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M-VAVE SK2

M-VAVE SK2 Isolated Power Supply Instruction Manual

Model: SK2

1. Introduction

The M-VAVE SK2 Isolated Power Supply is designed to provide stable and clean power to your guitar and bass effect pedals. Featuring multiple isolated outputs and a USB charging port, it ensures optimal performance for your pedalboard setup by minimizing noise and providing reliable power distribution.

2. Package Contents

Please verify that all items listed below are included in your package:

- 1 x M-VAVE SK2 Isolated Power Supply Unit
- 1 x DC Power Adapter (Input: DC 5V-12V, Output: DC 12V 2A)
- 10 x DC Power Cables (for connecting pedals)
- 1 x User Manual (this document)



Image: M-VAVE SK2 Isolated Power Supply with included DC power adapter and 10 DC power cables.

3. Panel Diagram and Connections

Familiarize yourself with the input and output ports on the M-VAVE SK2 unit.



Image: Detailed view of the M-VAVE SK2 panel, highlighting the DC IN (12V 2A), 10 DC OUT (9V 300mA) ports, and the USB OUT (5V 1A) port.

- **DC IN:** Connect the provided 12V 2A DC power adapter here.
- **DC OUT (1-10):** These are 10 isolated 9V DC outputs, each providing up to 300mA. Use the included DC power cables to connect your effect pedals.
- **USB OUT:** A 5V 1A USB output port for charging mobile devices or powering USB-compatible accessories.

4. Setup Instructions

1. **Connect Power Adapter:** Insert the DC plug of the provided power adapter into the "DC IN" port on the M-VAVE SK2 unit.
2. **Connect to Wall Outlet:** Plug the power adapter into a standard AC wall outlet. The blue LED indicators on the M-VAVE SK2 will illuminate, indicating the unit is powered on.
3. **Connect Pedals:** Use the included DC power cables to connect your guitar or bass effect pedals to the "DC OUT" ports (1-10). Ensure your pedals require 9V DC power and do not exceed 300mA per output.
4. **Optional USB Connection:** If desired, connect a USB device to the "USB OUT" port for charging or power.



Image: The M-VAVE SK2 power supply integrated into a pedalboard setup, powering several effect pedals.

5. Operating Instructions

Once connected, the M-VAVE SK2 operates automatically:

- **Power On/Off:** The unit powers on when connected to an AC outlet via its adapter. Disconnect the adapter to power off.
- **LED Indicators:** Each DC output port has a corresponding blue LED light. These LEDs illuminate when the channel is active and supplying power. If an LED goes off, it indicates an overcurrent condition on that specific channel.
- **Isolated Outputs:** Each of the 10 DC 9V outputs is independently isolated. This design minimizes ground loops and electrical noise between pedals, ensuring a cleaner audio signal.
- **USB Output:** The 5V 1A USB port provides power for charging smartphones, tablets, or other USB-powered devices.

