

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



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:

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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

- 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



Rugged, Reliable radio that withstands your demands... at an affordable price



VHF/UHF FM HANDHELD TRANSCEIVERS

DJ-A10
DJ-A35
DJ-A40

DJ-A11
DJ-A36
DJ-A41

All models

- 128 channels to program operating parameters via PC utility software (DJ-A11/A36/A41 16ch max per bank, up to 8 banks programmable)
- Standard accessories include a rechargeable Li-Ion pack, desktop quick-charger and high-performance whip antenna
- Ergonomically designed compact body 59.0W x 98.0H x 35.0D mm or 2.32W x 3.86H x 1.38D inches (w/o projections, approx.), weighs approx.227g or 8.01oz inclusive of battery pack and antenna
- A variety of scanning functions, 50 CTCSS, 116 DCS and 4 Tone-burst tones
- External microphone and speaker ports
- Internal VOX, English Voice Prompts, Remote-Kill/Stun/Revive, Analog scrambling, Voice compander, Narrow FM, Repeater-reverse, Auto-Power-off, Busy-Channel-Lockout, Time-Out-Timer and more at No extra cost!

DJ-A10/A35/A40 series only

- Backlit, Dot Matrix LCD screen with alphanumeric name tag
- Channel, Name tag and VFO (Frequency) display modes selectable
- FM radio receiver function



Specifications

General

- Frequency coverage : [DJ-A10/11] 136 - 174 MHz
[DJ-A40/41] 400 - 470 MHz
[DJ-A35/36] 350 - 390 MHz
- Mode : F3E(16K0F3E / 11K0F3E / RX only WFM)
- Programmable channels : 128 channels
- Frequency stability : ± 2.5 ppm
- Power supply requirement : 7.4V DC $\pm 20\%$ (negative ground)
- Current drain (Approx.) : 1400mA TX / 300mA receive at Max audio output / 70 mA squelched
- Usable temperature range : -20~ +55°C(-4~131°F)
- Dimensions (Projections not included/approx.) : 59.0Wx98.0Hx35.0D mm or 2.32Wx3.86Hx1.38D inches
- Weight : approx.227g or 8.01oz inclusive of battery pack and antenna

Transmitter (ETSI EN300 086 compliant)

- Output power : Approx. [A10/11/41] 5 / 2 / 0.5W [A40] 4 / 2 / 0.5 W [A35] 5 / 2 / 1 W [A36] 5 / 2.5 / 1 W
- Modulation system : Variable reactance FM
- Spurious emissions : Less than -36dBm
- Max. frequency deviation : ± 5 kHz / ± 2.5 kHz

Receiver (ETSI EN300 086 compliant)

- Receive system : Double conversion superheterodyne
- Intermediate frequencies : [A10/11] 38.85MHz [A40/41/35/36] 26.45MHz
- Sensitivity(12dB SINAD Wide/Narrow) : -12dB μ or better (0.25 μ V/0.35 μ V) or better
- Selectivity : -6dB : Wide 12kHz / Narrow 10kHz or more
-60dB : Wide 30kHz / Narrow 24kHz or less
- Audio output power : 1000mW(10% distortion)

Standard Accessories (A strap is included)

Whip antenna	Battery Pack		Rapid Charger/Stand	AC Adapter	Belt Clip
A10/11:EA-211 A40/41:EA-212 A35/36:EA-218	A10/40/11/41 version EBP-88 Li-Ion 7.4V 1700mAh	A10/40/11/41 T/E version A35E/36E version EBP-87 Li-Ion 7.4V 1500mAh	EDC-189	A10/11/40/41: EDC-190E A10T/11T/40T/41T: EDC-191T A10E/11E/40E/41E/35E/36E: EDC-191E	EBC-34



*Except DJ-A35/A36



A Tiny Radio That Packed With Powerful Features!



