

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

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] 30A/25A
 - **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

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-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 (backlit)
 - **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

Authorized Dealer:

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ALINCO

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Ver.6.0.1.A

RADIO PRODUCTS CATALOG FOR HOBBY USERS Handhelds/Mobiles/HF/Receivers



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

*Performance specifications apply only to the amateur bands.

Specifications subject to change without notice or obligation. Check your local regulations prior to operating in FIE digital mode. Images shown on this brochure are the T-versions. An amateur radio license is required to operate transceivers shown in this brochure. 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.

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

Full Duplex Tri-Bander from Alinco meets the needs of the most demanding Ham!



- Simultaneous full duplex operation of any two bands 144MHz, 430MHz, 1200MHz
- Internal VOX
- Large LCD full dot matrix screen with easy to see and understand display
- Polycarbonate body ergonomically designed to fit the palm of your hand.
- Rugged die-cast chassis for durability and to keep the RF-PA Cool.
- Twin "user assignable" dual control knobs for adjusting AF output and squelch levels.
- 39 CTCSS and 104 DCS encode/decode. Tone scan to detect unknown tones.
- DTMF Auto-dialer for autopatch access. Up to 16 characters per group in 9 groups.
- SMA antenna port for external antenna use.
- Auto Power-Off, Bell, End-beep, Battery Save function, BCLO and more
- Newly designed EBC-23 Swing belt strap
- High-Capacity EBP-73 Li-ion 1200mAh battery and Drop-In charger are standard.
- External DC power port supports 13.8V DC for mobile operation.
- Auto-repeater and conventional repeater operation For USA repeater systems.
- 1000 Memory Channels with programmable memory banks

A free utility software is available from alinco.com. ERW-4C or 7 and EDS-10 or 14 required for a PC connection. Use EDS-11 for cable-cloning.



144/430/1200 MHz
5/5/1 Watt FM Hand-Held Transceiver
DJ-G7
CE, FCC, IP54
Product intended for use by properly authorized operators.

| Specifications | | * Wide band receive related specification is for T-version only. | |
|---|------------------|--|--|
| General (Cellular frequencies 824.000 - 849.995MHz, 869.000-894.995MHz blocked on T-version) | | | |
| Frequency range & Mode | E-version TX/RX: | 144.000 - 145.995MHz / 430.000 - 439.995MHz | |
| | | 1240.000 - 1299.995MHz | |
| | | AM/FM/TV(analog) Broadcast | |
| | T-version TX: | 144.000 - 147.995MHz | |
| | | 430.000 - 449.995MHz | |
| | | 1240.000 - 1299.995MHz | |
| | RX: | 0.530 - 1299.995MHz | |
| Channel steps | | 5/6.25/8.33/10/12.5/15/20/25/30/50/100/125/150/200/500KHz & 1MHz | |
| Memory channels | | 1000 + 1 call per ham band + 50 programmed-scan pairs | |
| | | 100 dual-memory + 100 priority + 100 Search-pass | |
| Antenna impedance | | 50 ohm (SMA) | |
| Frequency stability | | +2.5ppm (@-10 - +60°C/+14 - +140°F) | |
| Power Supply requirement | | DC 7.4V (EBP-73 Li-ion battery pack) | |
| | | DC 4.5~16V (external regulated source) | |
| Current drain | | TX approx. 1.6A/144MHz, 1.8A/430MHz, 0.8A/1200MHz | |
| | | RX approx. 200mA | |
| | | Battery save (1:4) approx. average : Dual 56mA/Single 50mA | |
| Temperature range | | -10°C~+45°C per CE (+14~+113°F) | |
| Dimensions | | 60(W) x 115(H) x 30(D) mm or 2.36(W) x 4.53(H) x 1.18(D) in. | |
| Weight | | Approx. 296 g /9.55 oz | |
| Subaudible Tone (CTCSS) | | encode/decode 39 tones | |

| Transmitter | |
|------------------------|---|
| Output power (Approx.) | DC13.8V: 144MHz/430MHz 5/2/1/0.3W, 1200MHz 1/0.3W EBP-73: 144MHz 5/2/0.8/0.3W, 430MHz 4.5/2/0.8/0.3W, 1200MHz 1/0.3W - 4 x AA cells (Max): 144MHz 2W, 430MHz 1.5W, 1200MHz 0.5W |
| Modulation | TX:F1D/F2D/F3E (RX only:WFM/AM) |
| Spurious emission | -60dB or less |
| Max. deviation | ±5KHz |

| Receiver | |
|----------------------------------|--|
| System | Double-conversion super heterodyne (FM,AM) Single-conversion super heterodyne (WFM) |
| Intermediate frequency (1st/2nd) | Main-band FM 51.65MHz / 450KHz Sub-band AM/FM 50.75MHz / 450KHz Sub-band WFM 10.7MHz |
| Sensitivity(12dB SINAD) | 144/430MHz ham-radio bands -15dBμ or better 1200MHz ham-radio band -13dBμ or better Sub-band receiver (Best values): ○AM (10dB S/N): Lower than 50MHz -1dBμ 50MHz and above -6dBμ ○FM (12dB SINAD): 30-470MHz -15dBμ 470MHz and above -7dBμ ○WFM: 76-470MHz -6dBμ 470MHz and above -3dBμ |
| Selectivity | AM/FM -6dB 12KHz or more / -60dB 35KHz or less WFM -6dB 130KHz or more / -60dB 300KHz or less |
| Audio output power | 400mW (8Ω/10% THD) |



| Standard Accessories | | | Options | | | | | | | |
|---|--|----------------|-------------------|----------------------|-------------------------------------|----------------------|----------------------|-----------------------------------|--------------------|------------------|
| Battery Pack EBP-73 Li-ion 7.4V 1200mAh | Drop-In Charger EDC-173T/E (120V/T-version) (240V/E-version) | Antenna EA-163 | Belt strap EBC-23 | Dry Cell Case EDH-35 | Plug Conversion Cable EDS-10 EDS-14 | Cloning Cable EDS-11 | Earphone/Mic EME-36A | Earphone/Mic (heavy duty) EME-32A | Speaker Mic EMS-62 | Soft Case ESC-50 |

EDS-14 is required to use earphone-microphone accessories listed on p.8 for plug conversion. EDS-14's accessory ports are not water-proof.

Amazing high performance, compact size, and full featured!

- Large, dot-matrix, 3 color-selectable display and keypad
- Semi-Duplex dualband, V/V-U/U and FM broadcast receiver
- 200 memory channels, any mix of VHF/UHF
- Internal VOX
- Alphanumeric channel labels
- Direct frequency input from keypad
- Landmobile-grade signaling features
- Variety of scanning modes
- IP54 dust/splash proof, MILSPEC vibration/shock compliant
- Wide and narrow FM TX/RX
- 12Vdc input using an optional cigar-socket adapter.
- High power Li-Ion battery pack, stand charger and beltclip included
- Wire cloning capability

- Advanced Features**
- Landmobile-grade signaling features Including DTMF,CTCSS,DCS,5-tone,Tone-burst tones with Talk-around, Reverse, BCLO, TOT and more!
 - Variety of scanning modes including Programmed, CTCSS/DCS tone, VFO, FM broadcast and Memory with skip feature.
 - Flexible Power Options Use the standard Li-Ion battery pack or an optional mobile DC cable EDH-40 for continuous 12Vdc operation. The battery pack is rechargeable using 12Vdc through an optional EDC-198 cable and a standard charger.



144 / 430MHz FM DUAL BAND HANDHELD TRANSCEIVER

DJ-500T/E CE, FCC, IP54, MIL-STD-810, MIL-STD-883C

| Options | | | | |
|------------------------|----------------------------------|----------------------|--------------------|---|
| 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 |

| Specifications | | |
|--|--|-------------------------------|
| General | | |
| RX Frequency Coverage (76-108MHz included) | DJ-500T 136-174MHz 400-480MHz | DJ-500E 144-146MHz 430-440MHz |
| TX Frequency Coverage | 144-148MHz 420-450MHz | 144-146MHz 430-440MHz |
| Channel steps | 5,10, 12.5, 15, 20, 25, 30kHz | |
| Memory channel | 200 channels + 1 Primary channel + 10 PS pairs | |
| Antenna impedance | 50Ω unbalanced | |
| Frequency stability | ±2.5ppm | |
| Power Supply requirement | 7.4V (Battery) | |
| Current drain approx. | 1400mA TX / 300mA receive at Max audio output 70mA squelched | |
| Channel step | 2.5, 5, 6.25, 8.33, 10, 12.5, 20, 25, 30 and 50 KHz | |
| Temperature range | Battery packs : -20~ +55°C(-4~131°F) | |
| Dimensions with EBP-87 | 59.0W×98.0H×35.0D mm 2.32W×3.86H×1.38D inches | |
| Weight | approx.227g or 8.01oz with battery pack and antenna | |

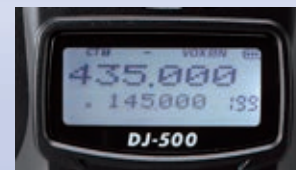
| Transmitter | |
|------------------------|--------------------------------------|
| Output power (Approx.) | 5 / 2.5 / 1W |
| Modulation | F3E(16K0F3E / 11K0F3E / RX only WFM) |
| Spurious emission | -60dB or less |
| Max. deviation | ±5kHz / ±2.5kHz |

| Receiver | |
|-------------------------|---|
| System | Direct conversion |
| Sensitivity(12dB SINAD) | Wide -12dBu / Narrow -9dBu |
| Selectivity | -6dB : Wide 12kHz / Narrow 10kHz or more -60dB : Wide 30kHz / Narrow 24kHz or less |
| Audio output power | 1W (10% distortion) |

Product intended for use by properly authorized operators. Reception out of Ham Radio bands is considered an accessory feature.



sakura (cherry)



white



| Antenna EA-228 | Battery Pack EBP-87 Li-ion 7.4V 1500mAh | Drop-In Charger EDC-189 |
|---|---|------------------------------|
| AC Adapter EDC-190E (220V Linear) EDC-191E (220V) EDC-191T (120V) | | Beltclip EBC-23 & Hand strap |



Tough Talker Speaks Volumes About Quality!

