

## TOPPING P50

# TOPPING P50 Linear Power Supply User Manual

Model: P50

## 1. SAFETY INSTRUCTIONS

- Ensure the power supply is connected to a grounded outlet.
- Do not expose the device to water or excessive moisture.
- Avoid placing the device near heat sources or in direct sunlight.
- Do not open the casing; refer servicing to qualified personnel.
- Use only the specified voltage and current ratings to prevent damage.
- Keep out of reach of children.

## 2. PRODUCT OVERVIEW

### 2.1 Key Features

- **Linear Regulator:** The P50 is regulated with three TPS7A4700 ultra-low noise linear regulators, suitable for high-accuracy, high-precision instrumentation-level and HiFi applications.
- **High Power Reserve:** The 15V module provides over 10000uF capacitors, and the 5V modules provide over 8000uF capacitors in total, ensuring sufficient energy reserves.
- **Low Noise:** Features a sealed toroidal transformer with small magnetic leakage and low noise, designed to suppress EMC and noise, ideal for HiFi use.
- **Global Voltage Compatibility:** Supports 115V for AC 100V-120V 50/60 Hz and 230V for AC 220V-240V 50/60 Hz.
- **Compatibility:** Designed to pair with Topping devices such as E50, D50s, D50, D50s+A50, and DX3 Pro.

### 2.2 Package Contents

The TOPPING P50 package includes the following items:

- 1x TOPPING P50 Linear Power Supply Unit
- 1x AC Power Cable
- 1x 0.2m USB to DC Cable
- 1x 0.2m DC to DC Cable
- 1x 1.2m DC to DC Cable
- 1x User's Manual
- 1x Warranty Card

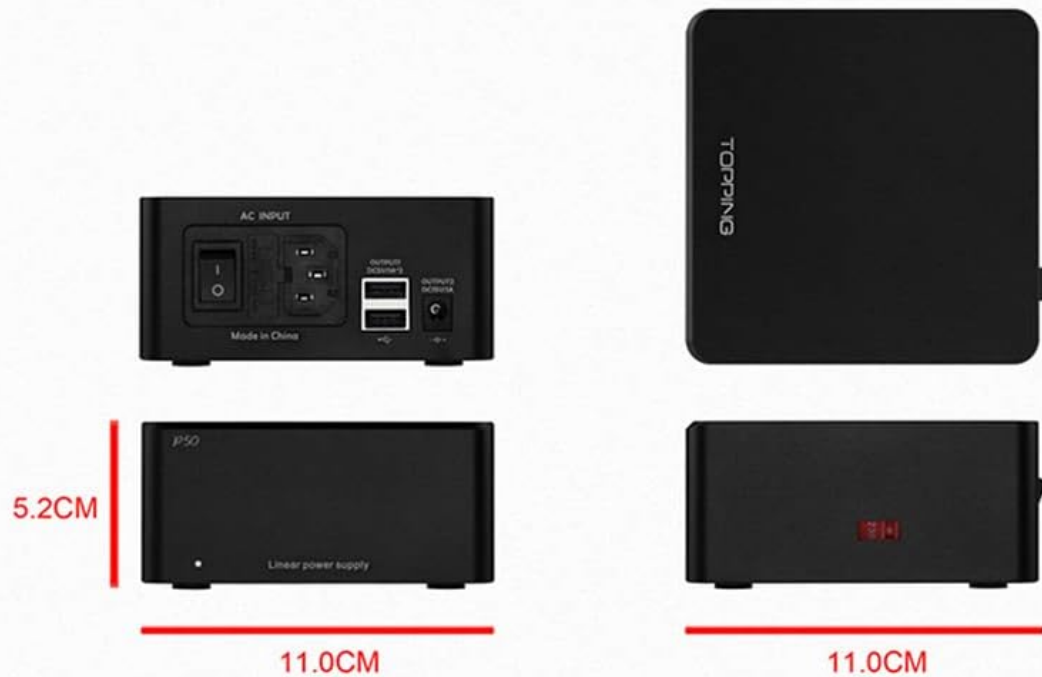


Image: TOPPING P50 package contents. This image displays the P50 unit, an AC power cable, a 0.2m USB to DC cable, a 0.2m DC to DC cable, a 1.2m DC to DC cable, a user's manual, and a warranty card.

### 3. SETUP

### 3.1 Unpacking and Placement

- Carefully remove the P50 unit and all accessories from the packaging.
- Place the P50 on a stable, flat surface, ensuring adequate ventilation around the unit.
- Avoid stacking other devices directly on top of the P50 if possible, to allow for heat dissipation.

### 3.2 Voltage Selection

The P50 is compatible with global voltages. Before connecting the AC power, ensure the voltage selector switch on the rear panel is set to the correct voltage for your region (115V for AC 100V-120V or 230V for AC 220V-240V).

