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› Meiyue Adjustable Power Supply (Model US-Adjustable 5A) Instruction Manual

Meiyue US-Adjustable 5A

Meiyue Adjustable Power Supply

MODEL: **US-ADJUSTABLE 5A**

Introduction

The Meiyue Adjustable Power Supply (Model US-Adjustable 5A) is a versatile AC/DC power adapter designed to provide a stable and adjustable power source for a wide range of electronic devices. It features an input voltage range of 100V-240V AC and an adjustable output voltage from 3V to 24V DC, with a maximum current output of 5A and a maximum power output of 120W. The integrated LED display shows the real-time output voltage, allowing for precise control and preventing damage to connected devices.

This power supply is equipped with multiple safety features, including over-voltage, over-current, over-temperature, and short-circuit protection, ensuring safe and reliable operation. Its compact design and comprehensive set of DC connectors make it suitable for various applications, from LED strip lights and printers to speakers and DIY projects.

Adjustable 3V~24V 5A 120W Universal Power Adapter



Figure 1: Meiyue Adjustable Power Supply with its key specifications and adjustable voltage knob.

What's in the Box

Your Meiyue Adjustable Power Supply package includes the following items:

- 1x 3V~24V Switch Power Adapter
- 14x DC Output Connectors (various sizes)
- 1x Reversed Polarity Cable

14 DC Outlets & Reverse Polarity Wire

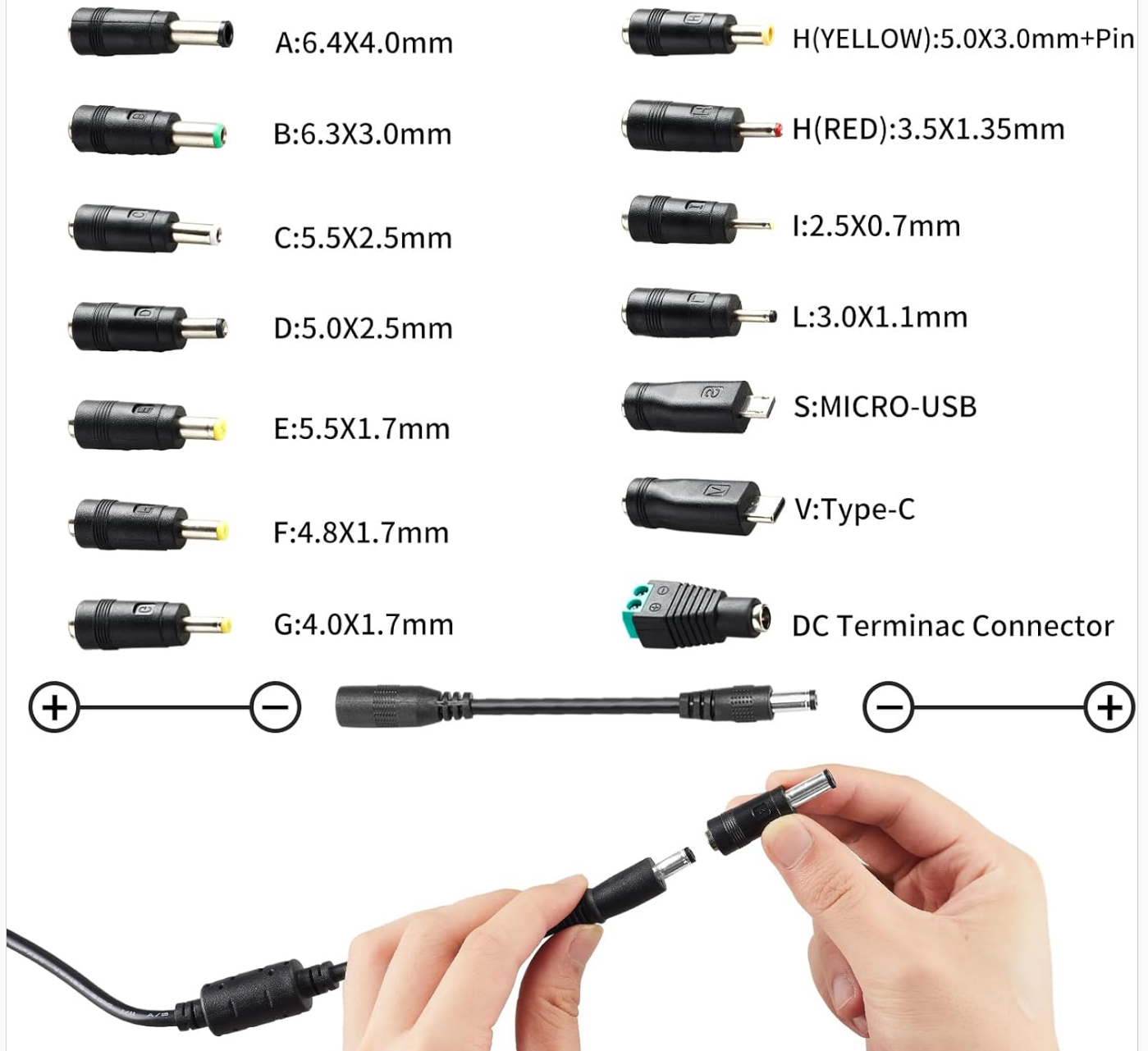


Figure 2: The power supply comes with 14 different DC output connectors and a reverse polarity cable for broad compatibility.

