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› [Simran](#) /

› [Simran AC-1500 1500W Step Up/Down Voltage Converter Transformer User Manual](#)

Simran AC-1500

Simran AC-1500 1500W Step Up/Down Voltage Converter Transformer User Manual

Model: AC-1500 | Brand: Simran

INTRODUCTION

The Simran AC-1500 is a heavy-duty, continuous-use voltage converter transformer designed for worldwide use. It allows you to convert single-phase 110V/120V to 220V/240V (Step Up) or 220V/240V to 110V/120V (Step Down). This unit is compatible with both 50Hz and 60Hz electrical systems, making it ideal for operating various electronics, household appliances, and heavy-duty machinery across different regions. Please read this manual thoroughly before operating the device to ensure safe and efficient use.

SAFETY INSTRUCTIONS

- Always ensure the voltage converter's wattage capacity is at least **double** the wattage of the appliance you intend to use. For heating appliances, laser printers, and power tools, which have high power surges, select a converter with **3 to 4 times** the appliance's rated wattage.
- Do not overload the converter. Overloading can cause damage to the unit and connected appliances, and poses a fire hazard.
- Ensure the converter is placed on a stable, flat surface with adequate ventilation. Do not block ventilation openings.
- Keep the unit away from water, moisture, and extreme temperatures.
- Do not open the converter casing. There are no user-serviceable parts inside, except for fuse replacement.
- Always unplug the converter from the power source before connecting or disconnecting any appliances or performing maintenance.
- This unit is designed for indoor use only.
- Keep out of reach of children.

PACKAGE CONTENTS

Verify that all items are present in the package:

- Simran AC-1500 Voltage Converter Transformer
- Insulated power cord with grounded USA plug (hardwired)
- Grounded European Shucko plug adapter
- Two (2) spare fuses

PRODUCT FEATURES

The Simran AC-1500 features a robust design for reliable voltage conversion.



Image Description: This image displays the front panel of the Simran AC-1500 voltage converter. It features a 110V output socket, two 220V output sockets (one universal, one European Shucko), an ON/OFF power switch with an indicator light, and the Simran brand logo with the model number AC-1500W. The unit is black with a carrying handle on top. Two spare fuses are shown next to the unit.

- **Step Up/Down Functionality:** Converts 110V/120V to 220V/240V or 220V/240V to 110V/120V.
- **Universal Compatibility:** Works with both 50Hz and 60Hz frequencies.
- **Multiple Output Sockets:** One 110V/120V outlet and two 220V/240V outlets (one USA patented universal, one European Shucko).
- **Power Switch:** Convenient ON/OFF switch with an indicator lamp.
- **Fuse Protected:** Integrated fuse protection for safety, with two spare fuses included.
- **Durable Construction:** Features a metal casing for enhanced durability.

- **CE Certified:** Meets European safety standards.

SETUP

1. **Unpack the Unit:** Carefully remove the converter from its packaging and inspect it for any damage.
2. **Placement:** Place the converter on a dry, stable, and well-ventilated surface. Ensure there is sufficient space around the unit for heat dissipation.
3. **Determine Voltage Conversion:** Identify whether you need to Step Up (e.g., 110V appliance in a 220V country) or Step Down (e.g., 220V appliance in a 110V country). The switch for this selection is located on the back of the unit. **Ensure this switch is set correctly before plugging in the unit.**
4. **Connect to Power Source:** Plug the converter's hardwired power cord into the appropriate wall outlet. If using in Europe or Asia, attach the provided European Shucko plug adapter to the USA plug.
5. **Connect Appliance:** With the converter's power switch in the OFF position, plug your appliance into the corresponding output socket on the front panel (110V or 220V).

OPERATING INSTRUCTIONS

1. **Verify Connections:** Double-check that the Step Up/Down switch on the back is correctly set and your appliance is plugged into the correct output socket.
2. **Power On:** Flip the ON/OFF switch on the front panel to the ON position. The indicator lamp will illuminate.
3. **Operate Appliance:** Turn on your connected appliance.
4. **Power Off:** When finished, turn off your appliance first, then flip the converter's ON/OFF switch to the OFF position.
5. **Disconnect:** Unplug the appliance from the converter, then unplug the converter from the wall outlet.

Important Considerations:

- **Wattage Matching:** Always ensure the total wattage of all connected appliances does not exceed the converter's rated capacity (1500 Watts for this model), considering the recommended slack (100% for general use, 300-400% for surge-prone devices).
- **Frequency (Hz):** The converter transforms voltage but **does not change the frequency (Hz)**. If your input power is 50Hz, the output will be 50Hz. If input is 60Hz, output will be 60Hz. Most modern electronics are compatible with both 50Hz and 60Hz. However, some motor-driven appliances may be sensitive to frequency differences. Always check your appliance's specifications for frequency compatibility.

MAINTENANCE

- **Cleaning:** Ensure the unit is unplugged and cool before cleaning. Wipe the exterior with a soft, dry cloth. Do not use liquid cleaners or solvents.

- **Ventilation:** Regularly check that the ventilation openings are clear of dust and debris to prevent overheating.
- **Fuse Replacement:** If the converter stops functioning, the fuse may have blown due to an overload. To replace the fuse:
 - a. Unplug the converter from the wall outlet and disconnect all appliances.
 - b. Locate the fuse holder, typically on the back or side of the unit.
 - c. Twist or pull out the fuse holder.
 - d. Replace the blown fuse with one of the same type and rating (e.g., from the included spare fuses).
 - e. Securely reinsert the fuse holder.
 - f. If the fuse blows again immediately, there may be an issue with the connected appliance or an internal fault. Discontinue use and contact support.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Converter does not power on.	No power from wall outlet. Blown fuse. Power switch is OFF.	Check wall outlet with another device. Replace the fuse (refer to Maintenance section). Ensure the ON/OFF switch is in the ON position.
Appliance does not work.	Incorrect voltage setting (Step Up/Down switch). Appliance not plugged in correctly. Appliance is faulty. Converter overloaded.	Verify the Step Up/Down switch on the back is set correctly. Ensure appliance is fully plugged into the correct output socket. Test appliance directly if possible. Reduce the load on the converter; ensure total wattage is within limits.
Converter overheats.	Overloaded. Poor ventilation.	Reduce the load on the converter. Ensure unit is in a well-ventilated area and vents are not blocked.
Humming noise.	Normal operation for transformers.	A slight humming sound is normal. If it is excessively loud or accompanied by other issues, contact support.

SPECIFICATIONS

Feature	Detail
Model	AC-1500
Brand	Simran
Wattage	1500 Watts (Continuous Use)

Feature	Detail
Input Voltage	110V/120V or 220V/240V (selectable)
Output Voltage	110V/120V and 220V/240V
Frequency	50Hz / 60Hz compatible (output frequency matches input)
Output Sockets	1x 110V/120V (USA standard) 2x 220V/240V (1x Universal, 1x European Shucko)
Dimensions (L x W x H)	11 x 9.5 x 8 inches
Weight	19.25 pounds
Certifications	CE Certified
Included Components	Voltage transformer, 2 spare fuses, European Shucko plug adapter
UPC	810128010856

WARRANTY INFORMATION

Simran products are manufactured to high-quality standards. For specific warranty details, including coverage period and terms, please refer to the warranty card included with your purchase or visit the official Simran website. Keep your proof of purchase for any warranty claims.

SUPPORT

If you encounter any issues or have questions regarding your Simran AC-1500 Voltage Converter Transformer that are not addressed in this manual, please contact Simran customer support. Contact information can typically be found on the product packaging or the official Simran website.