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> Meiyue 12V 2A Power Supply with LED Dimmer Switch Instruction Manual

Meiyue XSG-1202000HUS

Meiyue 12V 2A Power Supply with LED Dimmer Switch Instruction Manual

Model: XSG-1202000HUS

1. PRODUCT OVERVIEW

The Meiyue 12V 2A Power Supply with LED Dimmer Switch is designed to provide a stable 12V DC power source for various electronic devices, particularly LED strip lights. It includes an inline dimmer switch for brightness control and a DC female connector for versatile applications.

1.1 What's Included

- 1 x 12V 2A Power Supply (Model: XSG-1202000HUS)
- 1 x LED Dimmer Switch
- 1 x DC Female Connector

1.2 Key Features

- **Universal Input:** AC 100-240V, 50/60Hz.
- **Stable Output:** DC 12V 2A / 24W Max.
- **Adjustable Brightness:** 0-100% dimming with the included LED dimmer switch.
- **UL Safety Certified:** Manufactured with high-quality materials and strict quality testing.
- **Multiple Protections:** Features overcurrent, overvoltage, overtemperature, short circuit, and electromagnetic wave protection.
- **Standard DC Connector:** 5.5mm x 2.1mm.



Figure 1: Product Specification Overview. This image provides a visual representation of the product's electrical specifications, including input, output, max power, max current, output voltage, polarity, and DC connector size.

2. SETUP INSTRUCTIONS

Follow these steps to correctly set up your Meiyue 12V 2A Power Supply and LED Dimmer Switch:

1. **Connect the Power Supply:** Plug the AC input of the 12V 2A power supply into a standard wall outlet (AC 100-240V).
2. **Connect the Dimmer Switch:** Connect the male DC plug from the power supply to the female DC jack of the LED dimmer switch.
3. **Prepare the DC Female Connector (if needed):** If your device does not have a standard 5.5mm x 2.1mm DC male plug, use the included DC female connector. Connect the positive (+) wire of your device to the '+' terminal on the connector and the negative (-) wire to the '-' terminal. Ensure correct polarity.
4. **Connect to Device:** Connect the male DC plug from the LED dimmer switch (or the prepared DC female connector) to your 12V DC device (e.g., LED strip light).
5. **Verify Connections:** Ensure all connections are secure before operating the device.

Your browser does not support the video tag.

Video 1: 12V 2A Power Supply with Switch Demonstration. This video provides a visual guide on the components of the 12V 2A power supply, including the on/off switch and DC female barrel connector, and shows how to connect it to an LED strip light.

Product Specification



Input	100V-240V AC,50/60Hz 0.8A Max
Output	12V DC,2A Max
Max Power	24W
Max Current	2A
Output Voltage	12V(Max)
Polarity	Inside positive(+) outside negative(-)
DC Connector	5.5mm*2.1mm

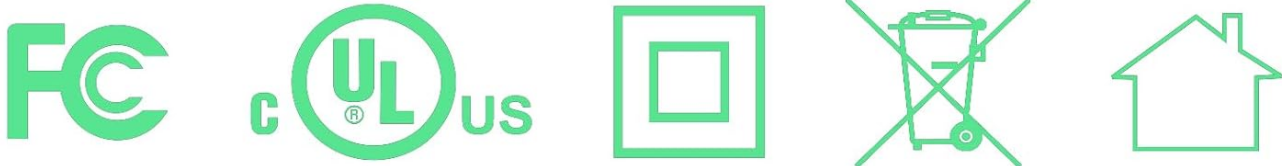


Figure 2: Meiyue 12V 2A Power Supply. The Meiyue 12V 2A Power Supply unit, featuring a standard US plug, attached cable, and DC barrel connector.