- New, two-touch repeater access
- High grade waterproof materials compatible to IPX7
- Rugged polycarbonate body resists dirt and dust
- Large 40mm internal speaker for great audio!
- Highly visible backlit alphanumeric display
- 200 Memories, plus one call channel
- VFO, Memory and Scan modes
- Ultra-flexible antenna with SMA connector avoids breakage (V/S17 & V27)
- High-performance 1/4 λ whip antenna (V/S47)
- 39 CTCSS tone squelch (encode+decode) and 104 DCS
- Tone burst function (1000, 1450, 1750 and 2100Hz)
- Battery-drain function avoids memory-effect
- Ergonomic design, fits in the palm of your hand
- Wire cloning capability
- Ni-MH standard and varieties of optional batteries including Li-ion
- SMA antenna port
- 2-level attenuator

V models only

- Direct frequency input through illuminated keypad
- DTMF encode and auto-dialer

144MHz FM HANDHELD TRANSCIVER

DJ-V17

430MHz FM HANDHELD TRANSCIVER

DJ-V47



222MHz FM HANDHELD TRANSCIVER

DJ-V27



rear view



upper view

Standard Accessories

| Antenna / As per images | | | |
|---|--|--|--|
| V17 amateur : EA-141 V27T : EA-160 V47 : EA-143 V17R/TFH : EA-142 V17L : EA-145 | Belt-clip EBC-22 & Hand strap | Wall Charger EDC-146 :120V EDC-147 :230V EDC-148 : UK:230V UK plug | Battery Pack EBP-65 Ni-MH 7.2V 700mAh |

Specifications

General

| | |
|-----------------|---|
| Frequency-range | V17T: TX 144~147.995MHz / RX 130~173.995MHz V17E: TX/RX 144~145.995MHz V27T: TX 222~224.995MHz / RX 216~249.995MHz V47T: TX 420~449.995MHz / RX Approx.420~460MHz V47E: TX/RX 430~439.995MHz V17R/TFH: TX 136~173.995MHz / RX 130~173.995MHz (*Guaranteed) TX/RX 150~173.995MHz* |
| V17L: | TX / RX 36~47.995MHz |

| | |
|--------------------------|--|
| Modulation | F3E (FM) |
| Channel steps | 5.10, 12.5, 15, 20, 25, 30kHz |
| Memory channels | 200 channels + 1 call channel + 1 Repeater-Access function memory |
| Antenna impedance | 50Ω unbalanced |
| Frequency stability | V17 & V17L: ±5ppm / V47 & V27T: ±2.5ppm |
| Mic. impedance | 2kΩ |
| Power supply requirement | DC 7.0~16.0V (EXT DC-IN) |
| Current drain (Approx.) | At 5W TX /13.8V DC V17: 1.4A V17L, V47 & V27T: 1.6A 250mA Receive at 500mW / 70mA Stand-by 25mA Battery save on |
| Temperature range | External DC: -10°C~+60°C (+14°F~+140°F) Battery packs: -10°C~+45°C (+14°F~+113°F) |

| | |
|-------------------------|--|
| Ground | Negative ground |
| Dimensions with EBP-65N | 58(W)x110(H)x36.4(D)mm 2.28"(W)x4.33"(H)x1.43"(D)inches |
| Weight | Approx. 280g / 9.9oz with EBP-65N & antenna |

Transmitter

| | |
|------------------------|---|
| Output power (Approx.) | V17, V17L & V27T: 5W / V47: 4W with EBP-65N 5W at DC 13.8V 0.8W (Low) |
| Modulation | Variable reactance frequency modulation |
| Spurious emission | -60dB or less |
| Max. deviation | ±5kHz |
| Mic. impedance | 2kΩ |

Receiver

| | |
|--------------------------|--|
| Receive system | Double-conversion superheterodyne |
| Intermediate frequencies | 1st IF V17: 21.7MHz / 2nd IF 450kHz 1st IF V47 & V27T: 38.85MHz / 2nd IF 450kHz 1st IF V17L: 10.7MHz / 2nd IF 450kHz |
| Sensitivity | V17 & V17L: -14.0dBμ (0.2μV) or less V47 & V27T: -12.0dBμ (0.25μV) or less |
| Selectivity | -6dB: 12kHz or more -60dB: 26kHz or less |
| Audio output power | 500mW (MAX) 400mW (8Ω, 10% THD) |

LOW-VHF FM HANDHELD TRANSCIVER

DJ-V17L

VHF FM HANDHELD TRANSCIVER

DJ-V17R/TFH

These products are designed for commercial users with proper permissions only. These products are NOT FCC/CE type-approved under the Land-Mobile categories.

Double Your Radio Fun with this Tough Talker Dual Band HT!

- 144/430MHz dual-band handheld transceiver
- Choice of 3 power output levels: High 5W(13.8VDC), Low 0.5W and userselectable Mid-power (1-3W)
- Quick-write memory channel (Uses a single key touch to copy current VFO data to the lowest number of memory channels available)
- Direct frequency input through illuminated keypad
- High-grade water-resistant materials compatible to IPX7
- Rugged polycarbonate body resists dirt and dust
- Great audio with large 40mm internal speaker
- Easy-to-read backlit alphanumeric display
- 200 Memories, plus one call channel on each band
- VFO, Memory and Scan modes
- 39 CTCSS tone squelch (encode + decode) and 104 DCS
- Search-scan (programmed scanning) available on each band
- Tone burst function (1000, 1450, 1750 and 2100Hz)
- Battery-drain function avoids memory effect
- Two-touch repeater-setting access
- Internal VOX
- Wire cloning capability
- SMA antenna port
- 2-level attenuator
- DTMF encode and auto-dialer and more!



E-version with EDC-159E



144/430MHz FM DUAL BAND HANDHELD TRANSCIVER

DJ-V57



Specifications

* Specifications subject to change without notice or obligation.

General

| | |
|--------------------------|--|
| Frequency-range | [T:TX] 144~147.995MHz, 420~449.995MHz [T:RX] 136~173.995MHz, 400~511.995MHz [E:TX/RX] 144~145.995MHz, 420~439.995MHz |
| Modulation | F3E (FM) |
| Channel steps | 5.10, 12.5, 15, 20, 25 & 30kHz |
| Antenna impedance | 50Ω unbalanced |
| Frequency stability | ±2.5ppm |
| Power supply requirement | DC 7.0~16.0V (EXT DC-IN) |
| Current drain (Approx.) | TX: 1.6A VHF/ 1.9A UHF at 13.8V DC RX: 250mA Receive at 500mW 80mA stand-by/27mA Battery save on |
| Temperature range | External DC: -10°C~+60°C (+14°F~+140°F) Battery packs: -10°C~+45°C (+14°F~+113°F) |
| Ground | Negative ground |
| Dimensions with EBP-65N | 58(W)x110(H)x34(D)mm 2.28"(W)x4.33"(H)x1.34"(D)inches |
| Weight | Approx. 270g / 9.6oz with EBP-63 & antenna |

Transmitter

| | |
|------------------------|---|
| Output power (Approx.) | DC 13.8V :5W/2W/0.5W EBP-63/64/65/66 :VHF 5W/UHF 4.5W /2W/0.5W |
| Modulation | Variable reactance frequency modulation |
| Spurious emission | -60dB or less |
| Max. deviation | WFM ±5kHz/NFM ±2.5kHz |
| Mic. impedance | 2kΩ |

Receiver

| | |
|--------------------------|---|
| Receive system | Double-conversion superheterodyne |
| Intermediate frequencies | 1st IF : 38.85MHz / 2nd IF 450kHz |
| Sensitivity (12dB SINAD) | VHF: -14.0dBμ (0.2μV) or less UHF: -12.0dBμ (0.25μV) or less |
| Selectivity | -6dB: 12kHz or more / -60dB: 35kHz or less |
| Audio output power | More than 400mW(8Ω 10% THD) / 500mW(MAX) |

Standard Accessories

| Standard Accessories | | T-version | | E-version | |
|----------------------|-----------------------------------|-----------|---|-----------|---|
| | Antenna EA-114 | | Belt-clip EBC-22 & Hand strap | | Battery Pack EBP-64 Long life Li-Ion 7.4V 1600mAh |
| | Rapid Charger EDC-159T 120V | | Battery Pack EBP-63 Thin type Li-Ion 7.4V 1100mAh | | Rapid Charger EDC-159E 230V |

