

# DM-330 FXT/FXE MVT/MVE DM-340 MVT/MVZ/MW

## The Next Generation of Communications-Grade Switching Power Supply

- 30A regulated class highly reliable power supplies
- Noise-Offset circuit to eliminate possible pulse-noises of the switching circuit
- Short circuit protection, current-limiting systems and extreme-temperature protection
- Preset voltage feature
- Cigar-plug socket (Max 10 A), a set of Max 32 A terminals, and 2 sets of snap-in terminals (Max 5 A)
- Dual USB ports (2A max, FXT/FXE only)
- \* USB ports may not work for charging cell-phones/mobile phones due to special charging circuits of those devices.
- A big, highly visible, back-lit Amp / Volt meter



**DM-330FXT**  
**DM-330FXE** CE



REAR



**DM-330MVT**  
**DM-330MVE** CE

## IC-regulated DC Power Supply

- 30A continuous, 35A max. output with a reliable over-current protection circuit
- Highly visible, accurate Volt and Amp meters
- Multi-speed temperature controlled forced air cooling
- Cigar Socket Output (max. 10A)
- Large 15mm Terminals
- Two pairs of one-touch-connect terminals (max. 6A)
- Power Indicator LED
- Front Panel Voltage Control Knob with center detent set at 13.8 VDC
- The fuse holder is conveniently located on the front panel

COMMUNICATION-GRADE  
LINEAR POWER SUPPLY

**DM-340MVT**  
**DM-340MVZ**



### Specifications DM-330

- General**
- **AC Input voltage** : [FXT/MVT] : 120V / [FXE/MVE] : 230V
  - **Output current (continuous/max)** : [MVT] 30A/32A [MVE] 25A/30A [FXT/FXE] 25A/30A
  - **Output voltage** : [MVT/MVE] 5~15V DC variable [FXT/FXE] 9~15V DC variable
  - **Output voltage regulation** : [MVT/MVE] Less than 2% [FXT/FXE] Less than 3%
  - **Protection** : short-circuit, Automatic current limiting, over temperature
  - **Ripple** : [MVT/MVE] Less than 15mVp-p at rated load [FXT/FXE] Less than 50mVp-p at rated load
  - **Fuse** : MVE : 4A/MVT : 8A
  - **Meter** : single Amp/Volt meter (backlit)
  - **Dimensions** : [MVT] : 175(W)×67(H)×165(D)mm [MVE/FXT/FXE] : 190(W)×69(H)×181(D)mm
  - **Weight** : [MVT] : Approx. 2kg [MVE] : Approx. 2.3kg [FXT/FXE] : Approx. 2.5kg with AC cord
  - **Usable temperature range** : +10~ +35°C / 50~95° F

### Wall Sockets

DM-330FXT/MVT: Type B/American 3-pin  
DM-330FXE/MVE: Type C/European 2-pin

### Specifications DM-340

- General**
- **AC Input voltage** [MVT] : 120V / [MVZ/MW] : 230V
  - **Output voltage** : 13.8V DC (rated) variable 1~15V DC
  - **Output voltage regulation** : Less than 2%
  - **Protection** : Automatic current shut down over 35A Temperature protection circuit (95°C thermal relay)
  - **Ripple** : Less than 10mVp-p at rated load
  - **Fuse** : MVZ/MW : 8A/MVT : 10A
  - **Meter** : single Amp/Volt meter
  - **Dimensions & Weight** : MVT/MVZ : 235(W)×153(H)×230(D)mm / Approx. 9.4kg MW : 240(W)×154(H)×280(D)mm / Approx. 9.6kg
  - **Usable temperature range** : +10~ +35°C / 50~95° F

### Wall Sockets

DM-340MVT: Type B/American 3-pin  
DM-340MVZ: Type CEE7/7/Grounded  
DM-340MW: Type CEE7/7/Grounded