Product Size

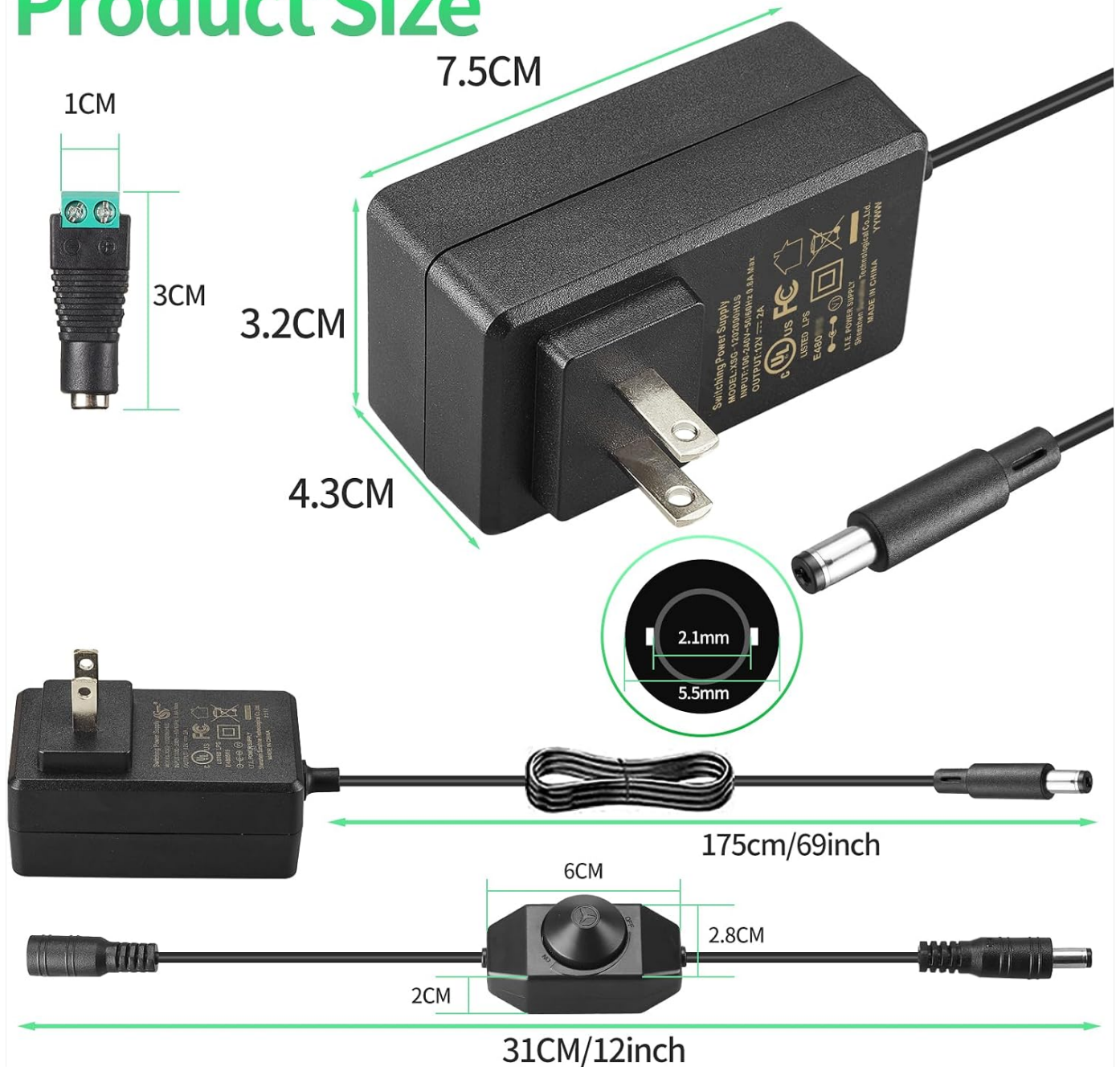


Figure 3: Product Dimensions. Detailed dimensions of the power adapter, DC connector (5.5mm x 2.1mm), and the LED dimmer switch for reference.

3. OPERATING INSTRUCTIONS

The LED dimmer switch allows for easy control of your connected 12V LED devices.

1. **Turn On/Off:** Rotate the knob on the LED dimmer switch clockwise until it clicks to turn the connected device ON. Rotate counter-clockwise until it clicks to turn the device OFF.
2. **Adjust Brightness:** Once the device is ON, continue rotating the knob clockwise to increase brightness and counter-clockwise to decrease brightness. The dimmer supports 0-100% brightness adjustment.

12V2A LED Light Dimmer(Switch)



Figure 4: LED Dimmer Switch. The inline LED dimmer switch allows for brightness adjustment from 0-100% and includes an ON/OFF function.

Adjusting The Brightness To Create A Variety Of Atmosphere



Figure 5: Adjusting Brightness. Visual guide on how to use the dimmer switch to adjust the brightness of connected LED lights, from off to full intensity.

4. MAINTENANCE

To ensure the longevity and safe operation of your power supply and dimmer switch, follow these maintenance guidelines:

- **Cleaning:** Disconnect the power supply from the outlet before cleaning. Use a dry, soft cloth to wipe the surfaces. Do not use liquid cleaners or sprays.
- **Storage:** Store the unit in a cool, dry place away from direct sunlight and moisture when not in use for extended periods.
- **Inspection:** Periodically inspect the cables and connectors for any signs of damage, fraying, or loose connections. Replace if necessary.
- **Ventilation:** Ensure the power supply unit has adequate ventilation and is not covered, as this can lead to overheating.