Options & Spares

| | | | | | | | | | | | | | | | |
|--|--|--|--|--|---|--|---|--|--|--|------------------------------|--|--|--|--------------------------------|
| | Battery Pack EBP-66 Long life Ni-MH 7.2V 2000mAh | | Trickle Charger EDC-143 T: 120V E/UK: 230V for 1 & 2 | | Battery Pack EBP-63 Thin type Li-Ion 7.4V 1100mAh | | Battery Pack EBP-64 Long life Li-Ion 7.4V 1600mAh | | Dry cell case EDH-34 uses 6XAA cells | | Speaker microphone EMS-62 | | Earphone microphone EME-32A heavy-duty | | Earphone microphone EME-36A |
|--|--|--|--|--|---|--|---|--|--|--|------------------------------|--|--|--|--------------------------------|

Charges all batteries

| | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|---|--|---|--|--------------------------------------|--|--------------------------------------|--|-----------------------|--|--------------------------------|
| | Rapid Charger EDC-144 A: 120V E/UK: 230V for 1~4 | | Multiple-Quick Charger Basket EDC-144R An external DC power supply required | | Multiple-Trickle Charger Basket EDC-143R | | Rapid Charger EDC-159 T: 120V E: 230V for 3 & 4 | | Rapid Charger EDC-160 T: 120V E: 230V for 1 & 2 | | MIC/SP conversion cable EDS-10 | | MIC/SP conversion cable EDS-14 | | Clone cable EDS-11 | | Soft Case ESC-41 for 1~5 |
|--|--|--|--|--|--|--|---|--|---|--|--------------------------------------|--|--------------------------------------|--|-----------------------|--|--------------------------------|

Power, Features and Convenience. Great communications start here !

Alinco has created a new 2 meter HT that sets new standards in features, convenience and easy operation. The DJ-175 sports an alphanumeric display for easy memory management. It has an ergonomic design that's "user friendly" and the 5-watt output battery is standard. Be prepared for virtually any selective calling situation or gaining access to repeaters with 39-tone CTCSS, 104 DCS, Tone-bursts and DTMF encoding, all included at No extra costs. Best of all, DJ-175 retains the proud Alinco tradition of quality construction and excellent value.

- Two-touch Repeater Access
- Rugged polycarbonate body
- Highly visible backlit alphanumeric display
- Direct frequency input through illuminated keypad
- 200 memories plus 1 CALL channel
- VFO, Memory and Scan modes
- Ultra-flexible antenna with SMA port
- CTCSS encode+decode / 39 tones
- DCS encode+decode / 104 codes
- 1000,1450,1750 and 2100Hz Tone-bursts
- Battery-drain functions avoids memory-effect
- Ergonomic design, fits in the palm of your hand
- Wire-cloning capability
- 3 levels of output power (5 / 2 / 0.5W)
- Clean, crisp and powerful 500mW Audio

Specifications

| General | | |
|--------------------------------|--|--|
| Frequency-range | [T] | TX 144~147.995MHz *144~147.995MHz RX 136~173.995MHz *144~147.995MHz |
| | [E] | TX 144~145.995MHz *144~145.995MHz RX 144~145.995MHz *144~145.995MHz |
| | [TFH] | TX 136~173.995MHz *150~173.995MHz RX 136~173.995MHz *150~173.995MHz |
| | | * Guaranteed range per specifications |
| Modulation | F3E (FM) | |
| Channel steps | 5,10, 12.5, 15, 20, 25, 30kHz | |
| Antenna impedance | 50Ω unbalanced | |
| Frequency stability | ±2.5ppm | |
| Mic. impedance | 2kΩ | |
| Power supply requirement | 7.2V Battery only / External DC port is NOT available. | |
| Current drain (Approx.) | 1.5A Transmit high at 5W/ 250mA Receive at 500mW | |
| | 70mA Stand-by / 30mA Battery save on | |
| Temperature range | External DC: -10°C~+60°C (+14°F~+140°F) | |
| | Battery packs: -10°C~+45°C (+14°F~+113°F) | |
| Ground | Negative ground | |
| Dimensions (with battery pack) | 58(W)x107.5(H)x36.3(D)mm 2.28(W)x4.23(H)x1.43(D) inches | |
| Weight | Approx. 245g/ 8.7oz with EBP-72 & antenna | |

Transmitter

| | | |
|------------------------|---|--|
| Output power (Approx.) | 5W (High)/ 2W (Middle)/ 0.5W (Low) | |
| Modulation | Variable reactance frequency modulation | |
| Spurious emission | -60dB or less | |
| Max. deviation | ±5kHz (Narrow band model ±2.5kHz) ** | |
| Mic. impedance | 2kΩ | |
| | ** Narrow-FM models available depending on areas of distribution. | |

Receiver

| | | |
|---------------------------------|---|--|
| Receive system | Double-conversion superheterodyne | |
| Intermediate frequencies | 1st IF 21.7MHz / 2nd IF 450kHz | |
| Sensitivity(12dB SINAD) | -14.0dBμ (0.2μV) or less | |
| Selectivity | -6dB: 12kHz or more / -60dB: 26kHz or less (Narrow band models: -6dB: 6kHz or more / -60dB: 14kHz or less) | |
| Audio output power (8Ω 10% THD) | 500mW (8Ω, MAX)/400mW | |



144MHz FM HANDHELD TRANSCEIVER DJ-175



Alphanumeric Display
Shown with EDC-164 (Li-ion Charger)



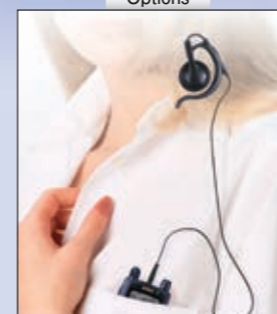
Ergonomically designed
battery pack

| Standard Accessories | | | | Options | | |
|--|--|--|---|--|--|---------------------|
| | | | | | | |
| Flexible whip antenna T/ E : EA-141 TFH : EA-142 | Belt-clip EBC-17 & Hand strap | Battery Pack EBP-72 Ni-MH 7.2V 700mAh | Trickle Charger EDC-165 T:120V E:230V UK:230V UK plug | Battery Pack EBP-71 Li-ion 7.4V 1200mAh | Li-ion Charger EDC-164 T:120V E:230V UK:230V UK plug | Soft Case ESC-49 |

Please refer P.7
for more accessories



Options



EME-27 Earphone
*For shirt-pocket (cable length 50cm)



Actual size

144 / 430MHz FM DUAL BAND HANDHELD TRANSCEIVER DJ-C7



| Standard Accessories | | | Options | | | | | | | |
|--|--|-------------------|---|---------------------|---|--|------------------------------|---|----------------------------|----------------------|
| | | | | | | | | | | |
| Battery Pack EBP-58N Li-ion 3.7V 600mAh | Wall Charger & AC adapter EDC-126 : 120V EDC-127(UK) : 230V EDC-128 : 230V | Antenna EA-116 | Cigar-Plug EDH-32 Conversion 12/24V-6V | Soft Case ESC-38 | Speaker microphone EMS-60 single plug | Earphone microphone EME-24 curl-cord | Earphone microphone EME-2 | Earphone EME-25 curl-cord 2.5φ | Earphone EME-18 2.5φ | Belt-pouch ESC-34 |

Specifications

General

| | |
|------------------------|---|
| Frequency range & Mode | C7T(F3E) TX : 144~147.995MHz 420~449.995MHz C7E(F3E) TX : 144~145.995MHz 430~439.995MHz C7T/RX: 88.1~107.995MHz(WFM) 108~173.995MHz(AM/FM) 380~511.995MHz(FM) C7E RX : 144~145.995MHz, 430~439.995MHz(FM) C7E only RX : 87.5~107.995MHz(WFM) |
|------------------------|---|

| | |
|--------------------------|--|
| Channel steps | 5, 10, 12.5, 15, 20, 25, 30kHz |
| Memory channel | 200 channels + 1 Primary channel + 10 PS pairs |
| Antenna impedance | 50Ω unbalanced |
| Frequency stability | -7~+3ppm |
| Power Supply requirement | DC 3.7~6.0V EXT DC-IN, Negative ground |
| Current drain | Approx. 230mA(VHF)/320mA(UHF) TX high |
| | Approx. 70mA stand-by |
| | Approx. 19mA Battery save on |
| Temperature range | External DC: -10°C~+60°C / +14°F~+140°F |
| | Battery packs: -10°C~+45°C / +14°F~+113°F |
| Dimensions with EBP-58N | 58(W)x98(H)x14.5(D)mm |
| | 2.28(W)x3.78(H)x0.57(D) inches |
| Weight | Approx. 102g / 3.59oz with EBP-58N & antenna |
| Subaudible Tone (CTCSS) | encode/decode 39 tones |

Transmitter

| | |
|------------------------|---|
| Output power (Approx.) | 300mW with EBP-58N |
| | 500mW at DC 6.0V |
| Modulation | Variable reactance frequency modulation |
| Spurious emission | -60dB or less |
| Max. deviation | ±5kHz |

Receiver

| | |
|-------------------------|---|
| System | Double-conversion superheterodyne |
| Sensitivity(12dB SINAD) | Ham band : -15.0dBμ or less |
| | WFM : -3.0dBμ averag |
| Intermediate frequency | 1st IF 50.85MHz, 10.7MHz(WFM) / 2nd IF 450kHz |
| Selectivity | -6dB: 12kHz or more |
| | -60dB: 35kHz or less |
| Audio output power | 90mW (8Ω, 10% THD) |

Pocket Some Radio Power!

