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› [ELEGOO 9V 1A AC/DC Power Adapter \(Model EL-CP-026\) Instruction Manual](#)

## ELEGOO EL-CP-026

# ELEGOO 9V 1A AC/DC Power Adapter (Model EL-CP-026) Instruction Manual

Your guide to safe and effective use of your ELEGOO power adapter.

## 1. PRODUCT OVERVIEW

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The ELEGOO AC 100V-240V Converter Adapter is a regulated 9V 1A DC power supply designed for various electronic projects and devices. It features a US plug and a 5.5mm x 2.1mm barrel connector with a center-positive polarity. This adapter is certified by UL, FCC, and CE, ensuring safety and quality.



Image 1.1: The ELEGOO 9V 1A AC/DC Power Adapter, showing the US plug and barrel connector.

### Key Features:

- Fully US Regulated Power Supply Adapter.
- Center-positive polarity (5.5mm x 2.1mm barrel connector).
- Automatically converts international voltages (100V-240V AC input).
- Provides up to 1A output at 9V DC.
- UL, FCC, CE certified for safety.

## 2. COMPATIBILITY

This power adapter is designed for devices requiring 9V DC power with a maximum current draw of 1000mA (1A) and a 5.5mm x 2.1mm center-positive barrel connector. It is compatible with:

- Arduino UNO R3
- Arduino Mega 2560
- Arduino 1280
- Arduino CCTV

## Compatible

- ✓ Arduino UNO
- ✓ Arduino MEGA 2560
- ✓ Arduino DUE
- ✓ Arduino Leonardo
- ✓ Fit most 9V projects with a center-positive 5.5 X 2.5mm connector

- ✗ Pedals
- ✗ Guitar tuner
- ✗ Piano keyboards
- ✗ Radio set

- Other devices that require 9V and 1000mA DC power with a 5.5mm x 2.1mm center-positive plug.

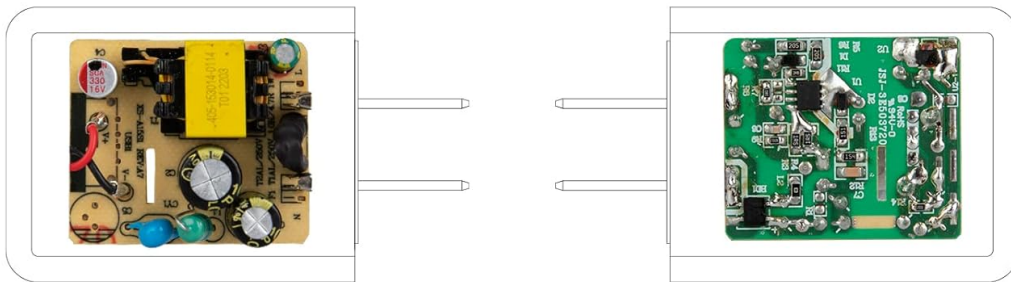
## SUPERIOR SAFETY

✓ Short Circuit Prevention

✓ Current Stabilizer

✓ Temperature Control

✓ Surge Protection



Multi-Protect safety system ensures complete protection  
for you and your devices

Image 2.1: Visual representation of compatible and incompatible devices, highlighting the 5.5mm x 2.1mm connector size and center-positive polarity.

**Important Note:** This adapter is **NOT** suitable for:

- Effects Pedals, Drum machines, DJ controllers, Piano keyboards, Label makers, and other equipment with negative-tip power ports.
- Devices that require minimal electromagnetic interference, such as radio sets.
- Devices requiring a different voltage, current, or connector size (e.g., 5.5mm x 2.5mm).

# HOW TO CHOOSE THE POWER ADAPTER

## 01 Voltage    02 Current    03 Interface



Image 2.2: Guide on how to select the correct power adapter by verifying voltage, current, and interface (connector size).

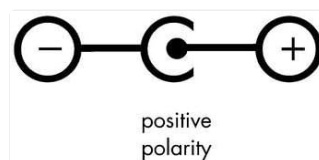


Image 2.3: Diagram illustrating the center-positive polarity of the barrel connector, where the inner pin is positive and the outer sleeve is negative.