**DM-340MW** CE

### ATTENTION

Standard accessories declared herein are factory default and may vary at moment of sales depending on the market and Dealers' sales policy. Specifications subject to change without notice or obligation. Check your local regulations prior to operating, as an operating license maybe required. Some countries prohibits operating radio devices while driving. Images shown on this brochure may be taken with optional accessories. Alinco and ALINCO logo are registered trademarks of Alinco Incorporated, Japan in the United States, EU States, Russia, China and many other countries. All other trademarks are the properties of their respective holders. The utility software may be available to distributors/dealers only. USB programming cable is required. The manufacturer will not release the software to unauthorized party so please contact your dealer for details. Products may be blocked for operations before sales and only dealers can program the radio before delivery to consumers. Manufacturer is not aware of details of such dealer-programming therefore please kindly contact your dealer first in case technical-service may be necessary.

Authorized Dealer:

Copyright Alinco, Inc., Osaka, Japan. All rights reserved. Although Alinco has designed this brochure to be as accurate and comprehensive as possible, we reserve the right to make changes at any time to our equipment line, optional accessories, specifications, standard accessories, or availability of any such devices we manufacture and distribute. Please note that certain products and accessories may not be available in all countries of distribution therefore consult your Authorized Alinco Dealer for product availability and pricing. Colors of images herein may appear slightly different from actual products due to print.  
\* Projections are not included in the declared dimension values.  
\* FCC and CE logos in this brochure mean that these products have been approved under the land mobile category of relative conformity unless otherwise specified.

**ALINCO, INC.** Electronics Division

Yodoyabashi Dai-Bldg 13F, 4-4-9 Koraihashi,  
Chuo-ku, Osaka 541-0043 Japan  
Phone: 06-7636-2362 Fax: 06-6208-3802  
http://www.ALINCO.com  
E-mail: export@alinco.co.jp

**RoHS**

Compliant for  
EU-exports.

FNFNENK-SP  
Printed in Japan

# ALINCO

Quality. Style. Performance!

Ver.1.0.1.LM

## RADIO PRODUCTS CATALOG FOR BUSINESS USERS

- Handheld Transceivers
- Mobile Transceivers
- Power Supplies



**Caution** Please be sure to read the instruction manual before using the product for your safety.

www.ALINCO.com







## Twin Band Mobile Transceiver with Full Duplex Capability

- VHF/UHF full duplex operation includes V/V and U/U modes.
- 758 memory channels
- H/M/L power output settings-  
VHF:50W/25W/10W/5W,UHF:40W/25W/10W/5W
- Large 6 character alphanumeric backlit display
- Inversion scrambling
- Internal duplexer – single antenna connector
- Removable control head can be remotely mounted or inverted for optimal speaker placement
- Expanded receive range includes AM civil aviation band
- Crossband repeat
- Variable Display color tone
- Illuminated DTMF EMS-77 microphone allows direct VFO frequency entry and remote control of transceiver
- CTCSS,DCS,Tone-Burst Tones,2-tone and 5-tone signaling
- CTCSS Tone and DCS scan
- Variety of scan modes and priority channel monitoring
- TOT, BCLO, Talk Around, Reverse and ANI
- Utility software and cable cloning
- Ignition key activated power on/off feature
- Power supply voltage display
- Theft alarm feature
- Programmable VFO and Memory scan modes

### Specifications

Tested to comply MIL-STD-810  
-Shock: Method 514.6/1,IV -Vibration: Method 516.6/1

General	
Frequency Range (MHz)	TX : 136~174MHz/400~480MHz RX : 108~180MHz(AM/FM)/220~260MHz, 400~523MHz, 350~399.995MHz(FM)
Number of Channels	758 channels
Channel Spacing	25KHz (Wide mode) 20KHz (Middle mode) 12.5KHz (Narrow mode)
Channel step	2.5KHz, 5KHz, 6.25KHz, 10KHz, 12.5KHz, 15KHz, 20KHz, 25KHz, 30KHz, 50KHz
Operating Voltage	13.8V DC ±15%
Squelch	Carrier/CTCSS/DCS/5Tone/2Tone/DTMF
Frequency Stability	±2.5ppm
Operating Temperature	-20°C~+60°C
Dimensions W×H×D	139×40×212 mm or 5.47×1.58×8.35 inches approx.
Weight	1.14kg or 40.21 ounce approx.

