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› Metasources 14.4V AC/DC Adapter User Manual for Huffy and Audi 12V Ride-On Toys

## Metasources SD-DC-120100

# Metasources 14.4V AC/DC Adapter User Manual

For Huffy 17298 Renegade ATV 4X4, 17589, 17589P, and Audi TT S Roadster 12V Electric Ride-On Toys

## 1. INTRODUCTION

This manual provides instructions for the safe and effective use of your Metasources 14.4V AC/DC Adapter. This adapter is specifically designed to charge 12V rechargeable batteries found in compatible electric ride-on toys, including the Huffy 17298 Renegade ATV 4X4, Huffy 17589, Huffy 17589P, and Audi TT S Roadster. Please read this manual thoroughly before first use and retain it for future reference.

## 2. SAFETY INFORMATION

### Important Safety Precautions:

- **Compatibility:** This adapter is **ONLY** for 12V rechargeable batteries with a barrel round plug. Using it with incompatible devices or batteries (e.g., 24V batteries or different connector types) can cause damage to the adapter, the device, or pose a fire hazard. Always verify your device's voltage and connector type before connecting.
- **Indoor Use Only:** Do not expose the adapter to rain, moisture, or extreme temperatures.
- **Ventilation:** Ensure adequate ventilation around the adapter during use. Do not cover it.
- **Damage:** Do not use the adapter if the cord or plug is damaged. Contact customer support for a replacement.
- **Children:** Keep the adapter out of reach of children.
- **Disconnect:** Always disconnect the adapter from the power outlet before cleaning or if it will be unused for an extended period.

This adapter features built-in safety protections including overcurrent protection (OCP), short-circuit protection (SCP), and overvoltage protection (OVP) for safe operation.



Image: This diagram illustrates the correct barrel round plug tip end for 12V rechargeable batteries (compatible) and examples of incompatible 24V battery connectors.

### 3. PRODUCT OVERVIEW

The Metasources 14.4V AC/DC Adapter is a compact and reliable power supply designed for charging specific 12V electric ride-on toys. It converts standard household AC power to the DC voltage required by your device's battery.

# Barrel Round Plug Tip End

Please Confirm your Device Interface Type



12V Rechargeable Battery



YES, COMPATIBLE



24V Rechargeable Battery



NO, INCOMPATIBLE

Image: The Metasources 14.4V AC/DC Adapter, showing the main unit, attached power cord, and barrel round connector.



Image: This graphic highlights the adapter's built-in multi-protection features, including Over Temperature, Over Voltage, Over Current, Over Charge, Short Circuit, and Over Load Protection.

## 4. SETUP

Follow these steps to set up your AC/DC adapter:

1. **Verify Compatibility:** Before connecting, ensure your ride-on toy requires a 12V power supply and has a barrel round charging port. Refer to your toy's original manual for specifications.
2. **Connect to Device:** Insert the barrel round connector of the Metasources adapter firmly into the charging port of your ride-on toy.
3. **Connect to Power Outlet:** Plug the AC adapter into a standard 100-240V AC wall outlet.

The adapter is designed for a space-saving fit, allowing other outlets to remain accessible.



Image: The adapter's compact design ensures it occupies only one outlet, leaving adjacent outlets free for other devices.

## 5. OPERATING INSTRUCTIONS

Once connected, the adapter will begin charging the battery of your ride-on toy. Most ride-on toys have an indicator light to show charging status (refer to your toy's manual). Charge the battery according to the manufacturer's recommendations for your specific ride-on toy.

### Charging Tips:

- Avoid overcharging by disconnecting the adapter once the battery is fully charged, if your toy's system does not automatically stop charging.
- Do not leave the battery completely discharged for extended periods.

## 6. MAINTENANCE

To ensure the longevity and proper function of your Metasources AC/DC Adapter:

- **Cleaning:** Disconnect the adapter from the power outlet and the device before cleaning. Wipe with a dry, soft cloth. Do not use liquid cleaners.
- **Storage:** Store the adapter in a cool, dry place when not in use. Avoid wrapping the cable too tightly.
- **Cable Care:** Avoid sharp bends or kinks in the cable. The cable is designed for durability, having undergone extensive bending tests.

