

ALINCO

DJ-V5

144/430MHz FM

DUAL HANDY TRANSCEIVER

Star Performer!

Alinco introduces an exciting new VHF/UHF handi-transceiver that will change the way you think about communications. The new Alinco DJ-V5 can fill a variety of roles and it does them all well. Loaded with technical features, 5 watts of output power and a wide array of operator conveniences, the DJ-V5 is an attractive newcomer in a compact package.



- Alphanumeric Display, up to 6 characters
- 200 memory channels plus two call channels
- Full VHF + UHF Amateur Band Coverage
- Expandable Receive Range, (76 ~ 999 MHz*) includes Wide FM capability
- Up to 5 watts output, 3 output settings
- CTCSS Encode+decode, DTMF squelch and 4 different European Tone Bursts
- Accepts up to 13.8 VDC direct input
- 4 scan modes, 5 programmable scan banks
- Input voltage display with over voltage warning
- MARS/CAP capability (DJ-V5T)
- Autodial memories
- Automatic high temperature protection feature
- Standard high-power 700 mAh Ni-Cd battery pack EBP-45N
- SMA antenna connector
- Eight different tuning steps
- Wire cloning capability
- Wide choice of accessories
- Audio output control (high/low)
- Split-band operation capability (small type at bottom)

* Cellular frequencies blocked on DJ-V5T

Power Up to 5 watts output, 3 output settings

Alphanumeric Display Easy recall of repeaters or simplex channels, up to 6 characters.

Wide Receive Range Expanded receive capability delivers coverage from 76 ~ 999.995 MHz.

Wide FM Receive Experience quality audio when receiving wide FM signals.

200 Memory Channels Plenty of memory to use any way you wish. Save band, frequency, offset, CTCSS, transmit output level, tuning step, DSQ and alphanumeric channel name.

Enhanced Repeater Operations CTCSS encode + decode, plus selectable tone bursts (1000, 1450, 1750, 2100 Hz).

DTMF Tone Squelch (DSQ) Allows creation of call groups free of distracting traffic.

Temperature Protection Reduces output power when internal temperatures are too high.

Cable Cloning Program multiple DJ-V5 units from a master unit.

Multiple Scan Modes Use the wide-range receive capabilities of the DJ-V5 to their full advantage.



Specifications

General		DJ-V5T	DJ-V5E
RX Frequency Coverage (MHz) DJ-V5T		76.000 – 107.995MHz (Default : 88.1MHz) 144.000 – 147.995MHz 420.000 – 449.995MHz	87.50000 – 107.995MHz (Default : 87.5MHz) 144.000 – 145.995MHz 430.000 – 439.995MHz
TX Frequency Coverage (MHz) DJ-V5E		144.000 – 147.995MHz 420.000 – 449.995MHz	144.000 – 145.995MHz 430.000 – 439.995MHz
Modulation	F2, F3E (FM), WFM(Reception)		
Frequency stability	±5ppm (–10°C – +60°C) (+14°F – +140°F)		
Supply Voltage	Rating : 13.8V DC Connection : 4.0 – 15.0V DC		
Ground	Negative ground		
Current consumption (13.8VDC, Average)	6W output : approx. 1.6A rating output : approx. 220mA Squeich reception : approx.70mA Battery save : approx. 20mA		
Temperature range	–10°C – +60°C (+14°F – +140°F)		
Frequency Resolution	5, 10, 12.5, 15, 20, 25,50,100 kHz steps		
Memories	200 Channels		
Antenna	BNC connector, 50Ω unbalanced		
Ant. impedance	50Ω		
Power Supply	Rating : 13.8 VDC Connection : 4.0 – 15.0VDC		
Dimensions (WHD)	Approx 58mm × 97mm × 40.3 mm or 2.28 in × 3.81 in × 1.58 in (without projections, Battery case EDH-29 inclusive)		
Weight	Approx 335g or 11.8 oz (Ant. Battery case, 4AA batteries inclusive)		
TRANSMITTER			
Output Power (Approx)	5W/1W/0.5W 13.8V, 1.5 – 2W 6V(EBP-45N)		
Modulation System	Variable Reactance Frequency Modulation		
Frequency Deviation	±5.0kHz (maximum)		
Spurious emission	–60dB or less		
Mic. impedance	Approx. 2kΩ		
RECEIVER			
Receiver System	Double Conversion Superheterodyne		
IF Frequencies	1st 39.15 MHz 2nd FM : 450 kHz/WFM : 13.35MHz		
Sensitivity	76.000 – 107.995MHz WFM : 0dBμ 87.500 – 107.995MHz WFM : 0dBμ 144.000 – 147.995MHz FM : –16dBμ 144.000 – 147.995MHz FM : –16dBμ 440.000 – 449.995MHz FM : –15dBμ 430.000 – 439.995MHz FM : –15dBμ		
Selectivity (except WFM)	–16dB/12kHz or over –60dB/30kHz or less		
Spurious response	60dB or over		
AF output	500mW or over (8Ω, 10% distortion factor, 13.8V)		
AF load impedance	8Ω		

Accessories

EBP-45N	6.0V 700 mAh (standard) NiCd battery pack
EBP-46N	9.6V 700 mAh high output NiCd battery pack
EDH-29	Dry cell case (4 AA cells)
EDC-36	Car-lighter cable with filter
EDC-37	Cable for external power source
EDC-43	Car-lighter cable
EDC-93	A.C. wall charger, 117V
EDC-94	A.C. wall charger, 220/240V
EBC-6	mobile bracket
EMS-8	speaker microphone with up/down control

EMS-9	speaker microphone
EMS-47	speaker microphone with volume control
EMS-51	miniature type speaker microphone
EME-6	headset (in-ear)
EME-12	headset (ear hook)
EME-13	headset (in-ear)
EME-15	tie-pin microphone with vox
EME-16	tie-pin microphone
EME-17	tie-pin microphone
ESC-35	soft case for use with EBP-45N/46N battery

Specifications subject to change without notice or obligation. Specifications apply to Amateur Radio bands only. Permits required for MARS/CAP use. Product intended for use by properly licensed operators. Cellular frequencies blocked in USA version

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