- Ultra-compact, thin and light-weight body!
- 300mW with standard lithium-ion battery
- Internal speaker with great audio!
- 200 Memories
- VFO and Memory scan modes
- 39 CTCSS tone squelch (encode+decode) settings
- Tone burst function (1000, 1450, 1750 and 2100Hz)
- Split function
- Cloning feature
- SMA antenna port
- Programmable auto repeater setting

Optional Accessories

Accessories

Handheld Transceivers with 2-pin straight plug

| DC Cables | | | PC Cables | | | Earphones/Earphone microphones | |
|-----------------------|-----------------------|------------------------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|---------------------|
| Cigar-Plug EDC-36* | Cigar-Plug EDC-43* | External DC cable EDC-37* | PC Programming cable ERW-7* | PC Programming cable ERW-4C* | PC Programming cable ERW-8 | Earphone EME-6* | Earphone EME-26* |
| | | | | | | | |
| Noise filter | for charging | for external power supply | USB port | serial port | USB port | 3.5 φ | curl-cord 3.5 φ |

* EDS-10/14 required for DJ-V17~57/G7 series.

| Speaker microphone | Headset with VOX | Headset with VOX | Earphone microphone | Earphone microphone | Earphone microphone |
|--------------------|--------------------------|---------------------------|-------------------------------|---------------------|------------------------|
| | | | | | |
| EMS-59* | EME-12A* Speaker type | EME-13A* Earphone type | EME-15A* with VOX/earphone | EME-34A* | EME-21A* Heavy-duty |

About IPX7 symbol



The IPX7 designation provides for limited waterproofing of the radio. The specifications are immersion in one meter (approx 3ft) of still water for up to 30 minutes. 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 genuine Alinco water-proof accessories and the radio has not been disassembled by the customer. The factory has tested and made the equipment compatible to IPX7 certification during engineering. However, please understand that this equipment is NOT certified IPX7 compliant but is designed to remain operational when used in rain, severe weather or in accidental cases of dropping it in water when used in extreme conditions and is in no way stating that you should attempt use the radio under water or submerge the radio for cleaning. Warranty will not cover radios that are water damaged due to negligence or misuse of the product.

Accessories

Wide Band Communications Receiver & Desktop Communications Receiver

Free utility/control software are downloadable from <http://www.alinco.com>

| Model | Battery Pack EBP-58N | Battery Pack EBP-57N | Battery Pack EBP-74 | Trickle Charger EDC-154A/E | Quick Charger EDC-174 | Quick Charger EDC-139/140/141 | Charger-adaptor EDC-126~128 | Cigar-Plug EDH-32 | Cigar-Plug EDH-33 | Curl-cord earphone EME-25 |
|--------|-------------------------|--------------------------|------------------------|--------------------------------|--------------------------|----------------------------------|----------------------------------|--------------------------|----------------------------|------------------------------|
| | | | | | | | | | | |
| | Li-ion 3.6V 500mAh | Ni-MH 1.2V 1800mAh x2 | Li-ion 3.7V 1800mAh | 120V : 154A 230V : 154E/EUK | Drop-in charger stand | 120V : 139 230V : 140/141(UK) | 120V : 126 230V : 127(UK)/128 | Conversion 12V/24V~6V | Conversion 12V/24V~5.5V | 2.5mmφ |
| DJ-X11 | | | Standard | | Standard | | | | | |
| DJ-X30 | | | | | | | | | | |
| DJ-X7 | Standard | | | | | | | | | Standard |

| Model | Curl-cord earphone EME-26 | Antenna EA-133 | Antenna EA-154 | Hand strap BB-0009 | Earphone EME-6 | Earphone EME-18 | Earphone EME-27 | ESC-38 | ESC-44 | ESC-50 |
|--------|------------------------------|-------------------|-------------------|-----------------------|-------------------|--------------------|----------------------------|--------|--------|--------|
| | | | | | | | | | | |
| | 3.5mmφ | | | | 3.5mmφ | 2.5mmφ | 2.5mmφ for shirt-pocket | | | |
| DJ-X11 | | | Standard | Standard | | | | | | |
| DJ-X30 | | | Standard | Standard | | | | | | |
| DJ-X7 | | Standard | | | | | | | | |

| Model | PC interface cable ERW-4C | PC interface cable ERW-7 | PC interface cable ERW-8 | Remote cable EDS-12 | Belt-clip EBC-18 | Belt-clip EBC-23 | Dry cell case EDH-36 |
|--------|------------------------------|-----------------------------|-----------------------------|------------------------|---------------------|---------------------|-------------------------|
| | | | | | | | |
| | Serial port | USB port | USB port | | | | |
| DJ-X11 | △* | △* | ○ | ○ | | Standard | Standard |
| DJ-X30 | ○ | ○ | ○ | ○ | Standard | | |
| DJ-X7 | ○ | ○ | ○ | ○ | | | |

* Usable for Clone-utility software only.

| Model | Cigar-Plug EDC-36 | PC interface cable ERW-7 | Separate kit EDS-17 | DC cable EDC-37 |
|-------|----------------------|-----------------------------|--------------------------------------|--------------------|
| | | | | |
| | | | 5m cable, panel cover, bracket EBC-8 | |
| DJ-X8 | | | | Standard |

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

Come experience the excitement of HF analog and SDR!

All models

- General coverage receiver 150KHz~30MHz in AM/SSB/CW/FM
- Rugged, die-cast chassis and huge LCD display
- Front-speaker and powerful 2W audio output makes it easy to hear signals
- Narrow ceramic filters (AM 2.4KHz/SSB 1KHz) and 0.5KHz CW audio-filtering
- Dual VFO, 3 banks/600 memory channels, two sets of programmed search pairs and varieties of scanning modes
- IF shift, RIT, Noise blanker, 4-level RF preamp /attenuator, Auto-power-off, Sleep-timer, Dial/Key locks, indicator illumination and more at no extra cost.
- Computer utility software makes it easy to manage settings and edit memories

DX-SR9T/E only

- Internal data/voice VOX eliminates optional interface box for PC connection
- Optional mechanical filter insertion capabilities

[About SDR]

The SDR system in DX-SR9 consists of I/Q signal output and a mixer circuit. It requires a high quality sound device (internal or USB-interface) and PC specs as follows. Please remember; Higher the PC spec, Better the SDR performance!

- OS: Windows Vista, 7 and 8
- CPU: Intel Core i5 2.4GHz equivalent or faster
- Memory: 2GByte or more
- Display resolution/color: 1024x768pixel, 32bit or more
- Sound device: 48KHz 16bit sampling, capable of stereo record/replay (Tested with Creative Sound Blaster series)
- Mouse: Center wheel and High-speed scroll feature
- Cables: A pair of commonly available audio cables with 3.5mm stereo-plug
- PC Speaker, PC microphone or headset(with microphone)

※ BEFORE you decide to purchase DX-SR9, please visit alinco.com to download the KG-TRX SDR software. Please read the included instruction manual and start the program to understand how it works. If it may not satisfy your demand for SDR operation, just delete the downloaded file to uninstall. Alinco and its distributors are not responsible of compatibility troubles with your PC systems.



HF 100W ALL-MODE+SDR TRANSCEIVER
DX-SR9

NEW

HF 100W ALL-MODE TRANSCEIVER
DX-SR8



Options

*See the back-cover for power supplies.

Shown with EDS-17

| | | |
|-----------------------------|--|--|
| | | |
| Auto antenna tuner EDX-2 | Separate kit EDS-17 5m cable, panel cover, bracket EBC-8 | Filter holder EJ-59U DX-SR9 only |

Standard accessory

- EMS-53 (SR8: Electret condenser) or EMS-64 (T/E models: Dynamic)
- DC cable ● Microphone hanger EBC-7

DX-SR9/SR8

Specifications

| General ALL MODELS | |
|----------------------------|--|
| Operating mode | J3E (USB, LSB), A3E (AM), A1A (CW), F3E (FM) |
| Number of memory channels | 600 channels simplex |
| Antenna impedance | 50Ω unbalanced |
| Frequency stability | ±1ppm |
| Power requirement | 13.8V DC ±15% (11.7 to 15.8V) |
| Ground method | Negative ground |
| Current drain | Receive 1.0A (max.) 0.7A (Squelched) |
| | Transmit 20A |
| Operating temperature | -10°C to 60°C (+14°F to +140°F) |
| Dimensions | 240(W)×94(H)×255(D) mm (9.45"(W)×3.7"(H)×10"(D)) |
| (Projections not included) | 240(W)×100(H)×293(D) mm (9.45"(W)×3.94"(H)×11.54"(D)) |
| Weight | Approx. 4.1kg (9 pounds) |

Transmitter

| Power output | SSB, CW, FM | 100W (Hi) Approx.10W (LOW) Approx. 1W (S-LOW) |
|----------------------|---|--|
| | AM | 40W (Hi) Approx. 4W (LOW) Approx. 0.4W (S-LOW) |
| Modulation system | SSB | Balanced modulation |
| | AM | Low power modulation |
| | FM | Reactance modulation |
| Spurious emissions | Less than -50dB (Less than -45dB in 30m band) | |
| Carrier suppression | More than 40dB | |
| Unwanted sideband | More than 50dB (1kHz) | |
| Maximum FM deviation | ± 2.5kHz | |

Receiver

| Receiver type | | Double conversion superheterodyne | |
|------------------------------------|----------------------|-----------------------------------|----------------|
| Sensitivity | SSB | (0.15 to 1.8MHz) | 0dBu(1uV) |
| | CW | (1.8 to 30MHz) | -12dBu(0.25uV) |
| | AM | (0.15 to 1.8MHz) | +20dBu(10uV) |
| | FM | (1.8 to 30MHz) | +6dBu(2uV) |
| Intermediate frequency | 1st | 71.75MHz | 2nd 455kHz |
| | SSB, CW, AM (narrow) | 2.4kHz/-6dB | 4.5kHz/-6dB |
| Selectivity | AM, FM | 6kHz/-6dB | 18kHz/-6dB |
| Spurious and image rejection ratio | | More than 70dB | |
| Audio output power | | More than 2.0W (8Ω, 10%THD) | |
| RIT variable range | | ±1.2kHz | |

DX-SR8 (General coverage)

| | |
|-----------------------------|----------------------|
| Microphone impedance | 2kΩ |
| Transmit Frequency coverage | 1.6MHz - 29.99999MHz |
| Receiver Frequency coverage | 30kHz - 34.99999MHz |

Note: This version is not for amateur-radio use and may not be available to all countries of distribution. Proper commercial-use license is required.