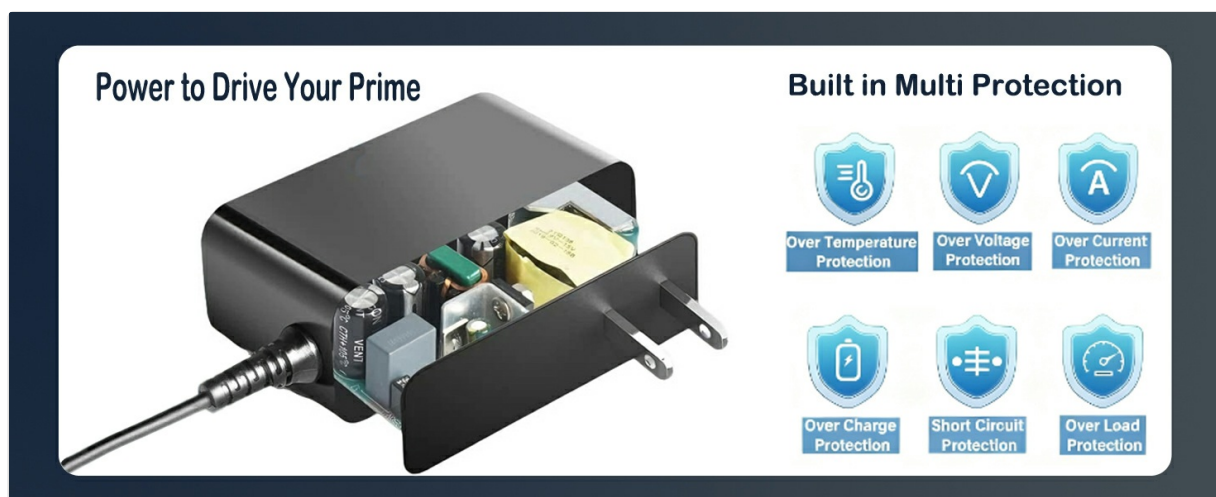


Image: This graphic illustrates the robust construction of the adapter's cable, featuring high-quality copper wire and PVC

insulation, and highlights the pure copper plates used for efficient heat dissipation within the adapter.

## 7. TROUBLESHOOTING

If the adapter is not functioning as expected, consider the following:

- **No Power Indicator:** Ensure the adapter is securely plugged into a working wall outlet and the device. Test the outlet with another appliance.
- **Not Charging:** Double-check that the barrel plug is fully inserted into the device's charging port. Confirm that your device is indeed a 12V system and uses a barrel round connector.
- **Device Compatibility:** Re-verify that your ride-on toy model is listed as compatible with this adapter. This adapter is specifically for 12V systems.
- **Damaged Cable/Adapter:** Inspect the cable and adapter for any visible signs of damage. If damaged, discontinue use and contact customer support.

## 8. SPECIFICATIONS

<b>Brand</b>	Metasources
<b>Model Number (Adapter)</b>	SD-DC-120100
<b>Input Voltage</b>	100-240V AC, 50/60Hz
<b>Output Voltage</b>	12V DC, 1000mA (1A)
<b>Connector Type</b>	Barrel Round Connector
<b>Compatible Devices</b>	Huffy 17298 Renegade ATV 4X4, 17589, 17589P, Audi TT S Roadster Electric Battery Powered Ride On Toy Car Vehicle Quad (12V-BATT)
<b>Special Features</b>	Short Circuit Protection, Overvoltage Protection, Overcurrent Protection, Overcharge Protection, Overload Protection, Temperature Control
<b>Included Components</b>	1 AC Adapter
<b>Color</b>	Black
<b>Item Weight</b>	4 Ounces

## 9. WARRANTY AND SUPPORT

**Warranty:** This Metasources AC/DC Adapter is backed by a 30-day refund policy and a 24-month exchange warranty from the date of purchase. This warranty covers manufacturing defects and ensures reliable performance.

**Customer Support:** For any questions, troubleshooting assistance, or warranty claims, please contact Metasources customer support through the retailer where the product was purchased. Please have your purchase details and product model number (SD-DC-120100) available when contacting support.

