

ALINCO

Quality. Style. Performance!

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 F1E digital mode. Images shown on this brochure are the T-versions.

An amateur radio license is required to operate transceivers shown in this brochure.

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www.ALINCO.com

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.

Specifications * Wide band receive related specification is for T-version only.

(Cellular frequencies 824.000 - 849.995MHz, 869.000-894.995MHz blocked on T-version)

General

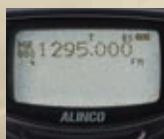
Frequency range & Mode	E-version TX/RX:	144.000 - 145.995MHz / 430.000 - 439.995MHz
		1240.000 - 1299.995MHz AM/FM/TV(analog) Broadcast
T-version TX:		144.000 - 147.995MHz
		430.000 - 449.995MHz 1240.000 - 1299.995MHz
	RX:	0.530 - 1299.995MHz
Channel steps	5/6.25/8.33/10/12.5/15/20/25/30/50/ 100/125/150/200/500KHz & 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

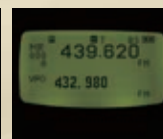
System	Double-conversion super heterodyne (FM,AM) Single-conversion super heterodyne (WFM)	
Intermediate frequency (1st/2nd)	Main-band FM 51.65MHz / 450KHz Sub-band AM/FM 50.75MHz / 450KHz Sub-band WFM 10.7MHz	
Sensitivity(12dB SINAD)	144/430MHz ham-radio bands -15dBμ or better 1200MHz ham-radio band -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)	



Singleband op.



Channel Scope



Variable luminosity & bold fonts



Key-pad illumination

144/430/1200 MHz
5/5/1 Watt FM Hand-Held Transceiver

DJ-G7

CE FC IC

Product intended for use by properly authorized operators.

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.

Specifications

General

	DJ-500T	DJ-500E
RX Frequency Coverage (76-108MHz included)	136-174MHz 400-480MHz	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.



NEW

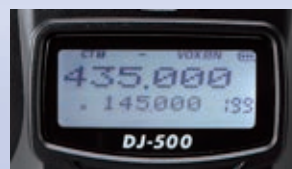
orange

144 / 430MHz FM DUAL BAND HANDHELD TRANSCEIVER

DJ-500T/E     



sakura (cherry)



white

Standard Accessories



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

Options

				
Mobile DC Cable EDH-40	Mobile DC Charging Cable EDC-198	Earphone/Mic EME-56A	Speaker Mic EMS-76	Battery Pack EBP-87 Li-Ion 7.4V 1700mAh

DJ-V17/27/47



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 TRANSCEIVER

DJ-V17

430MHz FM HANDHELD TRANSCEIVER

DJ-V47

CE FC IC

222MHz FM HANDHELD TRANSCEIVER

DJ-V27

FC IC



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)
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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 TRANSCEIVER

DJ-V17L

VHF FM HANDHELD TRANSCEIVER

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 TRANSCEIVER

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: -14.0dB μ (0.2 μV) or less UHF: -12.0dB μ (0.25 μV) 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 6×AA cells		Speaker microphone EMS-62		Earphone microphone EME-32A heavy-duty		Earphone microphone EME-36A
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Charges all batteries

For Ni-MH packs

For Li-ion packs

For Ni-MH packs

	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
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DJ-175

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	58(W)×107.5(H)×36.3(D)mm	
(with battery pack)	2.28(W)×4.23(H)×1.43(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)	-14.0dB μ (0.2 μ V) 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	500mW (8Ω, MAX)/400mW
	(8Ω 10% THD)



144MHz FM HANDHELD TRANSCEIVER DJ-175



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



Ergonomically designed
battery pack

Standard Accessories

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

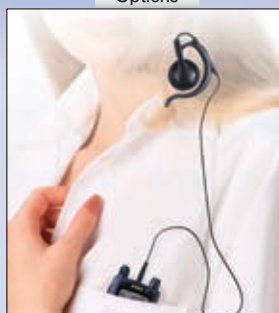
Options

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



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

Standard Accessories

		As per images
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

Options

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

Accessories

Handheld Transceivers with 2-pin straight plug



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

DC Cables

* Except for DJ-S45/DJ-175 series.