T-models (USA/Canadian Amateur)

| Microphone impedance | | 300Ω |
|-----------------------------|----------------------|--|
| Transmit Frequency coverage | 160m band (1.8M) | 1.80000 - 1.99999MHz |
| | 80m band (3.5M) | 3.50000 - 3.99999MHz |
| | * 60m band (5.3M) | 5.33050MHz - 5.34650MHz 5.36650MHz - 5.37150MHz 5.40350MHz |
| | 40m band (7M) | 7.00000 - 7.29999MHz |
| | 30m band (10M) | 10.10000 - 10.14999MHz |
| | 20m band (14M) | 14.00000 - 14.34999MHz |
| | 17m band (18M) | 18.06800 - 18.16799MHz |
| | 15m band (21M) | 21.00000 - 21.44999MHz |
| | 12m band (24M) | 24.89000 - 24.98999MHz |
| | 10m band (28M) | 28.00000 - 29.69999MHz |
| Receiver Frequency coverage | 135kHz - 29.99999MHz | |

E-models (European and other regions Amateur)

| Microphone impedance | | 300Ω |
|-----------------------------|----------------------|------------------------|
| Transmit Frequency coverage | 160m band (1.8M) | 1.80000 - 1.99999MHz |
| | 80m band (3.5M) | 3.40000 - 3.99999MHz |
| | 60m band (5.3M) | --- |
| | 40m band (7M) | 6.90000 - 7.49999MHz |
| | 30m band (10M) | 9.90000 - 10.49999MHz |
| | 20m band (14M) | 13.90000 - 14.49999MHz |
| | 17m band (18M) | 17.90000 - 18.49999MHz |
| | 15m band (21M) | 20.90000 - 21.49999MHz |
| | 12m band (24M) | 24.40000 - 25.09999MHz |
| | 10m band (28M) | 28.00000 - 29.99999MHz |
| Receiver Frequency coverage | 135kHz - 29.99999MHz | |

Note: All specifications are subject to change without notice or obligation.
※ Receive performance is degraded below 500 KHz.



Restriction may apply to receive communications such as public-safety, air-band etc. in some countries. Please consult with the local authority before operating these products.

Feature-Packed with SUPER Audio, SMALL Size!

- "Credit card" size body weighing only 103g (3.62oz) fits right in your pocket or purse
- Receives 100 kHz to 1.3 GHz
- Triple conversion AM/NFM; double conversion WFM
- AM/FM/WFM modes selectable regardless of the frequency range
- 1,000 memory channels
- Easy to program with free downloadable software (optional cable required)
- Five scan modes: Preset, programmed, memory, VFO and tone scan
- Lithium Ion battery-pack lets you operate almost a full day without recharging!
- Three different antenna modes - earphone, internal bar and external SMA; an optional external base-antenna is also usable
- 39-tone Tone squelch
- Attenuator (approx. 20dB)
- Auto-Power-Off
- Key-touch beep
- Battery-save
- Priority receive
- Monitor/Mute
- Memory-protect
- Cable-clone
- Key-lock
- Pager (bell) function alerts you with a beep and an icon when a signal is received
- Standard adapter charges the Li-Ion battery AND operates with AC power even at the same time
- PC programmable
- Illuminated LCD
- Analog inversion scrambler decoding (available on E-version only)

* Cellular frequencies blocked in T-version
** Operating times may vary subject to usage and settings

Specifications

General

- **Frequency coverage:** 0.1~1299.995MHz (T-version cellular-band blocked 824~849.995, 869~894.995MHz)
- **Mode:** A3E (AM) F3E (FM, WFM)
- **Memory channels:** 1000 channels
- **Antenna connector:** SMA 50Ω unbalanced
- **Frequency stability:** -7~+3ppm
- **Power supply:** 3.7V DC EBP-58N / 3.7~6.0V DC negative ground
- **Current drain (Approx.):** 90mA average / 65mA stand-by / 22mA Battery save on
- **Usable temp. range:** -10~ +60°C / 14~140°F
- **Dimensions:** 58(W)×96(H)×14.5(D)mm / 2.28"×3.78"×0.57" inches
- **Weight:** Approx. 103g / 3.62oz.

Receiver

- **Receive system:** Triple conversion superheterodyne
- **Intermediate frequencies:** 1st : 243.95MHz, 2nd : 39.15MHz (NFM, AM) / 10.7MHz (WFM), 3rd : 450kHz (NFM, AM)
- **Sensitivity (AM at 10dB S/N, FM/WFM at 12dB SINAD):** [FM] 30~470MHz : -12dBμ(0.25μV) / 470MHz or higher : -6dBμ(0.5μV), [WFM] 76~470MHz : -2dBμ(0.8μV) / 470MHz or higher : 9dBμ(2.8μV), [AM] 0.1~50MHz : 0dBμ(1.0μV) / 50MHz or higher : -8dBμ(0.4μV) 10dB S/N
- **Selectivity:** [AM/FM] -6dB : 12kHz or more, [AM/FM] -60dB : 35kHz or less, [WFM] -6dB : 130kHz or more, -60dB : 300kHz or more
- **Audio output power:** More than 100mW(8Ω max)



The "Card-Size"
DJ-X7 CE FC IC

Put the world in your pocket!

- Compact design (only 165g or 5.82oz/Ant.inclusive) fits easily into pocket or purse
- Receives 100 KHz to 1.3 GHz
- Triple conversion AM/NFM; double conversion WFM
- AM/FM/WFM modes selectable regardless of the frequency range
- 1,000 memory channels in 10 banks; banks can be expanded up to 50 using free downloadable, easy-to-program editor software
- Optional EDS-12 cable can be used for remote-control and AUX capability
- Five scan modes: Preset, programmed, memory, VFO and tone scan operating modes
- Memory-skip setting in the memory mode and search-pass setting
- Priority receive (stores up to 10 priority channels in memory)
- Internal AA battery lets you operate almost a full day!
- Three different antenna modes - earphone antenna, internal bar-antenna, and external SMA antenna; an optional external base-antenna can also be connected to the SMA port
- Auto or 16 different channel-steps to choose from
- 2-Way Key-lock
- Key-touch beep (on/off selectable), 39-tone Tone squelch, Attenuator (approx 20dB), Battery-save, Auto-Power-Off, Cable-clone, Monitor/Mute functions and many more "extras" are standard in the DJ-X30
- Pager (bell) function alerts you with a beep and an icon when a signal is received
- Optional adapter can operate the receiver while simultaneously charging the Ni-MH AA cells
- Large, illuminated LCD screen capable of up to 6-digit alphanumeric display
- Analog inversion-scramble decoder

Specifications

General

- **Frequency coverage:** 0.100~1299.995MHz (824.000~849.995MHz, 869.000~894.995MHz blocked on T models. EGR version receives only broadcast and Ham bands.)
- **Mode:** A3E (AM) F3E (FM, WFM)
- **Memory:** 1000 ch
- **Antenna connector:** SMA 50Ω unbalanced
- **Frequency stability:** -7~+3ppm
- **Power supply:** 3.7V DC EBP-58N / 3.7~6.0V DC negative ground
- **Current drain (Approx.):** 90mA average / 65mA stand-by / 22mA Battery save on
- **Usable temp. range:** -10~ +60°C / 14~140°F
- **Dimensions:** 58(W)×96(H)×14.5(D)mm / 2.28"×3.78"×0.57" inches
- **Weight:** Approx. 103g / 3.62oz.

Receiver

- **Receive system:** Triple conversion superheterodyne
- **Intermediate frequencies:** 1st : 243.95MHz, 2nd : 39.15MHz (NFM, AM) / 10.7MHz (WFM), 3rd : 450kHz (NFM, AM)
- **Sensitivity (AM at 10dB S/N, FM/WFM at 12dB SINAD):** [FM] 30~470MHz : -12dBμ(0.25μV) / 470MHz or higher : -6dBμ(0.5μV), [WFM] 76~470MHz : -2dBμ(0.8μV) / 470MHz or higher : 9dBμ(2.8μV), [AM] 0.1~50MHz : 0dBμ(1.0μV) / 50MHz or higher : -8dBμ(0.4μV) 10dB S/N
- **Selectivity:** [AM/FM] -6dB : 12kHz or more, [AM/FM] -60dB : 35kHz or less, [WFM] -6dB : 130kHz or more, -60dB : 300kHz or more
- **Audio output power:** More than 100mW(8Ω max)



Selectable-KeyBoard
DJ-X30 CE FC IC

Get the power of a desk-top in a handheld radio!

