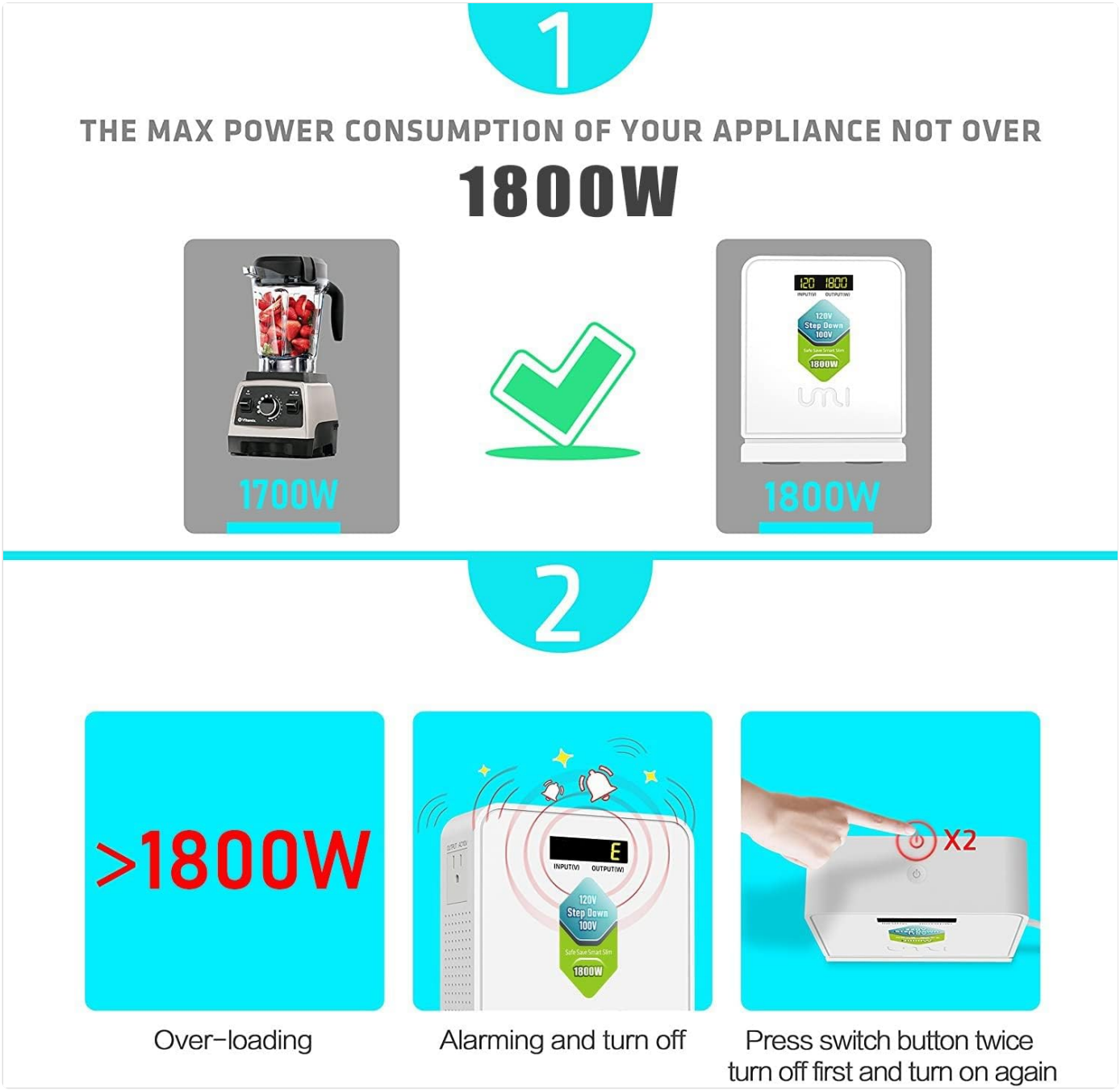


Image: Illustration showing the maximum power consumption limit of 1800W. It depicts scenarios of safe usage (1700W, 1600W) versus overloading (greater than 1800W), an alarming state, and the procedure to reset by pressing the switch button twice.

Specifications

Brand	UMI
Model	LX-1800 120V to 100V
Input Voltage	110-120V AC
Output Voltage	100V AC
Rated Power	1800 Watts
Power Source	Corded Electric

Product Dimensions (D x W x H)	9.45" x 7.28" x 9.45" (7 x 18.5 x 24 cm)
Item Weight	4.1 kg (9.03 lbs)
Minimum Frequency	50 hertz
Certifications	CE, CQC
Mounting Type	Surface Mount



Image: UMI 1800W 120V to 100V Step Down Converter.

Troubleshooting

No Power / Unit Not Turning On

- **Check Power Connection**: Ensure the converter's power cord is securely plugged into a working wall outlet.
- **Wall Outlet Functionality**: Test the wall outlet with another device to confirm it is supplying power.
- **Converter Switch**: Make sure the power switch on the converter is in the 'ON' position.

Overload Alarm / Unit Shuts Off

- **Reduce Load**: The converter has detected an overload. Disconnect one or more appliances to reduce the total power consumption below 1800W.
- **Reset Unit**: If the unit alarms and shuts off, press the power switch button twice to reset it after reducing the load.
- **Appliance Compatibility**: Re-verify that the total Maximum Power Consumption (MPC) of your connected appliances does not exceed 1800W.

Appliance Not Working After Connection

- **Appliance Power Switch**: Ensure your appliance's power switch is turned on.
- **Appliance Functionality**: Test your appliance directly in a compatible 100V outlet (if available) to confirm it is working correctly.
- **Correct Voltage**: Double-check that your appliance is indeed a 100V Japanese appliance.

Maintenance

- **Cleaning**: Disconnect the power converter from the wall outlet before cleaning. Use a dry, soft cloth to wipe the exterior. Do not use liquid cleaners or sprays.
- **Ventilation**: Ensure the ventilation slots on the converter are not blocked to prevent overheating.
- **Storage**: Store the converter in a cool, dry place away from direct sunlight and moisture when not in use for extended periods.

Warranty and Support

Warranty Information

This product comes with a standard return policy of 30 days for refund or replacement. Additionally, EU spare part availability is guaranteed for 3 years.

Customer Support

For any questions, technical assistance, or warranty claims, please contact UMI customer support through the retailer's platform or visit the official UMI store page for contact information.

Visit the UMI Store for more products and support.

Product Videos

UMI Step Up Down Voltage Converter - Heavy Duty Transformer

Video: An official product video from UMISOUND demonstrating the features and heavy-duty nature of the UMI voltage converter.

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