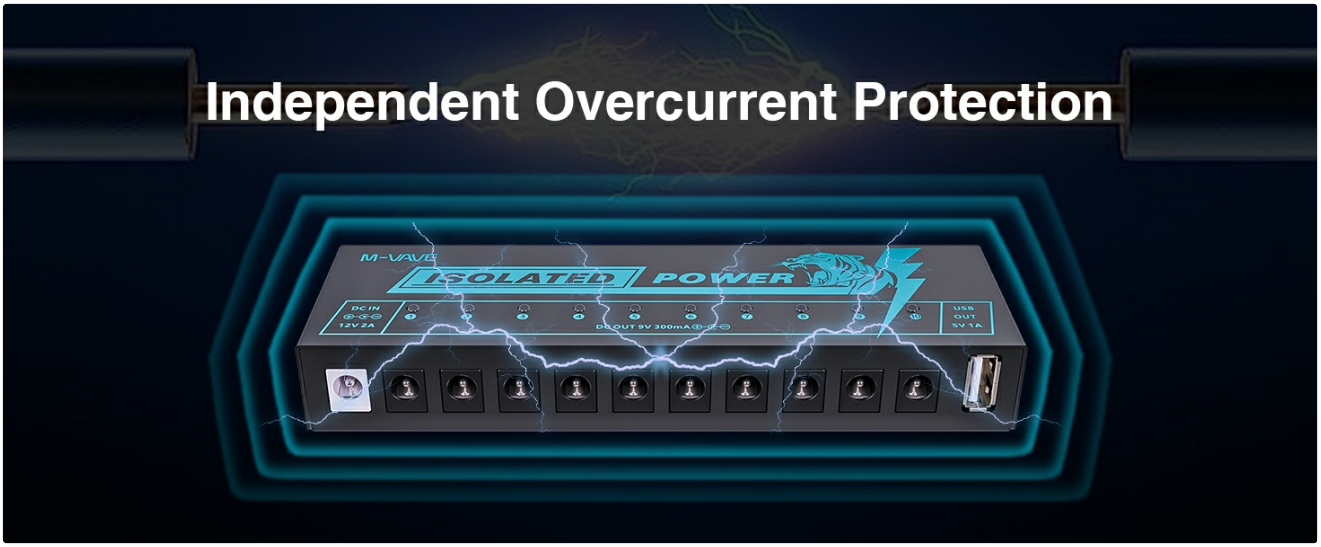


Image: Close-up of the M-VAVE SK2 power supply showing the illuminated blue LED indicators for each output, signifying active power delivery.

6. Features and Protection

- **Isolated Outputs:** Each of the 10 DC 9V outputs is independently isolated, preventing unwanted noise and hum caused by ground loops between pedals.
- **Noise Reduction Circuit:** The unit incorporates a noise reduction circuit to ensure a clean and stable power supply, contributing to a superior audio experience.
- **Independent Overcurrent Protection:** Each channel features independent overcurrent protection. If one channel experiences an overcurrent condition, it will shut down without affecting the operation of other channels. The corresponding LED will turn off.
- **Durable Construction:** Made from lightweight and durable aluminum alloy, designed for portability and longevity.

7. Specifications

Feature	Specification
Power Input	DC 5V-12V (via 12V 2A adapter)
DC Output Channels	10 x DC 9V 300mA (Isolated)
USB Output	1 x USB 5V 1A
Total Output Wattage	32 Watts
Material	Aluminum Alloy
Product Dimensions (L x W x H)	4 x 1.9 x 6 inches (158mm x 50mm x 23mm)
Item Weight	1.15 pounds (0.502 kg)
Cooling Method	Air



Image: The M-VAVE SK2 power supply with its dimensions (length, width, height) indicated, demonstrating its compact form factor.

8. Troubleshooting

- **No Power/LEDs Off:**
  - Ensure the DC power adapter is securely connected to both the "DC IN" port and a working AC wall outlet.
  - Verify the wall outlet is functional by plugging in another device.
- **One Pedal Not Working (LED Off):**
  - This indicates an overcurrent condition on that specific output channel. Disconnect the pedal from that output.
  - Check the power requirements of the pedal. If it draws more than 300mA, it cannot be powered by this unit.
  - Try connecting a different pedal to the same output to confirm if the issue is with the pedal or the output channel.

- **Excessive Noise/Hum:**
  - While the unit has noise reduction, ensure all cables (audio and power) are in good condition and properly connected.
  - Avoid running audio cables parallel to power cables to minimize interference.
  - Test pedals individually to identify if a specific pedal is introducing noise.
- **USB Device Not Charging:**
  - Ensure the USB cable is securely connected to both the M-VAVE SK2 and the device.
  - Verify the USB device requires 5V 1A or less for charging.

9. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the unit. Do not use liquid cleaners or solvents.
- **Storage:** Store the unit in a dry place away from direct sunlight and extreme temperatures when not in use.
- **Handling:** Avoid dropping the unit or subjecting it to strong impacts.

10. Warranty and Support

The M-VAVE SK2 Isolated Power Supply comes with a one-year warranty from the date of purchase.
For warranty claims, technical support, or any product-related inquiries, please contact M-VAVE customer service through your retailer or the official M-VAVE support channels. Please retain your proof of purchase for warranty validation.
Note: Amazon return windows typically close after one month. For issues beyond this period but within the warranty, please contact the seller directly via the "Ask a question" option on their store page.

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