

SUNSHINE P-1503T

SUNSHINE P-1503T Analog Power Supply User Manual

Model: P-1503T

1. INTRODUCTION

Thank you for choosing the SUNSHINE P-1503T Analog Power Supply. This manual provides essential information for the safe and efficient operation, setup, maintenance, and troubleshooting of your device. Please read this manual thoroughly before using the product and keep it for future reference.

The SUNSHINE P-1503T is a versatile 15-volt, 3-amp analog power supply designed primarily for mobile phone maintenance. It features touch-sensitive controls and includes two USB ports for convenient mobile testing and charging.



Figure 1: Front view of the SUNSHINE P-1503T Analog Power Supply. This image shows the device's display, control knobs, and output terminals, including the two USB ports.

2. SAFETY INFORMATION

WARNING: Failure to follow these safety instructions may result in electric shock, fire, or serious injury.

- Always connect the power supply to a grounded electrical outlet.
- Do not operate the device in wet or damp conditions.
- Ensure proper ventilation to prevent overheating. Do not block ventilation openings.
- Do not open the casing of the power supply. There are no user-serviceable parts inside. Refer all servicing to qualified personnel.
- Avoid touching output terminals when the device is powered on.
- Disconnect the power cord from the outlet before cleaning or if the device will not be used for an extended period.
- Use only the specified input voltage (15 Volts) as indicated on the device.

3. SETUP

3.1 Unpacking

1. Carefully remove the power supply from its packaging.
2. Inspect the device for any signs of damage during transit. If damaged, do not use and contact your supplier.
3. Ensure all accessories are present (e.g., power cord, test leads if included).

3.2 Connecting to Power

1. Place the power supply on a stable, level surface with adequate ventilation.
2. Connect the provided power cord to the power input socket on the rear of the device.
3. Plug the other end of the power cord into a suitable grounded electrical outlet.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

- To power on the device, press the power switch located on the front panel. The display will illuminate.
- To power off, press the power switch again.

4.2 Adjusting Output

The P-1503T is an analog power supply, typically meaning voltage and current are set via rotary knobs.

- Use the **Voltage Adjustment Knob** to set the desired output voltage. Monitor the voltage display.
- Use the **Current Adjustment Knob** to set the desired current limit. Monitor the current display.
- The device emits a sound upon touch, indicating interaction with its controls.

4.3 Using USB Ports

The power supply features two USB ports on the front panel:

- **USB Port 1 (Mobile Testing):** Connect a mobile device here for diagnostic purposes. This port is designed to provide stable power for testing mobile phone circuits.
- **USB Port 2 (Mobile Charging):** Connect a mobile device here for charging. This port delivers power suitable

for recharging mobile phone batteries.

Note: Always ensure the output voltage and current settings are appropriate for the device being connected to prevent damage.

5. MAINTENANCE

5.1 Cleaning

- Ensure the power supply is turned off and disconnected from the main power outlet before cleaning.
- Use a soft, dry cloth to wipe the exterior of the device.
- Do not use liquid cleaners, aerosols, or solvents, as these may damage the casing or internal components.
- Keep ventilation openings clear of dust and debris.

5.2 Storage

When not in use, store the power supply in a cool, dry place, away from direct sunlight and extreme temperatures.

6. TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|----------------------------|---|--|
| Device does not power on. | Power cord not connected. Power outlet faulty. Power switch off. | Ensure power cord is securely connected. Test outlet with another device. Press the power switch to the 'On' position. |
| No output voltage/current. | Output terminals not connected. Voltage/current knobs set to zero. Overload protection activated. | Connect test leads to output terminals. Adjust voltage/current knobs to desired levels. Disconnect load, turn off and on again to reset. Reduce load. |
| USB ports not working. | Device not powered on. Cable faulty. | Ensure the power supply is on. Try a different USB cable. |

7. SPECIFICATIONS

| Feature | Detail |
|-----------------------|--------------|
| Brand | SUNSHINE |
| Model | P-1503T |
| Compatible Devices | Mobile Phone |
| Connector Type | ATX |
| Form Factor | ATX |
| Cooling Method | Air |
| Maximum Input Voltage | 15 Volts |

| Feature | Detail |
|---------------------------|-------------|
| Minimum Input Voltage | 15 Volts |
| Manufacturer | SUNSHINE |
| System Bus Connector Type | Connector 2 |
| Power Source | External |
| ASIN | B0847QS2FX |

8. WARRANTY AND SUPPORT

This product is covered by a standard manufacturer's warranty. Please refer to the warranty card included with your purchase for specific terms and conditions. For technical support, service, or warranty claims, please contact your retailer or the manufacturer directly.

For the latest information and support, please visit the official SUNSHINE website (if available).