- 2VFO simultaneous RX
- Main-band coverage: 0.05 ~ 1,299.9995MHz all mode AM/FM/WFM/SSB/CW (BFO receive, not filtered) Receives short-wave! (An external antenna required for practical monitoring.)
- Sub-band coverage: VHF:118 ~ 171MHz/UHF:336 ~ 470MHz in AM/NFM
- IQ and discriminator signal outputs for connections to 3rd party receiver software like SDR and AIS plotters.
- Real-time control using PC with an optional ERW-8 cable
- Voice-guidance reads the displayed frequencies in English
- TSQ and DCS decode
- Wire remote-control using optional EDS-12
- Long-lasting 1800mAh Li-Ion standard battery pack provides nearly 15 hours of operation at full audio output in a single RX mode
- 1200 Alphanumeric (up to 16 characters) memory channels with six types of memory banks
- 100 memory channels for each Dual-mode memory, Search-pass, Priority monitoring and Programmed Scanning pairs
- Illuminated full dot-matrix LCD and keypad
- Pocket size unit measures 61 (W) x 106 (H) x 38 (D) mm / 2.4 (W) x 4.17 (H) x 1.50 (D) in (w/o projections)
- Internal bar antenna for AM broadcast band reception
- Frequency counter and flash tune
- RF gain and attenuator for both main/sub VFOs
- 20 Selectable tuning steps from 0.05KHz to 1MHz
- Standard Drop-in charger fully charges empty EBP-74 in 4 hours
- Various scan modes: Preset, programmed, memory, VFO and tone scan



Patented ChannelScope checks signals on nearby frequencies for both bands



Large illuminated keypad & screen for easy operations

Come Experience the Excitement of Shortwave Radio!

- I/Q signal output allows use of third-party SDR software
- 150 kHz~35MHz (T-model up to 30MHz) in AM/USB/LSB/CW/FM and IQ modes
- Front and rear jacks make connecting accessories easy
- Direct frequency input to the dual VFO system
- Detachable front-control panel offers more mounting options
- Large LCD display makes operation simple
- Front-speaker and powerful 2W audio output makes it easy to hear signals
- Rugged, die-cast chassis
- Narrow ceramic filters (AM 2.4kHz/SSB 1kHz) and 0.5kHz audio-filtering for CW
- 4-level RF preamp/attenuator
- IF shift and RIT reduces interference
- Noise blanker enables clearer reception
- 3 banks/600 memory channels make it easy to save banks of favorite frequencies
- Two sets of programmed search pairs and varieties of scanning modes
- Auto-power-off, Sleep-timer, Dial and Key locks, RX indicator illumination and more!
- Computer utility software makes it easy to manage settings and edit memories
- Monitor shortwave signals from aviation, navigation and data sources
- 7-digit alphanumeric channel tags make operation simple!



LW/MW/SW All Mode +SDR
Desktop Communications Receiver
DX-R8 CE



Free utility/SDR software are downloadable from <http://www.alinco.com>

⚠ This product requires an optional power-supply (3A-class /12Vdc) and an external antenna to operate.

• Cellular frequencies blocked on T model sold in USA, unblocked K model available in Canada and for authorized US users with proper documentation. • Operating times may vary subject to usage and settings. High-grade alkaline cells recommended. • Analog inversion-scramble decoder is available in E-version only. • Sensitivity : Typical value within the declared range.

Specifications

General

- **Frequency coverage:** Main VFO 0.05~1299.9995 MHz All-modes Sub VFO 118~170.995MHz & 336~469.995MHz AM/FM Note: 824~850MHz, 869~895MHz blocked on T models. EGR version receives only broadcasts and Ham bands, 225~335.995 MHz in AM/FM may be usable although off-specification
- **Mode:** FM, WFM, AM, SSB(USB/LSB), CW(CU/CL)
- **Memory channels:** 1200 channels • **Antenna connector:** SMA 50Ω unbalanced
- **Frequency stability:** -7~+3ppm
- **Power supply:** 3.7V DC EBP-74 / 4.5V DC EDH-33 / 5.6~6.0V DC negative ground
- **Current drain (Approx.):** Dual-band 180mA / Mono-band 130mA
- **Usable temp. range:** -10~ +60°C / 14~140°F
- **Dimensions:** 61(W)×106(H)×38(D)mm / 2.4"×4.17"×1.50" inches
- **Weight:** Approx. 235g / 8.29oz.

Receiver

- **Receive system:** Triple-conversion super heterodyne AM/SSB/CW/FM in Main VFO / Double-conversion super heterodyne AM/FM in Sub VFO and WFM in Main VFO
- **Selectivity:** [SSB/CW] -6dB : 2kHz or more -50dB : 7.5kHz or less [AM/FM] -6dB : 12kHz or more -60dB : 35kHz or less [WFM] -6dB : 180kHz ±40kHz -20dB : 470kHz or less
- **Audio output power:** More than 100mW(8Ω max)
- **Sensitivity* (typical value 10dB S/N: AM/SSB/CW 12dB SINAD: FM/WFM)**

| Main-band: | 5dBμ | 221.8~336MHz(AM) | 0dBμ |
|----------------------|--------|----------------------|--------|
| 0.050~0.531MHz(AM) | 5dBμ | 221.8~336MHz(AM) | 0dBμ |
| 0.531~1.62MHz(AM) | 2dBμ | 336~475.75MHz(FM) | -13dBμ |
| 1.62~76MHz(AM) | -5dBμ | 475.75~770MHz(WFM) | -13dBμ |
| 1.62~76MHz(SSB,CW) | -10dBμ | 770~1260MHz(FM) | -9dBμ |
| 1.62~76MHz(FM) | -15dBμ | 1260~1300MHz(FM) | -6dBμ |
| 76~108MHz(WFM) | -3dBμ | Sub-band: | |
| 108~136MHz(AM) | -6dBμ | 118~136MHz(AM) | -3dBμ |
| 136~174MHz(FM) | -14dBμ | 136~170MHz(FM) | -14dBμ |
| 175~221.75MHz(WFM) | -6dBμ | 336~470MHz(FM) | -14dBμ |

• 225~335.995 MHz in AM/FM may be usable although off-specification. Sensitivity is better closer to 336MHz. This band is closed at the default setting.



PC-Friendly, 2VFO simultaneous RX

+SDR
DJ-X11
CE FC IC

Specifications

| | |
|------------------------------------|--|
| Frequency range | T : 150kHz~29.99999MHz E : 150kHz~34.99999MHz |
| Receiving mode | AM/FM/CW/USB/LSB/IQ |
| Antenna impedance | 50Ω unbalanced |
| Ground method | Negative ground |
| Frequency stability | ±1ppm |
| Dimensions (without projections) | 240 (W) x 100 (H) x 293 (D) mm 9.45 (W) x 3.97 (H) x 11.54 (D) in |
| Weight | 4.1 kg (9 lbs) |
| Operating temperature | -10°C to 60°C (+14°F to +140°F) |
| Power requirements | 13.8V DC ±15% (11.7 to 15.8V) |
| Current drain | 1A max |
| Memories | 200 channels × 3 banks = 600ch |
| Receiver type | Double conversion superheterodyne |
| Sensitivity | SSB 0.15 to 1.8MHz 0dBu(1uV) |
| | CW 1.8 to 30MHz -12dBu(0.25uV) |
| | AM 0.15 to 1.8MHz +20dBu(10uV) |
| | FM 1.8 to 30MHz +6dBu(2uV) |
| Intermediate frequency | 1st 71.75MHz 2nd 455kHz |
| Selectivity | SSB, CW, AM (narrow) 2.4kHz/-6dB 4.5kHz/-60dB |
| | AM, FM 6kHz/-6dB 18kHz/-60dB |
| Spurious and image rejection ratio | More than 70dB |
| Audio output power | More than 2.0W (8Ω, 10%THD) |
| RIT variable range | ±1.2kHz |

DR-06/135/235/435

Please refer P.14 for a comparison chart

Monoband Legend Continues

All models

- Huge Alphanumeric Display, up to 7 characters
- 100 memory channels
- Conventional or narrow FM modes (Except DR-03T/narrow mode only)
- Theft alarm feature*
- Four scan modes VFO, Memory, CTCSS tone, DCS tone
- Rugged construction
- Optional multi-function, backlit microphone enables direct frequency entry & more from keypad (T-version standard)
- 10 autodial memories
- Easy to program and operate
- Three output power settings
- Highly stable TCXO (MkIII models only)

*FX/FXE models require optional ADALM-135 cable set.

