### FOR YOUR SAFETY

The following pages explain how to avoid possible accidents and damage to the user and his property. They will explain the proper manner in which to use this product.

### Explanation of caution indications

Caution	indication Meaning
<u> </u>	Improper handling presents an immediate danger of death or serious injury.
⚠Warning	Improper handling may lead to death or serious injury.
<b>⚠</b> Caution	Improper handling presents a risk to physical health 11 or property. 2

<sup>1:</sup> Injuries, skin burne, electric shocks, etc. not requiring hospitalization or exten-sive modical functions.

### **Explanation of symbols**

Symbol	Meaning of symbol
(8)	This symbol indicates actions that must be strictly avoided. The details of the actions to be avoided are written in or around the symbol using graphics and/or text.
0	This symbol indicates that there are procedures that must be followed without fail. The procedures to be followed are described in or around the symbol using graphics and/or text.
€	This symbol indicates that the power plug must be disconnected from the socket. Details of the warning are written in or around the symbol using graphics and/or text.

Before using this product, please note that we shall not assume any responsibility whatsoever for purely economic losses, such as lost communication opportunities, resulting from breakdowns, incorrect operation, product problems, or external cau-





Do not disassemble, modify or repair the unit unless otherwise specified in the manual. Only an authorized technician may do this. Never modify the cable to extend or shorten it. This may cause fire and or electric shock, and will void the war-



Always hold the plug when plugging and unplugging the unit. Never unplug the unit by pulling the cable. It may cause fire, shock and damage to the unit.



Do not plug/unplug the unit with wet hands. It may easily cause electric shock.



Do not use the unit where there may be flammable gas This may cause fire and exotosion.



Unplug the cable when replacing the fuse. Use the specified fuse only. Using the wrong fuse could cause heat and fire.



(2)

Never use the unit outside, it a bathroom, or any other place where the unit could become wet. Do not rest anything that contains liquid on the product. If liquid gets inside the unit it could cause fire, shock and damage to the unit. If this happens, unplug the unit immediately. Do not use the unit in a humid environment. If dew condenses on the unit, dry it completely before use.



Unplug the unit during maintenance. Otherwise it may cause shock and damage to the product.



Unplug immediately if anything noticeably unusual happens, such as smoke and or the unit. Contact our authorized service centers imme-





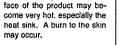
This unit should only be used with a standard wall outlet 230VAC. If it is used in any other manner electric shock and fire could occur.

Never touch the chassis of

the unit during use. The sur-



Wash skin and or clothes immediately with water if any liquid leaks from inside the unit and comes in contact with, it may irritate the skin and could stain clothing. If any liquid gets into the eve. wash immediately and contact a doctor. It may cause injury to the eye.



Do not short-circuit the cables. Make sure the cables are connected to the correct terminal. (Positive to positive and negative to negative)





Use this unit only in room temperatures. (10 to 35 degrees centigrade or 50 to 95 degrees Fahrenheit) Keep the unit in a dry and well-ventilated place. Do not use the unit in direct sun-light, or where it may come in contact with water or in a poorly ventilated area. It may cause heat, fire and damage to the unit.

Never leave the unit within a

child's reach. This may injure

them or burn their skin.



Do not cover the air vent on and damage.





Make sure that the devices that are to be connected meet the specifications of this unit, otherwise it may cause damage to the



Never insert any metal or flammable objets inside the unit. It may cause damage, shock and fire. If any foreign objects get into the unit, turn it off and unplugit and contact an autho-



Place the unit on a secure and horizontal surface. If it is placed on an unstable surface, the unit may drop and cause damage and injury. This will also be helpful in getting accurate meter readings.



the chassis or the fan. This may cause extreme heat, fire



Do not use the unit for devices that require high current input at the start, such as motorized equipment. Do not use the unit to charge a car battery. This may cause damage to the unit.



Never try to use a car cigarette lighter in the cigarette lighter socket of this prod-uct.Otherwise, the product may become damaged.