Setup

- 1. Identify Device Voltage and Current Requirements:** Before connecting, verify the voltage (V) and current (A) requirements of your electronic device. Ensure the device's requirements do not exceed 24V, 5A, or 120W.
- 2. Select the Correct DC Connector:** Choose one of the 14 provided DC output connectors that matches your device's input port. The common 5.5x2.1mm plug is pre-attached to the adapter cable. If a different size is needed, attach the appropriate connector to the adapter cable.
- 3. Check Polarity:** Most devices use a center-positive polarity. The Meiyue power supply is typically center-positive. If your device requires center-negative polarity, use the included reversed polarity cable. Incorrect polarity can damage your device.
- 4. Set Output Voltage:** Before plugging into your device, connect the power adapter to an AC outlet. Turn the voltage adjustment knob to set the desired output voltage. The LED display will show the real-time voltage. **Always set the voltage to match your device's requirement before connecting the device.**

5. **Connect to Device:** Once the correct voltage is set, plug the DC connector into your electronic device.



Figure 3: Adjusting the voltage using the rotary knob and observing the value on the LED display.

Operating Instructions

1. **Power On:** Plug the AC input cable into a standard 100V-240V AC wall outlet. The LED display on the adapter will illuminate, showing the current output voltage.
2. **Adjusting Voltage:** Rotate the prominent knob on the adapter to increase or decrease the output voltage. The LED display will update in real-time to reflect the selected voltage. Adjust the voltage slowly and carefully to avoid overshooting your device's requirements.
3. **Monitoring Voltage:** The built-in LED display provides continuous monitoring of the output voltage. This feature helps ensure that your device receives the correct power and allows for immediate adjustments if needed.
4. **Power Off:** To turn off the power supply, unplug it from the AC wall outlet. Note that the LED display may remain lit for a short period as residual power dissipates.

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Video 1: Demonstration of the Meiyue Adjustable Power Supply's voltage adjustment feature and real-time display, showing its functionality with a multimeter.

Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the power supply. Do not use liquid cleaners or aerosols.
- **Storage:** Store the power supply in a cool, dry place away from direct sunlight and moisture when not in use.
- **Handling:** Avoid dropping or subjecting the power supply to strong impacts. Do not attempt to open the casing, as this may void the warranty and expose you to electrical hazards.
- **Ventilation:** Ensure the power supply has adequate ventilation during operation to prevent overheating. Do not cover it with cloths or place it in enclosed spaces.

Troubleshooting

- **No Power/LED Display Off:**
 - Check if the AC power cord is securely plugged into both the wall outlet and the power adapter.
 - Verify that the wall outlet is functional by plugging in another device.
- **Voltage Not Changing/Stuck:**
 - If the voltage display remains static despite turning the adjustment knob, try unplugging the unit from the AC outlet for a few minutes and then plugging it back in.
 - Ensure no excessive load is connected that might prevent proper voltage regulation.
- **Power Supply Stays On After Unplugging:**
 - A brief residual glow on the LED display after unplugging is normal as capacitors discharge. If it remains lit for

an extended period (more than a few seconds), contact support.

- **Device Not Powering On:**
 - Confirm the output voltage is correctly set to your device's requirement.
 - Ensure the DC connector is fully inserted and the polarity is correct for your device.
 - Check if your device's current or wattage requirements exceed the power supply's maximum (5A, 120W).
- **Overheating:**
 - Disconnect the power supply immediately. Allow it to cool down.
 - Ensure proper ventilation and that the load connected is within the specified limits.

Specifications

Feature	Specification
Brand	Meiyue
Model Number	US-Adjustable 5A
Input Voltage	AC 100-240V, 50/60Hz
Output Voltage	DC 3-24V (Adjustable)
Max Output Current	5 Amps
Max Output Wattage	120 Watts
Connector Type	Barrel Connector (with 14 DC tips)
Special Features	Short Circuit Protection, Voltage Adjustable, Overload Protection, Over Current Cut-off, Over Temperature Cut-off
Color	Black
Material	Thermoplastic Elastomer (TPE)
Certifications	FCC, CE, RoHS
Item Weight	0.55 Kilograms

Warranty and Support

This product does not come with an explicit warranty description in the provided information. However, for any inquiries about this product or questions regarding after-sale support, please feel free to contact the manufacturer. Support is available 24 hours a day.

For further assistance, please visit the [Meiyue Store on Amazon](#).

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question