VHF FM HANDHELD TRANSCEIVER

DJ-100 CE FCC

- IP54 dust-protection and splash-proof
- Plenty of operating time, over 10 Hours with standard 1500 mAh Li-Ion battery pack (TX1:RX1:St-by90 / EBP-88 lasts longer / varies depending on conditions of use)
- Includes a desktop 4-Hour Quick Charger
- Wide variety of selective calling features built-in :
2-Tone, 5-Tone, 50 CTCSS, 114 DCS, 4 Tone-burst tones and DTMF/ANI decode
- Radio stun/kill/revive functions to protect your communication security
- Large, bright Alphanumeric Name tag LCD and easy-to-operate backlit keys
- Loud, enhanced audio quality with audio compander
- Analog voice scrambler and VOX built-in
- 200 programmable channels
- 3 selectable output power 5/2/0.5W
- FM broadcast receiver
- FSK short-message, BCLO, DTMF Autodialer, Reverse,Talk-around,TOT functions and much more!



Standard Accessories (A strap is included)

Whip antenna	Battery Pack	
	DJ-100 EBP-88 Li-Ion 7.4V 1700mAh	DJ-100T/100E EBP-87 Li-Ion 7.4V 1500mAh
EA-211		
Rapid Charger/Stand	AC Adapter	Belt Clip
EDC-189	100: EDC-190E 100T: EDC-191T 100E: EDC-191E	EBC-34

Specifications

General

- Frequency coverage : TX/RX 136-174MHz
RX only : FM radio (76-108MHz)
- Mode : F3E(16K0F3E / 11K0F3E / RX only WFM)
- Programmable channels : 200 channels
- Frequency stability : ± 2.5 ppm
- Power supply requirement : 7.4V DC $\pm 20\%$ (negative ground)
- Current drain (Approx.) : 1400mA TX / 300mA receive at Max audio output / 70 mA squelched
- Usable temperature range : -20~ +55°C(-4~131°F)
- Dimensions (Projections not included/approx.) : 59.0Wx98.0Hx35.0D mm or 2.32Wx3.86Hx1.38D inches
- Weight : approx.210g or 7.4oz inclusive of battery pack and antenna

Transmitter (ETSI EN300 086 compliant)

- Output power : 5 / 2 / 0.5W
- Modulation system : Variable reactance FM
- Spurious emissions : Less than -36dBm
- Max. frequency deviation : ± 5 kHz / ± 2.5 kHz

Receiver (ETSI EN300 086 compliant)

- Receive system : Double conversion superheterodyne
- Intermediate frequencies : 38.85MHz
- Sensitivity(12dB SINAD) : Wide 0.25 μ V / Narrow 0.35 μ V or better
- Selectivity : -6dB : Wide 12kHz / Narrow 10kHz or more
-60dB : Wide 30kHz / Narrow 24kHz or less
- Audio output power : 1000mW(10% distortion)

- Applicable U.S. Military Specifications MIL 810F and equivalent MIL-STD-810-C, -D and -G.
Method/Procedure: Vibration 514.5.1 / Shock 516.5.1, IV
- All stated specifications are subject to change without notice or obligation.

About IP54 and MIL-STD



About IP54 rating / Dust and splash resistant

About IP54 rating
5: Dust protected /Ingress of dust is not entirely prevented, but it must not enter in sufficient quantity to interfere with the satisfactory operation of the equipment.
4: Splashing water / Water splashing against the enclosure from any direction shall have no harmful effect.
Test duration: 5 minutes / Water volume: 10 liters per minute /Pressure: 80~100 kN/m²

The IP54 designation provides for limited dust and splash proofing of the radio per specified above. This compatibility is factory guaranteed for a period of one year provided all the jack covers are securely in place, any accessories connected must be specified genuine Alinco accessories and the radio has not been disassembled by the customer. The factory has tested and made the equipment compatible to IP54 certification during engineering. However, please understand that this equipment is NOT certified IP54 compliant but is designed to remain operational when used in hard conditions and is in no way stating that you should attempt to wash the radio for cleaning. Warranty will not cover radios that are water/dust damage due to negligence or misuse of the product.