MkIII models & DR-06T

- Ignition key on / off feature
- Front panel data / GPS port, great for APRS operations
- Wire cloning
- Rear panel D-SUB9 port with optional TNC
- AM Air band Reception (DR-135TMkIII/235T only)
- Optional digital voice board
- Instantly switch from voice to digital mode
- Retains mode and optional digital settings through power on/off cycles



VOICE/DATA FM MOBILE TRANSCIVER

DR-06T^{FC}/M06R



DR-135Mk^{III} CE E FC HT



DR-235TMk^{III} FC



DR-435Mk^{III} CE E FC HT



FM MOBILE TRANSCIVER

DR-135/435FXE CE E



Applicable MIL-STD-810G/Cat.20
Vibration 514.6/Procedure I
Shock 516.6/Procedure I, IV



EMS-57 is optional for E/M06R-models



Specifications DR-135/235/435/06 series

| General | | | | |
|------------------------------|--|--|----------------------------------|--|
| | DR-135 (144MHz) | DR-235 (220MHz) | DR-435 (430MHz) | DR-06T (50MHz) |
| Frequency range | | | | |
| FC TMkIII | TX: 144~147.995MHz RX: 118~135.995MHz(AM) 136~173.995MHz(FM) | 222~224.995MHz 216~279.995MHz (AM & FM) | 430~449.995MHz 350~511.995MHz | 50.000 ~ 53.995MHz 50.000 ~ 53.995MHz |
| CE E EMkIII/FXE | TX/RX:144~145.995MHz | | 430~439.995MHz | |
| Operating mode | 16K0F3E(FM)8K50F3E(Narrow-FM),F1D*,F2D*,F1E* | | | |
| Frequency resolution | 5, 8.33, 10, 12.5, 15, 20, 25, 30, 50 kHz | | | |
| Memory channel | 100channels +1 call channel | | | |
| Ant. impedance | 50Ω unbalanced | | | |
| Frequency stability | ±2.5ppm | | ±7ppm | |
| Microphone impedance | 2kΩ | | | |
| Rated voltage | 13.8V DC ±15%(11.7 to 15.8V) | | | |
| Current (Approx.) | Transmit | DR-135/435 : 12A Max DR-235 : 8A Max | DR-435 : 11A Max | |
| | Receive | 600mA Max / 400mA squelched | | |
| Operating temperature | -10 °C to 60 °C (14 - 140°F) | | | |
| Ground | Negative ground | | | |
| Dimensions | 142(W)×40(H)×174(D)mm(5.58"(W)×1.57"(H)×6.83"(D)) | | | |
| Weight | Approx.1.0kg (35.3oz) | | | |

*Optional board required.

Transmitter

| | DR-135/06T | DR-235 | DR-435 |
|------------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Power output | 50W(HI) 20W(MID) approx.5W(LOW) | 25W(HI) 10W(MID) approx.5W(LOW) | 35W(HI) 20W(MID) approx.5W(LOW) |
| Modulation | Variable reactance | | |
| Spurious emission | -60dB or less | | |
| Maximum frequency deviation | ±5kHz / ±2.5kHz(Narrow mode) | | |

Receiver

| | | | | |
|-------------------------------|---|-------------------------|--------|------------------------|
| Circuitry | Double conversion superheterodyne | | | |
| Sensitivity | -12dB μ (0.25 μ V) or less for 12dB SINAD | | | |
| Intermediate frequency | DR-135 | 1st 21.7MHz 2nd 450kHz | DR-06T | 1st 10.7MHz 2nd 450kHz |
| | DR-235/435 | 1st 30.85MHz 2nd 455kHz | | |
| Squelch sensitivity | -16.0dB μ (0.1 μ V) | | | |
| Selectivity (-6dB) | 12kHz or more/6kHz or more (Narrow mode) | | | |
| Selectivity (-60dB) | 28kHz or less/16kHz or less (Narrow mode) | | | |
| Audio output | 2.0W(8Ω,10%THD) | | | |

Standard Accessories DR-03~435 / 138~438 / DR-635 models

| | | | | | |
|--|--|--|--|--|--|
| | | | | | |
|--|--|--|--|--|--|

Options DR-03~435 models

*See the back-cover for power supplies.

| | | | | | | | |
|--|--|--|--|--|--|--|--|
| | | | | | | | |
|--|--|--|--|--|--|--|--|

*Except DR-03T/135FX/135KW/435FX.

DR-138/438

Best Value, Proven Reliability, Feature packed

- 3 Selectable/Programmable Output Power Levels
- PC-programmable 200ch memories
- 6-digits 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 and more from keypad
- Various scan modes, Key lock, Wide/Narrow operations and more at NO extra cost!



FM MOBILE TRANSCIVER

DR-138



DR-438



Specifications General

| | DR-138 (144MHz) | DR-438 (430MHz) |
|------------------------------|--|-----------------------------|
| Frequency range | | |
| FC HT | TX: 144~147.9975MHz RX: 136~173.9975MHz(FM) | |
| CE E HE | TX/RX:144~145.9975MHz | 430.000~439.9975MHz |
| Operating mode | 16K0F3E(FM)/11K0F3E(NFM) | |
| Frequency resolution | 2.5, 5, 6.25, 8.33, 10, 12.5, 15, 20, 25, 30 and 50kHz | |
| Memory channel | 200channels | |
| Ant. impedance | 50Ω unbalanced | |
| Frequency stability | ±2.5ppm | |
| Microphone impedance | 1kΩ | |
| Rated voltage | 13.8V DC ±15%(11.7 to 15.8V) | |
| Current (Approx.) | Transmit | Less than 10A |
| | Receive | 600mA Max / 300mA squelched |
| Operating temperature | -20°C~-+60°C(-4°F~-140°F) | |
| Ground | Negative ground | |
| Dimensions | 145(W)×47(H)×190(D)mm 5.7×1.85×6.85 inches approx. | |
| Weight | Approx. 1.2kg or 42.3 ounce | |

Transmitter

| | DR-138 | 60W(HI) 25W(MID) 10W(LOW) |
|------------------------------------|------------------------------|---------------------------|
| Power output | DR-438 | 45W(HI) 25W(MID) 10W(LOW) |
| Modulation | 16K0F3E / 11K0F3E | |
| Spurious emission | -60dB or less | |
| Maximum frequency deviation | ±5kHz / ±2.5kHz(Narrow mode) | |

Receiver

| | |
|-------------------------------|---|
| Circuitry | Double conversion superheterodyne |
| Sensitivity | -12dB μ (0.25 μ V) or less for 12dB SINAD |
| Intermediate frequency | 1st 38.85MHz 2nd 450kHz |
| Squelch sensitivity | -17.99dB μ (0.126 μ V) |
| Selectivity (-6dB) | 12kHz or more/6kHz or more (Narrow mode) |
| Selectivity (-60dB) | 28kHz or less/16kHz or less (Narrow mode) |
| Audio output | 2.0W(8Ω,10%THD) |

FM MOBILE TRANSCIVER

DR-135FX/435FX

- 100 memory channels and alphanumeric channel labels
- Large 7-character alphanumeric display operates in 3 different modes (freq., CH, alphanumeric)
- CTCSS and DCS encode + decode plus 4 European tone bursts
- 50-35/20/5 watt power output settings
- Conventional or narrow FM modes
- Optional backlit DTMF microphone usable
- Multiple scan modes
- Cable clone and PC programming capability (within the same models)
- Theft alarm feature
- Optional SmarTrunk[®] logic board

LOW-VHF FM MOBILE TRANSCIVER

DR-135LH

TX/RX : 40~45MHz / 25W

These products are designed for commercial users with proper permissions only. These products are NOT FCC/CE type-approved under the Land-Mobile categories.



Applicable MIL-STD-810G/Cat.20
Vibration 514.6/Procedure I
Shock 516.6/Procedure I, IV

Specifications

DR135/435MkIII series / feature comparison chart

Please refer to DR-135/435 series except for frequencies.

| Feature | Microphone | TX frequency | RX frequency | Freq.Stability | DATA port (DSUB9) |
|-------------------|-----------------------|---------------------------------------|-----------------------|----------------|--------------------|
| DR-135/435TMkIII | EMS-57 DTMF | USA Amateur | Expanded | +/- 2.5ppm | Standard |
| DR-135/435EMkIII | EMS-53 Plain | European Amateur | European Amateur | +/- 2.5ppm | Standard |
| DR-135FXE | EMS-53 Plain | European Amateur | European Amateur | +/- 5ppm | N/A |
| DR-135FX | EMS-53 Plain | 136-174MHz (150-174MHz guaranteed) | 136-174MHz (No AM RX) | +/- 5ppm | N/A |
| DR-435FXE | EMS-53 Plain | European Amateur | European Amateur | +/- 2.5ppm | N/A |
| DR-435FX | EMS-53 Plain | 420-470MHz (450-470MHz guaranteed) | 350-512MHz | +/- 2.5ppm | N/A |
| Feature | TNC/Package operation | Digital Voice Modem | Car-key ON/OFF port | LCD brightness | DC voltage display |
| DR-135/435MkIII's | Optional EJ-41U | Optional EJ-47U | Standard | Bright/Dim | Standard |
| DR-135/435FXE-FX | N/A | N/A | N/A | N/A | N/A |

These products are designed for commercial users with proper permissions only. These products are NOT FCC/CE type-approved under the Land-Mobile categories.