Cigar-Plug	Cigar-Plug	External DC cable
EDC-36*	EDC-43*	EDC-37*
Noise filter	for charging	for external power supply

PC Cables

PC Programming cable	PC Programming cable	PC Programming cable
ERW-7*	ERW-4C*	ERW-8
USB port	serial port	USB port

Earphones/Earphone microphones

Earphone	Earphone
EME-6*	EME-26*
3.5 ϕ	curl-cord 3.5 ϕ

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	Battery Pack	Battery Pack	Trickle Charger	Quick Charger	Quick Charger	Charger-adaptor	Cigar-Plug	Cigar-Plug	Curl-cord earphone
	EBP-58N	EBP-57N	EBP-74	EDC-154A/E	EDC-174	EDC-139/140/141	EDC-126~128	EDH-32	EDH-33	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	2.5mm ϕ
DJ-X11			Standard		Standard (Sold separately)					
DJ-X30										
DJ-X7	Standard									Standard

Model	Curl-cord earphone	Antenna	Antenna	Hand strap	Earphone	Earphone	Earphone	Soft Case	Soft Case	Soft Case
	EME-26	EA-133	EA-154	BB-0009	EME-6	EME-18	EME-27	ESC-38	ESC-44	ESC-50
	3.5mm ϕ				3.5mm ϕ	2.5mm ϕ	2.5mm ϕ for shirt-pocket			
DJ-X11			Standard	Standard						
DJ-X30			Standard	Standard						
DJ-X7		Standard					(length 50cm)			

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

* Usable for Clone-utility software only.

Model	Cigar-Plug	PC interface cable	Separate kit	DC cable
	EDC-36	ERW-7	EDS-17	EDC-37
			5m cable, panel cover, bracket EBC-8	
DX-R8				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 alincocom 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



Shown with EDS-17

Options

*See the back-cover for power supplies.



Auto antenna
tuner
EDX-2

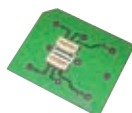


Separate kit
EDS-17

5m cable, panel cover, bracket EBC-8



EBC-8



Filter holder
EJ-59U
DX-SR9 only

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 (Projections not included)	240(W)×94(H)×255(D) mm (9.45"(W)×3.7"(H)×10"(D))
	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) (1.8 to 30MHz) +6dBu(2uV)
	FM	(28 to 30MHz) -6dBu(0.5uV)
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	

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
Transmit Frequency coverage	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
Transmit Frequency coverage	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.

Standard accessory

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

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)

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)



The "Card-Size"

DJ-X7



Selectable-Keyboard

DJ-X30



COMMUNICATIONS RECEIVERS



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.

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

- 2VFO simultaneous RX
- Main-band coverage:
0.05 ~ 1,299.99995MHz 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

Specifications

General

- **Frequency coverage:**Main VFO 0.05~1299.99995 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:

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		
108~136MHz(AM)	-6dBμ		
136~174MHz(FM)	-14dBμ		
175~221.75MHz(WFM)	-6dBμ		

Sub-band:

118~136MHz(AM)	-3dBμ
136~170MHz(FM)	-14dBμ
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



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



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.