### 3. SETUP AND INSTALLATION

- 1. Verify Device Requirements:** Before connecting, ensure your device requires 9V DC power, draws no more than 1A, and uses a 5.5mm x 2.1mm center-positive barrel connector. Incorrect voltage, current, or polarity can damage your device.
- 2. Connect to Device:** Insert the barrel connector of the ELEGOO power adapter into the DC input jack of your compatible device.
- 3. Plug into Power Outlet:** Insert the US plug of the power adapter into a standard AC 100V-240V wall outlet.
- 4. Power On Device:** Once connected, power on your device as per its own instructions.

The adapter is designed for simple plug-and-play operation. No additional configuration is typically required.

### 4. OPERATING INSTRUCTIONS

Once properly set up, the ELEGOO 9V 1A power adapter operates automatically. It provides a stable 9V DC output to your connected device. The adapter features a Multi-Protect safety system to ensure complete protection for both the adapter and your devices.



Image 4.1: Internal view of the power adapter, illustrating the components responsible for its superior safety features like short circuit prevention and surge protection.

### Safety Features:

- Short Circuit Prevention
- Current Stabilizer
- Temperature Control
- Surge Protection

## 5. MAINTENANCE

To ensure the longevity and optimal performance of your ELEGOO power adapter, follow these simple maintenance guidelines:

- **Keep Clean:** Wipe the adapter with a dry, soft cloth. Avoid using liquid cleaners or solvents.
- **Avoid Physical Damage:** Do not drop, bend, or expose the adapter to excessive force. Ensure the cable is not kinked or pinched.
- **Storage:** Store the adapter in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Unplug When Not in Use:** For extended periods of non-use, unplug the adapter from both the wall outlet

and the device.

## 6. TROUBLESHOOTING

If you encounter issues with your ELEGOO power adapter, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Device does not power on.	Adapter not fully plugged in. Wall outlet is not active. Incorrect voltage/current/polarity for device. Device fault.	Ensure adapter is securely plugged into both the device and the wall outlet. Test the wall outlet with another known working appliance. Double-check your device's power requirements against the adapter's specifications (9V, 1A, center-positive 5.5mm x 2.1mm). Test the device with another compatible power adapter if available.
Adapter gets unusually hot.	Device drawing too much current. Poor ventilation.	Ensure your device's current draw does not exceed 1A. Place the adapter in a well-ventilated area. Discontinue use if overheating persists.
Connector does not fit.	Incorrect connector size.	Verify your device requires a 5.5mm x 2.1mm barrel connector. This adapter is not compatible with 5.5mm x 2.5mm or other sizes.

If the problem persists after attempting these solutions, please contact ELEGOO customer support.

## 7. SPECIFICATIONS

Feature	Detail
Brand	ELEGOO
Model Number	EL-CP-026
Input Voltage	AC 100V-240V
Output Voltage	DC 9V
Output Current	1A (1000mA)
Wattage	15 Watts
Connector Type	Barrel Connector
Connector Size	5.5mm x 2.1mm
Polarity	Center Positive
Plug Type	Type A - US style (2 Pin)
Certifications	UL, FCC, CE
Material	Plastic
Color	White

# CERTIFICATE

The image displays three official certification documents for the ELEGOO power adapter. On the left is a UL 'NOTICE OF COMPLETION AND AUTHORIZATION TO APPLY THE UL MARK' for a power adapter, issued to Shenzhen ELEGOO Technology Co., Ltd. in the middle of 2024. In the center is a TÜV Rheinland 'CB TEST CERTIFICATE' for a power adapter, issued on 07 Dec 2024, covering various international standards. On the right is a CE 'CERTIFICATE of Conformity' for EMC Directive 2014/53/EU, issued to Shenzhen ELEGOO Technology Co., Ltd. in 2024. The documents include technical specifications, test results, and compliance information.

Image 7.1: Official certifications for the ELEGOO power adapter, including UL, TÜV, and CE.

## 8. WARRANTY AND SUPPORT

### Warranty Information:

This ELEGOO power adapter comes with a **6-month warranty** from the date of purchase. This warranty covers manufacturing defects under normal use. It does not cover damage caused by misuse, accident, unauthorized modification, or improper installation.

### Customer Support:

For technical assistance, warranty claims, or any questions regarding your ELEGOO product, please contact ELEGOO customer support through their official website or the platform where the product was purchased. Please have your model number (EL-CP-026) and purchase details ready when contacting support. You can visit the official ELEGOO store for more information: [ELEGOO Official Store](#)