

Valcom VP-6124

Valcom VP-6124 6 Amp 24 VDC Switching Power Supply User Manual

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of the Valcom VP-6124 6 Amp 24 VDC Switching Power Supply. This unit is designed to deliver a highly reliable power source, utilizing state-of-the-art technology for efficiency and compact design. It features three outputs, each capable of supplying 2 amps, and provides regulated and filtered power with a floating output. The unit is protected by input fuses and output protection circuitry. A wall mount plate is included for convenient installation.

2. SAFETY INFORMATION

Please read and understand all safety instructions before installing or operating this device. Failure to follow these instructions may result in electric shock, fire, or damage to the product.

- Ensure the power supply is disconnected from the main power source before performing any installation, wiring, or maintenance.
- Installation should be performed by qualified personnel in accordance with all local and national electrical codes.
- Do not expose the unit to moisture, rain, or extreme temperatures.
- Verify that the input voltage matches the specifications of the power supply.
- Do not operate the unit if it appears damaged.
- Ensure proper ventilation around the unit to prevent overheating.

3. PRODUCT OVERVIEW

The Valcom VP-6124 is a robust switching power supply housed in a durable gray metal enclosure. Its design incorporates ventilation slots to ensure efficient heat dissipation during operation.





This image displays the Valcom VP-6124 Switching Power Supply. The unit features a gray metal enclosure with multiple ventilation slots on the top, front, and sides to facilitate cooling. The Valcom logo and model number 'VP-6124' are visible on the front panel. A small screw is present on the lower front panel, likely securing a cover or access panel. The overall design is robust and functional, typical for industrial or commercial power supply units.

Key Features:

- Three outputs, 2 amps each.
- Regulated and filtered power output.
- Floating output design.
- Input fuse protected.
- Output protected circuitry.
- Includes wall mount plate.
- UL, CSA, CE compliant.

Physical Characteristics:

- Dimensions: 10.3"L x 5.92"W x 2.5"H
- Weight: 7.45 lbs
- Color: Gray
- Country of Origin: USA
- Type of Packaging: White Box

4. SETUP AND INSTALLATION

Proper installation is crucial for the safe and efficient operation of the power supply. Follow these general guidelines:

4.1 Mounting

1. Select a suitable location for mounting, ensuring adequate ventilation and protection from environmental factors.
2. Use the provided wall mount plate to securely fasten the power supply to a stable surface.
3. Ensure the mounting surface can support the weight of the unit (7.45 lbs).

4.2 Wiring

1. Before making any connections, ensure the power supply is disconnected from the AC mains.
2. Connect the input power wiring to the designated AC input terminals, observing correct polarity (Line, Neutral, Ground).
3. Connect the output wiring to your devices, ensuring that the total current draw for each output does not exceed 2 amps and the total for all three outputs does not exceed 6 amps.
4. Double-check all connections for tightness and correct wiring before applying power.

4.3 Power Connection

1. Once all wiring is complete and verified, connect the power supply to the AC mains.
2. Observe the indicator lights (if present) to confirm proper operation.

5. OPERATING INSTRUCTIONS

The Valcom VP-6124 is designed for continuous operation once properly installed and connected. It provides a stable 24 VDC output for connected devices.

- Ensure that the total load connected to the power supply does not exceed its maximum rated output of 6 amps (2 amps per output).
- Monitor the power supply for any unusual noises, smells, or excessive heat, which may indicate a problem.
- The unit is designed to be maintenance-free under normal operating conditions.

6. MAINTENANCE

Minimal maintenance is required for the Valcom VP-6124 power supply to ensure its longevity and reliable performance.

- **Cleaning:** Periodically clean the exterior of the unit with a dry, soft cloth. Do not use liquid cleaners or solvents. Ensure ventilation slots are free from dust and debris to maintain proper airflow.
- **Inspection:** Annually inspect all wiring connections for tightness and signs of wear or damage. Check the unit for any physical damage or discoloration.
- **Fuse Replacement:** If an input fuse blows, disconnect the unit from power and replace it with a fuse of the exact same type and rating as specified by the manufacturer.

7. TROUBLESHOOTING

If you encounter issues with your Valcom VP-6124 power supply, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No power output	No AC input power	Check AC power source and connections.
No power output	Blown input fuse	Disconnect power, replace fuse with correct type and rating.
No power output	Output overload	Reduce the load connected to the power supply. Check for short circuits in connected devices.
Unit is excessively hot	Insufficient ventilation	Ensure ventilation slots are clear and there is adequate airflow around the unit.
Unit is excessively hot	Overload condition	Reduce the load connected to the power supply.

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

8. SPECIFICATIONS

Detailed technical specifications for the Valcom VP-6124 Switching Power Supply:

Specification	Value
Brand	Valcom

Specification	Value
Model Name	1126-VC-VP-6124 (VP-6124)
Item Model Number	1126-VC-VP-6124
Product Dimensions (LxWxH)	10.3 x 5.92 x 2.5 inches
Item Weight	7.45 pounds (7.5 pounds)
Current Rating	6 Amps (Total)
Output Voltage	24 VDC
Wattage	144 watts
Form Factor	Custom/Wall Mount
Cooling Method	Air
Connector Type	ATX (Input)
Compatible Devices	Personal Computer (General purpose power supply)
Manufacturer	Valcom
Date First Available	February 11, 2010

9. WARRANTY AND SUPPORT

9.1 Warranty Information

The Valcom VP-6124 Switching Power Supply comes with a **1-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accident, unauthorized modification, or improper installation.

9.2 Customer Support

For technical assistance, troubleshooting, or warranty claims, please contact Valcom customer support. Have your product model number and purchase date available when contacting support.

- **Valcom Official Website:** www.valcom.com (for contact information and resources)