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

DIGITAL

VOICE/DATA FM MOBILE TRANSCEIVER

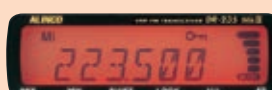
DR-06T_{FC} / M06R



DR-135MkIII_{CEI E FC T}



DR-235TMkIII_{FC}



DR-435MkIII_{CEI E FC T}



FM MOBILE TRANSCEIVER

DR-135/435FXE_{CEI}



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

Frequency range	DR-135 (144MHz)	DR-235 (220MHz)	DR-435 (430MHz)	DR-06T (50MHz)	
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
	CEI	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 +1call 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.)	Ttransmit	DR-135/435 : 12A Max DR-235 : 8A Max		11A Max	
	Receive	600mA Max / 400mA squelched			
Operating temperature		-10℃ to 60℃ (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

Power output	DR-135/06T	50W(HI) 20W(MID) approx.5W(LOW)
	DR-235	25W(HI) 10W(MID) approx.5W(LOW)
	DR-435	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 μV) or less for 12dB SINAD			
Intermediate frequency	DR-135	1 st 21.7MHz	2 nd 450kHz	DR-06T 1 st 10.7MHz 2 nd 450kHz
	DR-235/435	1 st 30.85MHz	2 nd 455kHz	
Squelch sensitivity	-16.0dB μ(0.1 μV)			
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

Plain microphone EMS-53 E/R-versions	DTMF microphone EMS-57 Back-lit/remote C. T-version	DTMF microphone EMS-74 Back-lit/remote C. 138/438 models	Bracket ADFM78	DC Power Cable ADUA38 15A Fuse	Alarm cable ADALM-135 FX/138/438 models optional

Options DR-03~435 models

*See the back-cover for power supplies.

Dynamic microphone EMS-61 8pin	Desktop microphone EMS-14 8pin	Mic Hanger EBC-7	TNC unit EJ-41U* 1200/9600bps	Digital board EJ-47U* 10F1E	PC Programming cable ERW-4C serial port	PC Programming cable ERW-7 USB port	Ciger-plug cable EDC-43* for automatic ON/OFF

*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 Comander (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!



NEW



FM MOBILE TRANSCEIVER

DR-138



DR-438



Specifications

General

Frequency range	DR-138 (144MHz)	DR-438 (430MHz)
FC HT	TX: 144~147.9975MHz	
	RX: 136~173.9975MHz(FM)	
CE HE	TX/RX:144~145.9975MHz	430.000~439.9975MHz
Operating mode	16K ϕ F3E(FM)/11K ϕ F3E(NFM)	
Frequency resolution	2.5, 5, 6.25, 8.33, 10, 12.5, 15, 20, 25, 30 and 50KHz	
Memory channel	200channels	
Ant. impedance	50 Ω unbalanced	
Frequency stability	± 2.5 ppm	
Microphone impedance	1k Ω	
Rated voltage	13.8V DC $\pm 15\%$ (11.7 to 15.8V)	
Current (Approx.)	Transmit	Less than 10A
	Receive	600mA Max / 300mA squelched
Operating temperature	$-20^{\circ}\text{C} \sim +60^{\circ}\text{C} (-4^{\circ}\text{F} \sim 140^{\circ}\text{F})$	
Ground	Negative ground	
Dimensions	145(W) \times 47(H) \times 190(D)mm 5.7 \times 1.85 \times 6.85 inches approx.	
Weight	Approx. 1.2kg or 42.3 ounce	

Transmitter

Power output	DR-138	60W(HI) 25W(MID) 10W(LOW)
	DR-438	45W(HI) 25W(MID) 10W(LOW)
Modulation	16K ϕ F3E / 11K ϕ F3E	
Spurious emission	-60 dB or less	
Maximum frequency deviation	± 5 kHz / ± 2.5 kHz (Narrow mode)	

Receiver

Circuitry	Double conversion superheterodyne	
Sensitivity	-12 dB μ (0.25 μ V) or less for 12dB SINAD	
Intermediate frequency	1 st 38.85MHz 2 nd 450kHz	
Squelch sensitivity	-17.99 dB 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 (8 Ω , 10%THD)	