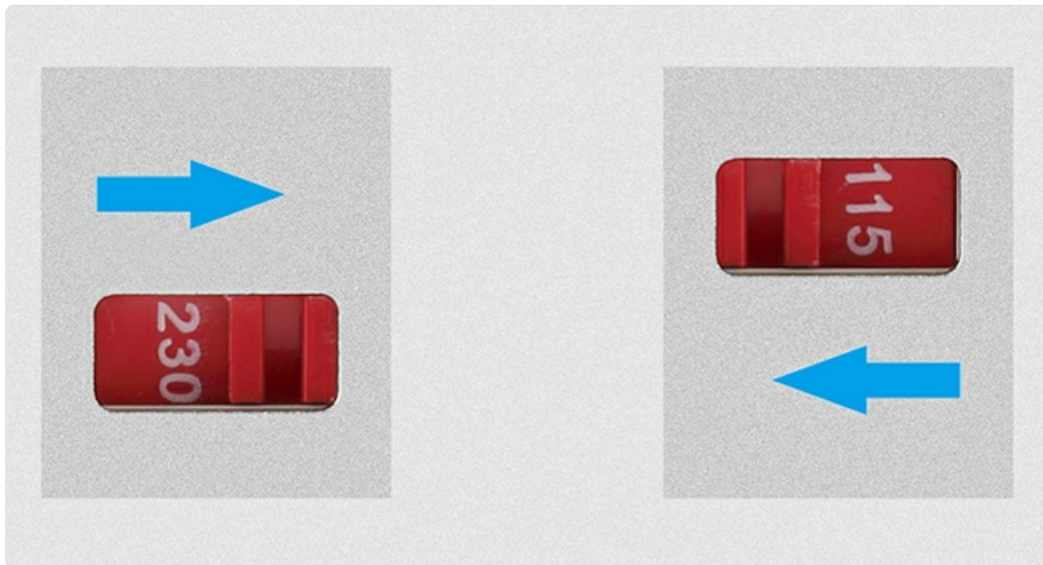
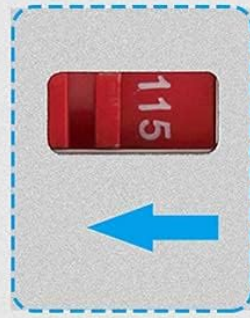


Image: Voltage selector switch. This image shows the voltage selector on the rear of the P50, indicating settings for 115V and 230V. Ensure this is correctly set for your local power grid.

### 3.3 Connecting to Audio Devices

The P50 provides two types of DC outputs: two 5V/1A USB-A outputs and one 15V/1A DC output (5.5/2.1mm barrel connector). Refer to your audio device's power requirements to select the appropriate output.

- **For 5V devices (e.g., Topping D50s, D50, E50):** Use the provided USB to DC cables to connect the P50's USB-A outputs to your device.
- **For 15V devices (e.g., Topping A50, DX3 Pro):** Use the provided DC to DC cable to connect the P50's 15V DC output to your device.



## Compatible with global voltage

115V for AC100V-120V 50/60Hz, 230V for AC220V-240v 50/60Hz.

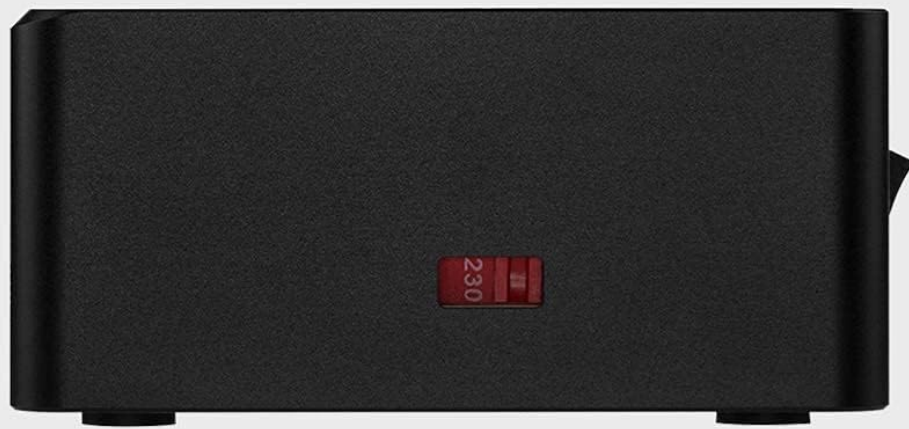


Image: Rear panel connections. This image highlights the AC input, power switch, two 5V USB-A outputs, and one 15V DC output on the rear of the P50.



Image: Example setup with Topping D50s and A50. This image shows the P50 connected to a D50s DAC and an A50 headphone amplifier, illustrating how these units can be stacked and powered.

## 4. OPERATING INSTRUCTIONS

### 4.1 Powering On/Off

- After all connections are made and the voltage selector is correctly set, connect the AC power cable to the P50 and then to a wall outlet.
- Flip the power switch on the rear panel to the 'ON' position. The indicator light on the front panel will illuminate.
- To power off, flip the power switch to the 'OFF' position.

