



# NS-1230D

## 30 Amp Digital Switching Power Supply User Manual

### Electrical specifications

Model	NS-1230D
Input Voltage	100~120V AC Fixed (or 200~240V AC fixed)
Input Frequency	47Hz ~ 63Hz
Polarity Grounded	Negative
Output Voltage	DC 5V~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 IB)

Note: Specifications may change without prior notice

### User information

The NS-1230D power supply enable you to run almost any electronic product.

#### Check the main supply voltage

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

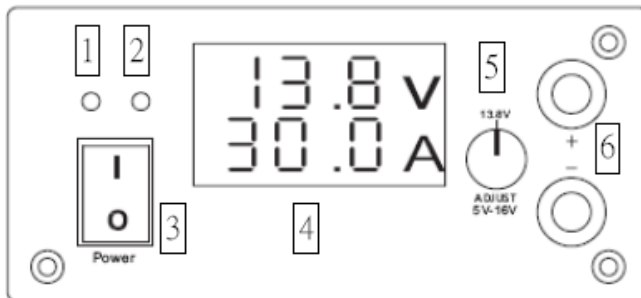
The NS-1230D power supply is cooled by convection and forced air cooling. That is normal airflow around the power supply in combination with a temperature controlled fan to improve cooling at higher levels of use. The fan is always activated and the speed is controlled by a sensor. When the temperature rises, the fan speed increases.

## Installation

1. Unplug the power supply from the main 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.

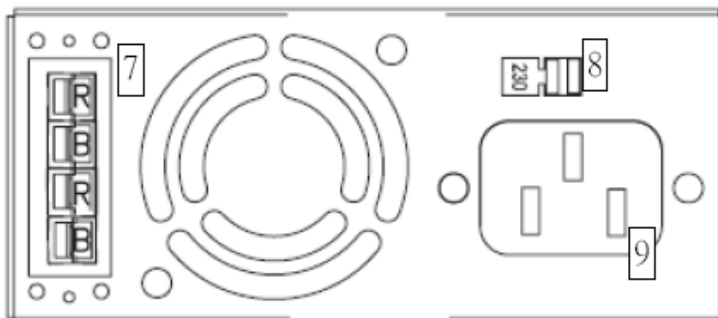
## Panel Description: NS-1230D

### Front panel:



1. Power indicator
2. Warning indicator
3. AC power switch
4. V/A display
5. DC voltage adjust
6. DC output 1 (binding posts)  
Red is Positive  
Black is Negative

### Rear panel:



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

## Important safety information

Please read these warnings before using the NS-1230D 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.