DR-635/638HE

Twin Band Transceiver with Full Duplex Capability

All models

- VHF/UHF full duplex operation includes V/V and U/U modes.
- 200 (DR-635) / 758 (DR-638) Memory channels
- H/M/L power output settings-
- DR-635 / VHF: 50/20/5W UHF: 35/20/5W
- DR-638HE / VHF: 50/25/10/5W,UHF: 40/25/10/5W
- Large 6 character alphanumeric backlit display
- Internal duplexer – single antenna connector
- Removable control head can be remotely mounted or inverted for optimal speaker placement
- Expanded receive ranges
- Power supply voltage display
- Theft alarm feature
- Optional illuminated DTMF microphone (DR-635T/638 standard) allows direct VFO frequency entry and remote control of transceiver
- CTCSS & DCS encode and decode plus four different tone bursts
- CTCSS Tone and DCS scan
- Programmable VFO and Memory scan modes
- Utility software and cable cloning
- High stability / Temperature Compensated Crystal Oscillator
- Ignition key activated power on/off feature

DR-635

- Cross-band repeater (DR-635T only)
- DR-635 Selectable display color illumination (blue, violet or amber)
- DR-635 1200 and 9600 bps packet operation with optional EJ-50U
- DR-635 Digital voice communications with optional EJ-47U

DR-638HE

- 2-tone and 5-tone signaling
- Variety of scan modes and priority channel monitoring
- TOT, BCLO, Talk Around, Reverse and ANI

Options



Specifications

*Optional board required.

General

- **Frequency coverage** : [T:TX] VHF : 144.00~147.995MHz / UHF : 430.00~449.995MHz [T:RX] 108.00~173.995MHz / 335.00~479.995MHz / 87.5~107.995MHz [E] 144~145.995MHz / 430~439.995MHz / 87.5~107.995MHz(RX)
- **Mode** : 16K0F3E(FM)/8K50F3E(Narrow FM)/F1E* (digital voice)/F1D*(9600bps)/F2D*(1200bps)/A3E(RX only/AM)
- **Channel steps**: 5.8,33,10,12.5,15,20,25,30,50,100kHz
- **Memory channels**:VHF/UHF 80channels+1CALL each / Free-programmable 40channels
- **Antenna connector**: 50Ω unbalanced • **Frequency stability**: ±2.5ppm TCXO
- **Power supply requirement**:13.8V DC ±15% negative ground
- **Current drain (Approx.)**: 11A TX high / 0.7A RX max. / 0.5A RX stand-by
- **Usable temperature range**: -10~ +60°C/14~140°F
- **Dimensions**:140(W)×40(H)×185(D)mm/5.5"(W)×1.57"(H)×7.3"(D)inches
- **Weight**: Approx. 1.0kg/35.27oz

Transmitter

- **Output power (Approx.)**: High VHF 50W/UHF 35W, Mid 20W, Low 5W
- **Modulation system**:Variable reactance frequency modulation
- **Spurious emissions**:Less than -60dB
- **Max.frequency deviation**: ±5kHz (Wide mode)/ ±2.5kHz (Narrow mode)

Receiver

- **Receive system**: Double conversion superheterodyne
- **Intermediate frequencies**: VHF : 21.7MHz/ 450KHz UHF : 45.1MHz/455KHz
- **Sensitivity(FM/12dB SINAD)**: Main : -14.0dBμ(0.2μV) / Sub : -12dBμ(0.25μV) or better
- **Selectivity**: -6dB : 12kHz or more/-60dB : 28kHz or less (FM)
- **Audio output power**: More than 2W (8Ω 10% THD)

*"V" may be marked on the package for our inventory purposes but please disregard.

Options See P.11 for standard accessories.



Specifications

General

- **Frequency coverage** : [TX/RX] 144~146MHz / 430~440MHz
- **Mode** : 16K0F3E(FM)/8K50F3E(Narrow FM)/A3E(RX only/AM) • **Channel steps**: 2.5,5,6,25,8,33,10,12.5,15,20,25,30,50kHz • **Memory channels**:758channels • **Antenna connector**: 50Ω unbalanced • **Frequency stability**: ±2.5ppm TCXO • **Power supply requirement**:13.8V DC ±15% negative ground • **Current drain (Approx.)**: 10A TX high / 0.8A RX max. / 0.4A RX stand-by
- **Usable temperature range**: -20~ +60°C/4~140°F
- **Dimensions**:139(W)×40(H)×212(D)mm/5.47"(W)×1.58"(H)×8.58"(D)inches
- **Weight**: Approx. 1.14kg/40.21oz

Transmitter

- **Output power (Approx.)**: High VHF 50W/UHF 40W, Mid1 25W, Mid2 10W, Low 5W
- **Modulation system**:Variable reactance frequency modulation • **Spurious emissions**:Less than -60dB
- **Max.frequency deviation**: ±5kHz (Wide mode)/ ±2.5kHz (Narrow mode)

Receiver

- **Receive system**: Double conversion superheterodyne
- **Intermediate frequencies**: VHF : 38.55MHz/ 450KHz UHF : 46.35MHz/450KHz
- **Sensitivity(FM/12dB SINAD)**: -12dBμ(0.25μV)
- **Selectivity**: -6dB : 12kHz or more/-60dB : 28kHz or less (FM)
- **Audio output power**: More than 2W (8Ω 10% THD)

[Standard accessories]



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

[Spare accessories] *Bracket and DC cable may slightly differ from the original parts.

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

144/430MHz TWIN BAND FM MOBILE TRANSCEIVER

DR-638HE



NEW

*Shown with EDS-9



144/430MHz TWIN BAND FM MOBILE TRANSCEIVER

DR-635



DX-10/03T/M03R

Find the excitement of High HF band!



NEW

28MHz ALL-MODE MOBILE TRANSCEIVER

DX-10

The easy and smooth operation of DX-10 is inherited from popular Alinco amateur radio equipment series such as a large back-lit display, excellent transmit/receive audio, SSB modes, 6 banks with up to 60ch memories each, Dual-watch, Scanning, SWR meter, key-lock and more and more at No extra costs!

Specifications

General

| | |
|-----------------------|--|
| Frequency range | 28.000MHz~29.700MHz |
| Operating mode | SSB/CW/AM/FM |
| Frequency resolution | 10Hz,100Hz,1kHz,10kHz |
| Channels | Up to 60ch per bank, 6 banks |
| Ant. impedance | 50Ω unbalanced |
| Frequency stability | ±1ppm |
| Microphone impedance | 2kΩ |
| Rated voltage | 13.8V DC ±15%(11.7 to 15.8V) |
| Current (Approx.) | Ttransmit : 6A Max Receive : 750mA(Max) 350mA(squelched) |
| Operating temperature | -30 °C~50 °C (-22°F~122°F) |
| Ground | Negative ground |
| Dimensions | 170(W)×52(H)×215(D)mm(6.7"(W)×2.04"(H)×8.4"(D)) |
| Weight | Approx.1.4kg (49.38oz) |

* NO TRADITIONAL VFO, all frequencies are pre-stored in memory with adjustable fine tuning to fully cover the entire band.

Transmitter

| | |
|----------------------|--|
| Power output | FM/AM/CW:1-12W(adjustable) USB/LSB:0-25W(adjustable) |
| Modulation | AM:Amplitude modulation FM:Variable reactance frequency modulation SSB:Balanced modulation |
| Spurious emission | Less than -50dB |
| Maximum FM deviation | ±2.5kHz |

Receiver

| | |
|------------------------------------|--|
| Circuitry | Double conversion superheterodyne |
| Sensitivity | SSB: 0dBμ(1uV)/ CW: -12dBμ(0.25uV) AM: +6dBμ(2uV) /FM: -6dBμ(0.5uV) |
| Intermediate frequency | AM/FM: 1st 10.695 MHz 2nd 455 MHz SSB: 1.0695MHz |
| Selectivity | SSB, CW, AM(narrow): 2.4kHz/-6dB 4.5kHz/-60dB AM, FM: 6kHz/-6dB 18kHz/-60dB |
| Audio output | 3W (8Ω,10%THD) |
| Intermodulation rejection ratio | 65dB |
| Spurious and image rejection ratio | 48dB |

•EMS-57 is optional for DR-M03R



See P.11 for accessories.

Specifications DR-03T/M03R

General

| | |
|-----------------------|--|
| Frequency range | 28.000 ~ 29.695MHz (RX, TX) |
| Operating mode | 8K50F3E (Narrow-FM) |
| Frequency resolution | 5.8,33,10,12.5,15,20,25,30,50 |
| Memory channel | 100channels +1call channel |
| Ant. impedance | 50Ω unbalanced |
| Frequency stability | ±7ppm |
| Microphone impedance | 2kΩ |
| Rated voltage | 13.8V DC ±15%(11.7 to 15.8V) |
| Current (Approx.) | Ttransmit : 3A Max Receive : 600mA(Max) 400mA(squelched) |
| Operating temperature | -10 °C to 60 °C (14 - 140°F) |
| Ground | Negative ground |
| Dimensions | 142(W)×40(H)×174(D)mm(5.58"(W)×1.57"(H)×6.83"(D)) |
| Weight | Approx.1.0kg (35.3oz) |

Transmitter

| | |
|--------------------------|----------------------------------|
| Power output | 10W(HI) 5W(MID) approx.1~4W(LOW) |
| Modulation | Variable reactance |
| Spurious emission | -50dB or less |
| Max. frequency deviation | ±2.5kHz |

Receiver

| | |
|------------------------------------|--|
| Circuitry | Double conversion superheterodyne |
| Sensitivity | -12dB μ(0.25 μV) or less for 12dB SINAD |
| Intermediate frequency | 1st 10.7MHz 2nd 450kHz |
| Squelch sensitivity | -16.0dB μ(0.1 μV) |
| Selectivity | -6dB 12kHz or more (6kHz or more Narrow mode) -60dB 28kHz or less (16kHz or less Narrow mode) |
| Audio output | 2.0W (8Ω,10%THD) |
| Intermodulation rejection ratio | 60dB |
| Spurious and image rejection ratio | 70dB |