

MFJ-4230MVP

30 Amp Switching Power Supply

User Manual

Electrical specifications

Model	MFJ-4230MVP
Input Voltage	100~120V AC Fixed (or 200~240V AC fixed)
Input Frequency	47Hz ~ 63Hz
Polarity Grounded	Negative
Output Voltage	DC 4V~16V Adjustable
Continuous (13.8V)	25A
Surge(13,8V)	30A
Ripple & Noise	<100mV
Efficiency	75%
Dimension(L*W*H mm)	154 x127x63 (6"x5"x2.5")
Net Weight	1.35 kg (3.4 lb)

Note: Specifications may change without prior notice

User information

The MFJ-4230MVP power supply enable you to run almost any electronic product.

Check the mains supply voltage

Before you plug in and turn on the power supply for the first time, please check the mains supply voltage.

The voltage rating of the power supply is printed on a label on the cover of the unit. Verify that it corresponds with your local mains supply voltage (that is factory fixed at 110VAC).

Turning the power supply on

Turn the power supply on by pressing the power switch to the 'ON' Position.

Turning the power supply off

Before you turn the power supply off, turn the radio off as described in the user documentation for the radio.

Turn the power supply off by pressing the power switch to the 'OFF' Position

Cooling

The MFJ-4230MVP power supply is cooled by convection and forced air cooling (that is, normal airflow around the power supply in combination with a temperature controlled fan to improve cooling at higher levels of use). The fan is always activated and the speed is controlled by a sensor. When the temperature rises, the fan speed increases.

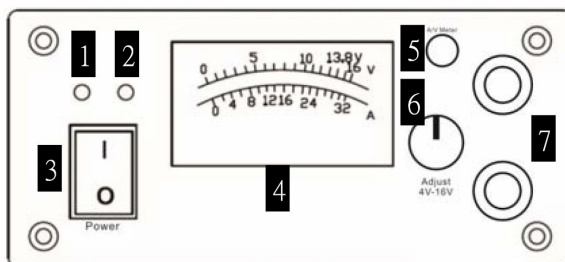
Installation

1. Unplug the power supply from the mains supply outlet.
2. Connect the power cable's positive (red) wire to the positive terminal and connect the negative (black) wire to the negative terminal on the back of the power supply.
3. Plug the power cable into the power socket on the back of the radio.

Panel Description:

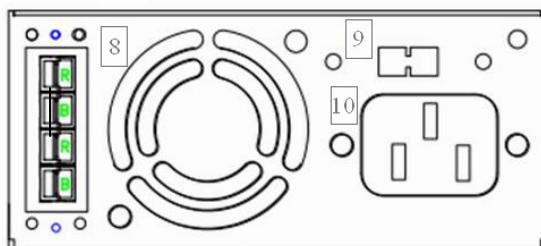
Front panel:

MFJ-4230MVP



- | | |
|--|-----------------------|
| 1. Power indicator | 2. Warning indicator |
| 3. AC power switch | 4. V/A indicate meter |
| 5. V/A meter knob | 6. DC voltage adjust |
| 7. DC output 1 (binding posts)
RED is Positive
Black is Negative | |

Rear panel:



8. DC Output 2 (Anderson Power Pole)
RED is Positive
Black is Negative
9. 115/230V AC switch.
10. AC input socket

Important safety information



Please read these warnings before using the MFJ-4230MVP power supply.

Warning: Safe operation

To reduce the risk of fire or electric shock, please adhere to these warnings:

Moisture: Do not expose this appliance to water or moisture.

Cleaning: Unplug the power supply from the mains power outlet before cleaning. Switching off the power supply will not reduce this risk.

Ventilation: Place the power supply in an area that will allow air to flow freely around the unit. This will prevent the power supply and mobile radio from overheating. Do not block or obstruct any of the ventilation openings on the unit.



Warning: Electrical connections

To reduce the risk of fire or electric shock, please adhere to these warnings:

The power supply should be properly connected and grounded. Use the provided AC power cable to connect the power supply to a mains power outlet that is properly installed and grounded, in accordance with all local codes and ordinances. If the power supply cord is damaged, it must be replaced with the same type to comply with safety requirements.



Warning: Servicing

This power supply should be serviced by a qualified service technician. Incorrect assembly may result in electric shock or fire.



Warning: High voltage levels

Some of the components inside the power supply can operate at voltage levels that may be lethal.

Caution: Place the power supply in a well ventilated and cool area. Do not block the ventilation openings on the sides, back or top of the unit.

Installation information

Caution: Install the power supply indoors. It is not designed for operation out-of-doors or in wet environments.

12 MONTH LIMITED WARRANTY

MFJ Enterprises, Inc. Warrants to the original owner of this product, if manufactured by MFJ Enterprises, Inc. and purchased from an authorized dealer or directly from MFJ Enterprises, Inc. to be free from defects in material and workmanship for a period of 12 months from date of purchase provided the following terms of this warranty are satisfied.

1. The purchaser must retain the dated proof-of-purchase (bill of sale, canceled check, credit card or money order receipt, etc.) describing the product to establish the validity of the warranty claim and submit the original or machine reproduction of such proof-of-purchase to MFJ Enterprises, Inc. at the time of warranty service. MFJ Enterprises, Inc. shall have the discretion to deny warranty without dated proof-of-purchase. Any evidence of alteration, erasure, or forgery shall be cause to void any and all warranty terms immediately.
2. MFJ Enterprises, Inc. agrees to repair or replace at MFJ's option without charge to the original owner any defective product under warranty, provided the product is returned postage prepaid to MFJ Enterprises, Inc. with a personal check, cashiers check, or money order for **\$12.00** covering postage and handling.
3. MFJ Enterprises, Inc. will supply replacement parts free of charge for any MFJ product under warranty upon request. A dated proof-of-purchase and an **\$8.00** personal check, cashiers check, or money order must be provided to cover postage and handling.
4. This warranty is NOT void for owners who attempt to repair defective units. Technical consultation is available by calling **(662) 323-5869**.
5. This warranty does not apply to kits sold by or manufactured by MFJ Enterprises, Inc.
6. Wired and tested PC board products are covered by this warranty provided only the wired and tested PC board product is returned. Wired and tested PC boards installed in the owner's cabinet or connected to switches, jacks, or cables, etc. sent to MFJ Enterprises, Inc. will be returned at the owner's expense unrepaired.
7. Under no circumstances is MFJ Enterprises, Inc. liable for consequential damages to person or property by the use of any MFJ products.
8. **Out-of-warranty Service:** MFJ Enterprises, Inc. will repair any out-of-warranty product provided the unit is shipped prepaid. All repaired units will be shipped COD to the owner. Repair charges will be added to the COD fee unless other arrangements are made.
9. This warranty is given in lieu of any other warranty expressed or implied.
10. MFJ Enterprises, Inc. reserves the right to make changes or improvements in design or manufacture without incurring any obligation to install such changes upon any of the products previously manufactured.
11. All MFJ products to be serviced in-warranty or out-of-warranty should be addressed to **MFJ Enterprises, Inc., 300 Industrial Park Road, Starkville, Mississippi 39759, USA** and must be accompanied by a letter describing the problem in detail along with a copy of your dated proof-of-purchase.
12. This warranty gives you specific rights, and you may also have other rights which vary from state to state.