

# 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

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\* 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.

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## RADIO PRODUCTS CATALOG FOR BUSINESS USERS

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- Mobile Transceivers
- Power Supplies



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

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## 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<br>RX : 108~180MHz(AM/FM)/220~260MHz,<br>400~523MHz, 350~399.995MHz(FM) |
| Number of Channels    | 758 channels   |
| Channel Spacing       | 25KHz (Wide mode)<br>20KHz (Middle mode)<br>12.5KHz (Narrow mode)                                  |
| Channel step          | 2.5KHz, 5KHz, 6.25KHz, 10KHz,<br>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<br>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)<br>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<br>DR-438 : TX/RX 400.000-469.9975            |
| Number of Channels    | 200 channels  |
| Channel Spacing       | 25KHz (Wide mode)<br>20KHz (Middle mode)<br>12.5KHz (Narrow mode)             |
| Channel step          | 2.5KHz, 5KHz, 6.25KHz, 8.33KHz, 10KHz,<br>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