Tested to comply MIL-STD-810G

- Shock: Method 514.6/IV
- Vibration: Method 516.6/1



READY FOR ACTION!

- Rugged, polycarbonate design resists rain and dust (IP54 compatible)
- MIL-STD-810G shock/vibration compliant
- 128 memories (16ch x 8groups : DJ-A46) to program operating parameters and tone-squelch tones
- High-performance whip antenna
- Works with rechargeable Li-ion battery pack
- Ergonomically designed body , weighs only 240g inclusive of EBP-87 and antenna
- Dealer-programmable features including Scans and Tone-signaling
- Simple, easy-to-use interface
- External microphone and speaker ports
- VOX built-in
- Includes FM radio receiver (DJ-A446 only)



Specifications DJ-A446/DJ-A46

General

- Frequency coverage : [TX/RX] 8ch PMR446 frequencies in UHF
- Mode : 8K50F3E (NFM)
- Memory channels : 128 channels (A46 : 16ch x 8groups)
- Frequency stability : ±2.5ppm
- Operating voltage :7.4V DC ±20%
- Usable temperature range :-10~+45°C(+14~113°F)
- Charging temperature range : +5~+40°C(+41~104°F)
- Dimensions(Projections not included) : 240x56x30mm (with battery pack, antenna)
- Weight 240 g (with battery pack, antenna)
- Sub audible Tone(CTCSS) : encoder/decoder 50tones

Transmitter

- Output power : Approx.500mW
- Modulation system : Variable reactance FM
- Spurious emissions : Less than -36dBm
- Max.frequency deviation : ±2.5kHz

Receiver

- Receive system : Double conversion superheterodyne
- Sensitivity(12dB SINAD) : Less than 0.35µV
- Adjacent Channel Selectivity : More than 60dB
- Intermodulation : More than 60dB
- Spurious Rejection : More than 70dB
- Audio output power : 1000mW/10%

Standard Accessories (A strap is included)

Rapid ChargerStand	Battery Pack	AC Adapter	Belt Clip
EDC-189	EBP-87 Li-ion 7.4V 1500mAh	EDC-191E	EBC-34

Standard accessories declared herein are our factory default and may vary at moment of sales depending on the market and Dealers' sales policy.

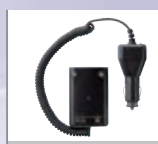
UHF License-Free Handheld Transceiver

DJ-A446

DJ-A46

Options and Spares

Common to all handheld transceivers.



Mobile DC Cable
EDH-40



Mobile DC Charging Cable
EDC-198



Earphone/Mic
EME-56A



Speaker Mic
EMS-76



Battery Pack
EBP-88
Li-ion
7.4V 1700mAh



Belt Clip
EBC-34



Spare AC Adapters



EDC-190E EDC-191E EDC-191T

※ Voids IP54 ingress protection when optional accessories are in use.



Power, Features and Convenience. Great communications start here !

- Output power selectable 5W/2W/0.5W
- 128 programmable channels
- Li-Ion battery pack and stand-charger as standard accessories
- Alphanumeric name tags (PC-programmable)
- FM broadcasting 76-108MHz receiver built-in
- Selectable Battery-save parameters
- Busy Channel Lockout
- Voice Compander (Reduce Noise & enhance audio clarity)
- Inversion Scramble(Analog encryption)
- Sub-tone (CTCSS/DCS) Encode/ Decode and DTMF/ANI
- VOX built-in
- Voice prompt in English, Emergency Kill/Stun/Revive, Alarm signal, Various scan modes, Key lock and more at NO extra costs.



Standard Accessories (A strap is included)

Rapid ChargerStand	Battery Pack
EDC-189	EBP-87 Li-ion 7.4V 1500mAh
AC Adapter	Belt Clip
EDC-191E	EBC-34
Whip antenna	
EA-212	

Standard accessories declared herein are our factory default and may vary at moment of sales depending on the market and Dealers' sales policy.