### 4.2 Usage with Compatible Devices

The P50 is designed to provide clean, stable power to compatible audio devices, enhancing their performance by reducing noise. Once powered on, the connected devices will receive power. Refer to the individual manuals of your connected audio devices for their specific operating procedures.

Your browser does not support the video tag.

Video: TOPPING DX5 II DAC AMP Combo. This video showcases the features and usage of the TOPPING DX5 II, a compatible DAC/Amp combo that can benefit from a clean power supply like the P50. It demonstrates the user interface and connectivity options of a related Topping product.

## 5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the P50. Do not use liquid cleaners or aerosols.
- **Ventilation:** Ensure that the ventilation openings are not blocked to prevent overheating.
- **Cable Management:** Keep power and audio cables organized to prevent interference and accidental disconnections.
- **Storage:** If storing the unit for an extended period, disconnect it from power and store it in a cool, dry place.

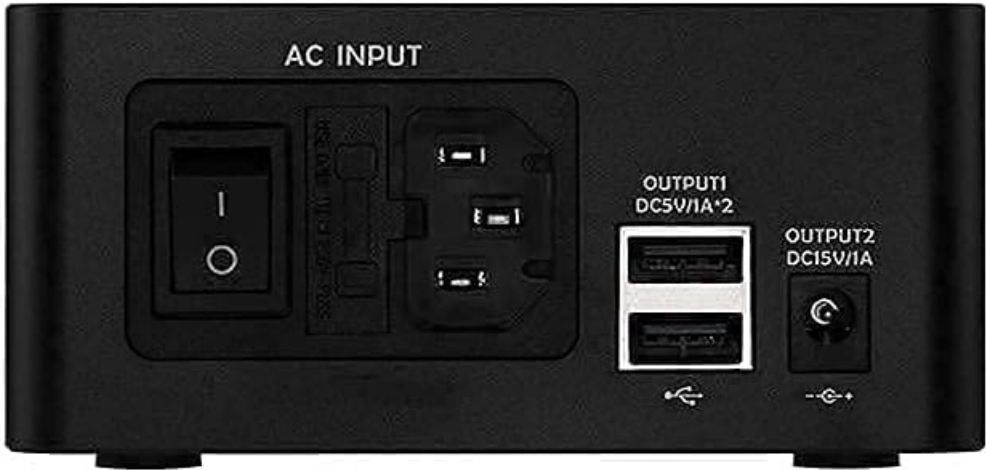
## 6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power indicator light	Power cable not connected, power switch off, incorrect voltage selection, or power outlet issue.	Check AC power cable connection. Ensure power switch is ON. Verify voltage selector setting. Test power outlet with another device.
Connected device not powering on	Incorrect DC cable connection, wrong voltage/current output selected, or device fault.	Ensure DC cables are securely connected. Confirm the correct 5V or 15V output is used for your device. Check your device's manual for its power requirements.
Humming or buzzing sound from audio system	Ground loop, interference, or faulty cabling.	Ensure all audio components are properly grounded. Try isolating the P50 from other power sources. Check audio cables for damage or loose connections.
P50 unit feels warm	Normal operation, especially under load. Insufficient ventilation.	This is often normal. Ensure adequate airflow around the unit. Do not block vents. If excessively hot, disconnect and contact support.

## 7. SPECIFICATIONS

Feature	Detail
Product Dimensions	11.0 cm x 11.0 cm x 5.2 cm (4.33 x 4.33 x 2.05 inches)
Item Weight	0.88 kg (1.94 pounds)
Power Input	AC 100V-120V 50/60 Hz (115V setting), AC 220V-240V 50/60 Hz (230V setting)
Power Output	2x USB-A (DC 5V/1A), 1x DC (5.5/2.1mm) (DC 15V/1A)

Feature	Detail
Power Supply Noise	< 1 mVrms
Material	Aluminum
Color	Black (also available in Silver)



Measured	11.0cm x 11.0cm x 5.2cm
Weight	0.88Kg
Power input	AC110V/AC220V 50Hz/60Hz*
Colour	Full black/Full silver
Power output	USB-A x 2、DC(5.5/2.1) x 1
Power supply noise	< 1 mVrms
Output Power*	DC5V 1A x 2
	DC15V 1A
	DC5V 1A x 1 + DC15V 0.9A
	DC5V 0.8A x 2 + DC15V 0.8A

Image: TOPPING P50 front and side view. This image shows the sleek design of the P50 unit.





Image: TOPPING P50 in black and silver. This image displays both color variants of the P50 linear power supply.

## 8. WARRANTY AND SUPPORT

The TOPPING P50 comes with a standard manufacturer's warranty. Please refer to the included Warranty Card for detailed terms and conditions, including warranty period and coverage.

For technical support, troubleshooting assistance, or warranty claims, please contact your authorized TOPPING dealer or visit the official TOPPING website for contact information.

Keep your purchase receipt and warranty card in a safe place as proof of purchase may be required for warranty service.