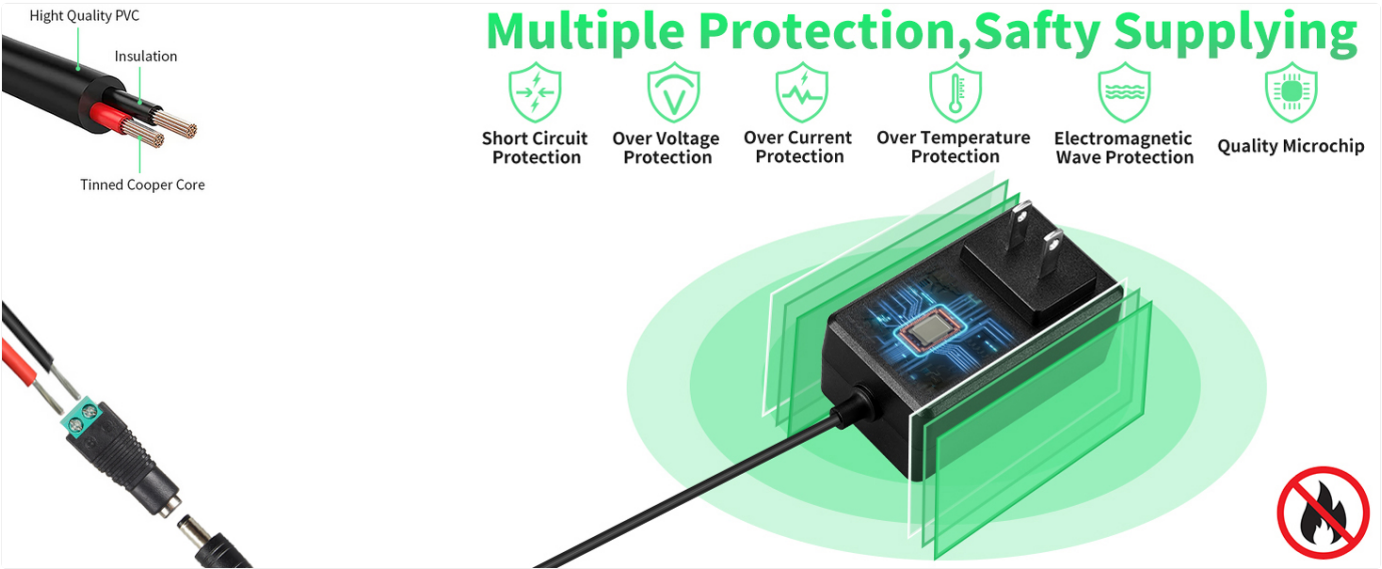


Figure 6: Multiple Security Protections. The power supply is designed with robust safety features to protect against various electrical hazards.

5. TROUBLESHOOTING

If you encounter issues with your power supply or dimmer, refer to the following table for common problems and solutions:

Problem	Possible Cause	Solution
Device does not power on.	No power from outlet; loose connection; incorrect polarity; faulty device.	Check wall outlet with another device. Ensure all connections are secure. Verify DC connector polarity (+ inside, - outside). Test the device with another compatible power source if possible.

Problem	Possible Cause	Solution
LEDs are flickering or unstable.	Incompatible dimmer; power supply overloaded; faulty LED strip.	Ensure the dimmer is fully compatible with your LED strip. Verify the total wattage of your LED strip does not exceed 24W. Test the LED strip with a different power source.
Dimmer does not turn off the lights completely.	Dimmer design limitation; incompatible LED strip.	Some dimmers may not provide a complete 'off' state for all LED types. Ensure the dimmer knob is rotated fully counter-clockwise until it clicks to engage the OFF function. If the issue persists, consider adding an external on/off switch if a complete power cut is required.
Power supply gets excessively hot.	Overload; poor ventilation.	Ensure the connected device's power consumption does not exceed 24W. Provide adequate ventilation around the power supply unit. Disconnect immediately if overheating occurs.

6. SPECIFICATIONS

Specification	Value
Input Voltage	AC 100-240V, 50/60Hz
Output Voltage	DC 12V
Output Current	2A (Max)
Output Power	24W (Max)
DC Connector Size	5.5mm x 2.1mm
DC Connector Polarity	Inside Positive (+), Outside Negative (-)
Product Dimensions	1.26 x 1.69 x 2.95 inches
Item Weight	5.9 ounces
Safety Certifications	UL Listed, FCC, CE
Included Components	1*12V2A Power Supply; 1*LED Dimmer; 1*DC Female Connector.

Compatible With Multiple Devices



LED Strip Light

LED Switch/LED Dimmer

12V2A Power Adapter



Printer



LED Strip Light



Fan



Humidifiers



Speaker Box



Table Lamp



Wireless Router



Figure 7: Compatible Devices. This power adapter is compatible with a wide range of 12V devices such as LED strip lights, printers, routers, CCTV cameras, and audio equipment.

7. WARRANTY AND SUPPORT

Meiyue is committed to providing high-quality products and customer satisfaction. If you have any questions or require assistance with your 12V 2A Power Supply, please contact our customer service team.

- **Customer Service:** Our service staff are available 24 hours to reply to your emails for any pre-purchase or after-sales inquiries.
- **Warranty:** Please refer to the product packaging or contact customer support for specific warranty details.

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.

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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.

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