FM MOBILE TRANSCEIVER

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 TRANSCEIVER

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

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

DR135/435MkIII series / feature comparison chart

Feature	Microphone	TX frequency	RX frequency	Freq.Stability	DATA port (DSUB9)
DR-135/435TMkIII	EMS-57 DTMF	USA Amateur	Expanded	± 2.5 ppm	Standard
DR-135/435EMkIII	EMS-53 Plain	European Amateur	European Amateur	± 2.5 ppm	Standard
DR-135FXE	EMS-53 Plain	European Amateur	European Amateur	± 5 ppm	N/A
DR-135FX	EMS-53 Plain	136-174MHz (150-174MHz guaranteed)	136-174MHz (No AM RX)	± 5 ppm	N/A
DR-435FXE	EMS-53 Plain	European Amateur	European Amateur	± 2.5 ppm	N/A
DR-435FX	EMS-53 Plain	420-470MHz (450-470MHz guaranteed)	350-512MHz	± 2.5 ppm	N/A
Feature	TNC/Packet 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

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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

		
Power supply DM330FXT 120V DM330FXE 220V	Front unit Separate kit EDS-28	Programming cables PC connection ERW-12 Cable cloning EDS-29

Specifications

General *Optional board required.

- **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(0.25μV) / 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.

								
Dynamic microphone EMS-61 8pin	Desktop microphone EMS-14 8pin	Separate kit EDS-9 Length : 5m EBC-8 included	Mic extension cord EDS-5	PC Programming cable ERW-4C serial port	PC Programming cable ERW-7 USB port	TNC unit EJ-50U 1200/9600bps	Digital board EJ-47U 10F1E	Mic Hanger EBC-7

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

DIGITAL

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	50 Ω unbalanced
Frequency stability	± 1 ppm
Microphone impedance	2k Ω
Rated voltage	13.8V DC $\pm 15\%$ (11.7 to 15.8V)
Current (Approx.)	Transmit : 6A Max Receive : 750mA(Max) 350mA(squelched)
Operating temperature	-30 $^{\circ}$ C ~ 50 $^{\circ}$ C (-22 $^{\circ}$ F ~ 122 $^{\circ}$ F)
Ground	Negative ground
Dimensions	170 (W) \times 52 (H) \times 215 (D) mm (6.7" (W) \times 2.04" (H) \times 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	± 2.5 kHz

Receiver

Circuitry	Double conversion superheterodyne
Sensitivity	SSB: 0dBu (1 μ V) / CW: -12dBu (0.25 μ V) AM: +6dBu (2 μ V) / FM: -6dBu (0.5 μ V)
Intermediate frequency	AM/FM: 1st 10.695 MHz 2nd 455 MHz SSB: 10.695MHz
Selectivity	SSB, CW, AM (narrow): 2.4kHz/-6dB 4.5kHz/-60dB AM, FM: 6kHz/-6dB 18kHz/-60dB
Audio output	3W (8 Ω , 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	100 channels + 1 call channel
Ant. impedance	50 Ω unbalanced
Frequency stability	± 7 ppm
Microphone impedance	2k Ω
Rated voltage	13.8V DC $\pm 15\%$ (11.7 to 15.8V)
Current (Approx.)	Transmit : 3A Max Receive : 600mA (Max) 400mA (squelched)
Operating temperature	-10 $^{\circ}$ C to 60 $^{\circ}$ C (14 - 140 $^{\circ}$ F)
Ground	Negative ground
Dimensions	142 (W) \times 40 (H) \times 174 (D) mm (5.58" (W) \times 1.57" (H) \times 6.83" (D))
Weight	Approx. 1.0kg (35.3oz)

29MHz FM MOBILE TRANSCEIVER

DR-03T/M03R

● Huge Alphanumeric Display, up to 7 characters ● 100 memory channels ● 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

Transmitter

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

Receiver

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

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



NEW

DM-330FXT DM-330FXE



REAR



DM-330MVT DM-330MVE

Specifications DM-330

General

- **AC Input voltage** : 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



Authorized Dealer:

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Caution

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