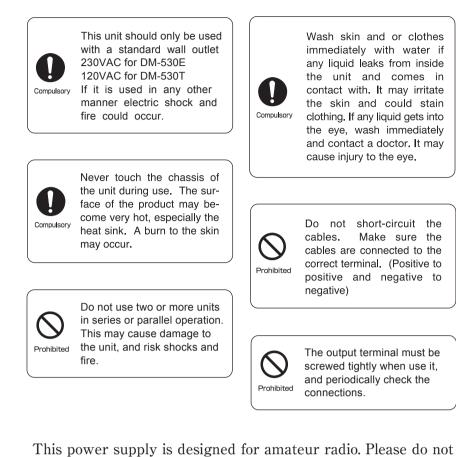
FOR YOUR SAFETY

To ensure safe operation of Alinco's products, please read the "Warning" section before using this product. To ensure safe operation and prevent any danger to life and/or property, you may find the symbols shown below in this manual. Please read and understand the meanning of these symbols before using this product.

Symbols	Explanation	
🕂 Dange	This symbol is inteded to alert the user to an immediate danger that may cause loss of life and/or property if the user disregards the warning.	
\land Alert	This symbol is intended to alert the user to a possible hazard that may cause loss of life and/or property if the user disregards the warning.	
🕂 Cautio	This symbol is intended to alert the user to a possible hazard that may cause injury or the loss of property if the warning is disregarded.	
Symbols	Explanation	
^	The A symbols contain information on what the year abould be	

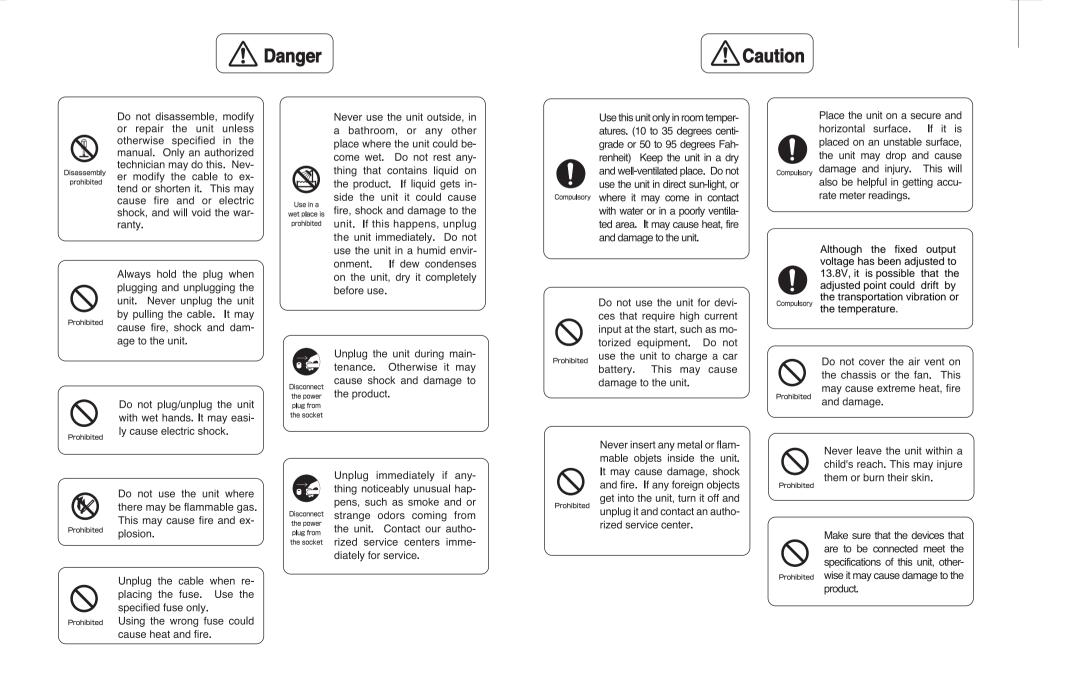
	The \triangle symbols contain information on what the user should be aware of in terms of dangers, alerts and cautions.
\oslash	The \bigcirc symbol informs the user of prohibited acts. Specific information of what is prohibited is drawn inside or near the symbol.
	The ● symbols contains information on what the user is instructed to do. Specific information on the instruction is inside the symbol (in this case he symbol instructs the user to unplug the adapter from the wall outlet).

The manufacturer declines any responsibilities against economic loss due to loss of communication opportunities caused by exernal factors such as malfunctions, mistakes, failures and/or blackouts.



Warning

use it for other purposes.