Insert the cigarette-plug securely and completely into Insufficient connection may

# ALINCO

SWITCHING MODE DC REGULATED POWER SUPPLY DM-330MWII

## INSTRUCTION MANUAL



Yodoyabashi-Dai building 13th Floor 4-9, 4-Chome, Koraibashi, Chuo-ku, Osaka 541-0043, JAPAN Phone:+81-8-7636-2352 Fax:+81-6-6208-3802

Thank you for purchasing the Alinco switching mode DC regulated power supply. DM-3 SOMAUL The DM-330MWIII instruction manual ontains important sofety and operating instructions. Read this manual carefully before sing this product. Keep the manual for future

# ALINCO.INC.

# 

©Alnoc, Inc., Coska, Japan, All oghts reserved.
Although Alnoch has designed this menual to be as comprehensive and accurate as possible, we reserve digit to make changes at any time to the contents or our specifications. Please note that certain products and accessories may not be available in all countries of identification. Please consult your Authorized Alnoc Dealth for information.

PSD644

### INTRODUCTION

Allien's DM-330MWII 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 pre-set voltage, remote control and a highly visible back lit meter are standard in this power supply.

### CAUTION

- Even though the chassis of the unit is negatively grounded, use the correct terminals to connect cables.
- When plugging the unit into a wall outlet, it must be turned off.
- 3. Place the unit in a dry and wellventilated area.
  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, the features a certain rempetative, the vectors temperature protection function will protect the unit by automatically dropping the current down to a safe level and the protection
- indicator will light up.

  5. The unit has overloading and shortcircuit protection circuits. Overloading protection automatically checks and controls level of output current at a safe level (or cuts off when extremely overloaded). Short-circuit protection detects short-circuit and turns the unit
- off immediately. At any case when the protection indicator lights up, remove the cause of trouble, await about a minute then turn it back on
- require high current input at the start. such as motorized equipment. Never use the unit to charge a car battery.
  7. Do not use a car cigarette lighter in the
- cigarette plug socket on the unit.

  8. Before replacing a fuse make sure the unit is turned off. Be sure to use the
- specified type of fuse (see below).

  9. Make sure the product is always
- suitably grounded to prevent electric shock and to reduce noise. (The unit can be grounded by connecting a grounding cable to the appropriate screw) 10.Never disassemble, modify, or touch
- the inside of the unit unnecessarily. This could cause damage to the product and will void the warranty.

# PRESET FUNCTION

When this function is activated, a preset voltage will be supplied regardless of the current voltage setting. To store the preset voltage, turn the switch to the preset position and adjust the preset volume ① to the desired output level. When this function is selected the voltage adjustment control on the front panel will be deactivated to protect from over

### **SPECIFICATIONS**

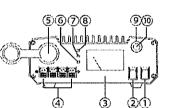
Input voltage: Output voltage 5~15VDC variable less than 2%

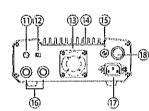
short-circuit, Automatic current limiting over 30A

over-temperature 30A (max), 25A (continuous) less than 15mVp-p at rated load Output current: Ripple: Fuse: 4A (East-blow ceramic tube for 230VAC) single volt / current meter, back-lit 190(W)×69(H)×181(D)mm (Projections not included) Dimensions:

approx. 2.5kg with AC cord

#### PART NAMES AND FUNCTIONS





- Power switch: Turns the unit on and off.
- Meter switch: Select the position to indicate voltage (V) or current (A).
- Meter: Displays the voltage or current.
- Snap in output terminal: 5A max. Red positive, black negative.
- Cigarette plug terminal: 10A max.
- (6) Protection Indicator: Lights up as a warning when the current limiting system is activated.
- Preset indicator: Lights up when preset function is activated. Power indicator: Lights up when the unit is turned on.
- Voltage adjustment: Adjusts voltage between 5.0 and 15.0 volts. Turn clockwise to increase and counter clockwise to decrease the voltage. When it is set at the center position it will supply 13.8 volts.
- Noise off-set 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.)
- Preset volume: see 12: (2) Preset switch: To store the preset voltage, turn this switch to the preset position and
- adjust the preset volume to the desired output level. Cooling fan: The fan turns on and off automatically (internal temperature at 45°C)
- Heat sink : Do not touch the surface when the unit is in use. Let the unit cool down
- completely before touching it. 15 Grounding screw: Used to connect the Earth grounding cable to the unit. (cableis
- not provided) 16 Output terminal: 30A max. Red positive, black negative.
- (7) Power socket: 230VAC
- 18 Fuse: 4A, Fast-blow ceramic tube type for 230V AC input protection.

<sup>&</sup>quot;2: extensive damage to buildings and possessions; injury to domesticated animals and pets