Specifications

General

- Frequency coverage :
RX: 245~245.9875MHz
TX: 245~245.9875MHz
- Mode : 8K50F3E (NFM)
- Memory channels : Max 128
- Frequency stability : ±2.5ppm
- Frequency Steps : 12.5, 25, 50KHz
- Operating voltage :7.4V DC ±20%
- Usable temperature range :-20°C to +60°C (-4~140°F)
- Charging temperature range : +5~+40°C(+41~104°F)
- Dimensions(Projections not included) : 60W x 114H x 37D mm (with battery pack, antenna)
- Weight 220 g (with battery pack, antenna)

Transmitter

- Output power approx:5W / 2W / 0.5W
- Modulation system : Variable reactance FM
- Spurious emissions : Less than -36dBm

Receiver

- Receive system : Double conversion superheterodyne
- Sensitivity(12dB SINAD) : Less than 0.25µV
- Adjacent Channel Selectivity : More than 65dB
- Intermodulation : More than 70dB
- Spurious Rejection : More than 70dB
- Audio output power : Audio Power Output 1000mW/10%

245MHz FM
HANDHELD TRANSCEIVER
DJ-A245

Feature comparison chart

	DJ-A10 DJ-A40 DJ-A35	DJ-A11 DJ-A41 DJ-A36	DJ-100	DJ-A446 DJ-A46	DJ-A245	DR-138 DR-438	DR-638
CTCSS/DCS	encoder	○	○	○	○	○	○
	decoder	○	○	○	○	○	○
2-Tone	encoder	—	○	—	—	○	○
	decoder	—	○	—	—	○	○
5-Tone	encoder	—	○	—	—	○	○
	decoder	—	○	—	—	○	○
DTMF autodial	○	○	○	○	○	○	○
DTMF decoder	○	○	○	○	○	○	○
Scrambler	○	○	○	○	○	only DR-138S	○
FSK Message	—	—	○	—	—	—	—
Microphone	—	—	—	—	—	EMS-74	EMS-77
Car-key ON/OFF port	—	—	—	—	—	○	○



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-810G
-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!

- 3 Selectable/Programmable Output Power Levels
- PC-programmable 200ch
- Alphanumeric name tags
- Voice Compander (Reduce Noise & enhance audio clarity)
- Wide variety of selective calling features are built-in: 2-Tone, 5-Tone, 50 CTCSS, 114 DCS, 4 Tone-burst tones and DTMF/ANI decode
- Radio stun/kill/revive functions to protect your communications security
- Large, bright LCD and easy-to-operate backlit keys
- Multi-function, backlit microphone enables direct frequency entry & more from keypad
- Various scan modes, Key lock, Wide/Narrow operations and more at NO extra cost!
- Inversion Scramble (DR-138S/DR-438S only)

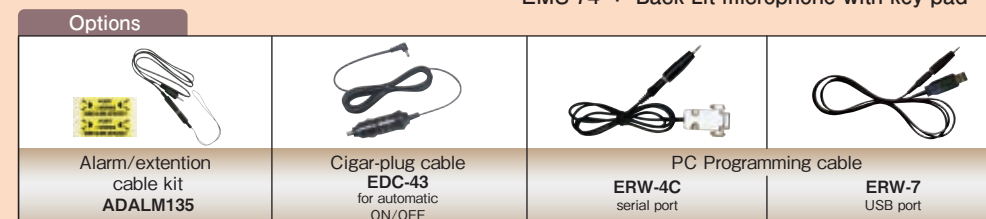
Mobile/Base VHF FM Transceiver

DR-138



Mobile/Base UHF FM Transceiver

DR-438



Specifications

Tested to comply MIL-STD-810G
-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.



Shown with standard accessories

[Spare accessories]

- ADFM78 : Mobile bracket
- ADUA38 : DC Power Cable (15A Fuse)
- EMS-74 : Back-Lit microphone with key pad