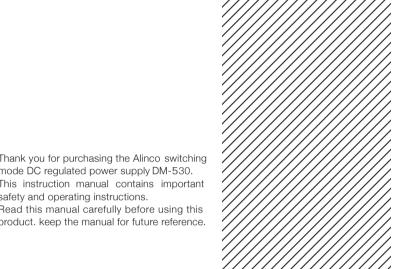




SWITCHING MODE DC REGULATED POWER SUPPLY

DM-530

INSTRUCTION MANUAL



6.Do not use the unit for devices that

use the unit to charge a car battery.

specified type of fuse (see below).

product and will void the warranty.

Before replacing a fuse make sure the

8. Never disassemble, modify, or touch

the inside of the unit unnecessarily.

This could cause damage to the

unit is turned off. Be sure to use the

require high current input at the start,

such as motorized equipment. Never

mode DC regulated power supply DM-530. This instruction manual contains important safety and operating instructions. Read this manual carefully before using this product. keep the manual for future reference

ALINCO, INC.

INTRODUCTION

Alinco's $\ensuremath{\text{DM-530}}$ is a high efficiency, compact, lightweight high performance switching mode power supply. It is also engineered to minimize the switching noise specifically for communication use. Even when noise occurs, it may be eliminated with the Noise-Offset function. Also convenient functions like output voltage fix, powerpole connector, USB and a highly visible back lit meter are standard in this power supply.

CAUTION

- 1. Even though the chassis of the unit is negatively grounded, use the correct terminals to connect cables.
- 2. When plugging the unit into a wall outlet, it must be turned off.
- 3. Place the unit in a dry and well-ventilated
- 4. Never touch the unit while in use. Even though it is designed for high efficiency, the unit will still get hot. If the unit reaches a certain temperature, overheat protection (OHP) function will protect the unit by automatically shut down the unit. and the "OHP" will be displayed on the LCD.
- 5. The unit has overcurrent and short-circuit protection systems.When the overcurren protection (OCP) works, turn the unit off and remove the cause of trouble.

SPECIFICATIONS

Input voltage: Output voltage: Output voltage regulation: Protection:	short-circuit, overcurrent protection over 30A
Output current: Ripple: Fuse: Meter: Dimensions: Weight:	overheat protection 30A (max), $25A (continuous)less than 50mVp-p at rated load5A (DM-530E) / 8A (DM-530T)digital volt / current meter, back-lit190(W) \times 69(H) \times 181(D)mm (Projections not included)approx. 2.3kg$

Manufacturer: 🔝 ALINCO, INC. Yodoyabashi-Dai building 13th Floor 4-9, 4-Chome, Koraibashi, Chuo-ku, Osaka 541-0043, JAPAN Phone:+81-6-7636-2362 http://www.alinco.com E-mail:<u>export@alinco.co.jp</u>

Ż RoHS

Relative certificate can be reviewed at http://www.alinco.com/ce/.

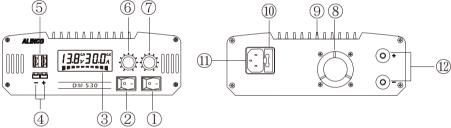
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PS1087 FNFG-NI

PART NAMES AND FUNCTIONS

Rear View



- **Power switch**: Turns the unit on and off.
- Voltage fix switch: The output voltage can be fixed at 13.8V or adjustable by
- Meter: Displays the output voltage, current and power meter that shows the output power level.
- ④ Output terminal: Anderson Powerpole®, 30A max. Red positive, Black negative
- USB terminal: 5V/2A max.
- 6 Voltage adjustment: Adjusts voltage between 5.0 and 15.0 volts. Turn clockwise to increase and counter clockwise to decrease the voltage.
- ⑦ Noise offset volume control: Adjust to eliminate the pulse noise of the switching circuit. This patent pending function is specially designed for communication use.
- (It's effectiveness may vary depending on the frequency and mode.) 8 Cooling fan: The fan turns on (approx. 40°C) and off automatically.
- (9) **Heat sink**: Do not touch the surface when the unit is in use. Let the unit cool down completely before touching it.
- 10 **Fuse**: 5A (DM-530E) / 8A (DM-530T)
- 1 Power socket: 230VAC (DM-530E) / 120VAC (DM-530T)
- 1 Output terminal: Binding posts, 30A max. Red positive, Black negative.

Protection Function Display

OCP: Overcurrent protection (OCP) is activated when the output terminal current

exceeds the OCP trip point. OHP: Overheat protection (OHP) is activated when the internal temperature of DM-530 rises to an abnormal level.

Front View