### Receiver

	Wide mode	Narrow mode
Sensitivity (12dB Sinad)	≤0.25μV	≤0.35μV
Adjacent Channel Selectivity	≥70dB	≥60dB
Intermodulation	≥65dB	≥60dB
Spurious Rejection	≥70dB	≥70dB
Audio Response	+1~-3dB(0.3~3KHz)	+1~-3dB(0.3~2.55KHz)
Hum & Noise	≥45dB	≥40dB
Audio distortion	≤5%	
Audio power output	>2W@10%	

### Transmitter

	Wide mode	Narrow mode
Power Output	50W/25W/10W/5W(VHF) 40W/25W/10W/5W(UHF)	
Modulation	16KΦF3E	11KΦF3E
Adjacent Channel Power	≥70dB	≥60dB
Hum & Noise	≥40dB	≥36dB
Spurious Emission	≥60dB	≥60dB
Audio Response	+1~-3dB(0.3~3KHz)	+1~-3dB(0.3~2.55KHz)
Audio Distortion	≤5%	

※ Peripherals like an antenna, mounting hardware, coax cable etc are required for proper operation.



Mobile/Base  
VHF+UHF FM Transceiver  
**DR-638**



\*Bracket and DC cable may slightly differ from the original parts.

#### [Spare accessories]

- ADFM78 : Mobile bracket
- ADUA38 : DC Power Cable (15A Fuse)
- EMS-77 : Back-Lit microphone with key pad



## BEST VALUE - PROVEN RELIABILITY - FEATURE PACKED!

### Specifications

Tested to comply MIL-STD-810  
-Shock: Method 514.6/1,IV -Vibration: Method 516.6/1

General	
Frequency Range (MHz)	DR-138 : TX/RX 136.000-173.9975 DR-438 : TX/RX 400.000-469.9975
Number of Channels	200 channels
Channel Spacing	25KHz (Wide mode) 20KHz (Middle mode) 12.5KHz (Narrow mode)
Channel step	2.5KHz, 5KHz, 6.25KHz, 8.33KHz, 10KHz, 12.5KHz, 20KHz, 25KHz, 30KHz, 50KHz
Operating Voltage	13.8V DC ±15%
Squelch	Carrier/CTCSS/DCS/5Tone/2Tone/DTMF
Frequency Stability	±2.5ppm
Operating Temperature	-20°C~+60°C
Dimensions	145 (W) x 47 (H) x 190 (L)mm approx.
Weight	approx. 1.2kg

### Receiver

	Wide mode	Narrow mode
Sensitivity (12dB Sinad)	≤0.25μV	≤0.35μV
Adjacent Channel Selectivity	≥70dB	≥60dB
Intermodulation	≥65dB	≥60dB
Spurious Rejection	≥70dB	≥70dB
Audio Response	+1~-3dB(0.3~3KHz)	+1~-3dB(0.3~2.55KHz)
Hum & Noise	≥45dB	≥40dB
Audio distortion	≤5%	
Audio power output	>2W@10%	

### Transmitter

	Wide mode	Narrow mode
Power Output	VHF models 60W /25W/10W, UHF models 45W /25W/10W	
Modulation	16KΦF3E	11KΦF3E
Adjacent Channel Power	≥70dB	≥60dB
Hum & Noise	≥40dB	≥36dB
Spurious Emission	≥60dB	≥60dB
Audio Response	+1~-3dB(0.3~3KHz)	+1~-3dB(0.3~2.55KHz)
Audio Distortion	≤5%	

※ Peripherals like an antenna, mounting hardware, coax cable etc are required for proper operation.



Mobile/Base  
UHF FM Transceiver  
**DR-438**



- Shown with standard accessories [Spare accessories]
- ADFM78 : Mobile bracket
  - ADUA38 : DC Power Cable (15A Fuse)
  - EMS-74 : Back-Lit microphone with key pad

