

# ALINCO

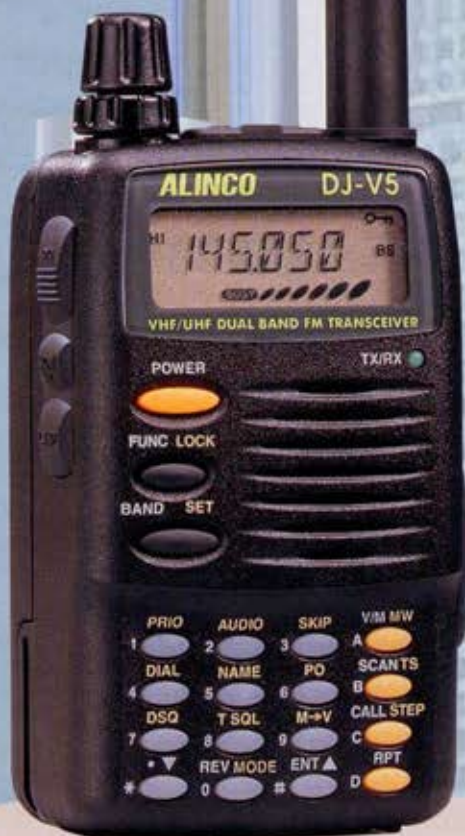
## DJ-V5

144/430MHz FM

DUAL BANDY 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 (-10C ~ +60C) (+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 Squelch reception : approx. 70mA Battery save : approx. 20mA	
Temperature range	-10C ~ +60C (+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 x 97mm x 40.3 mm or 2.28 in x 3.81 in x 1.58 in (without projections, Battery case EDH-29 inclusive)	
Weight	Approx. 335g or 11.8 oz (Ant. Battery case, 4AA batteries inclusive)	
<b>TRANSMITTER</b>		
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	
<b>RECEIVER</b>		
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 (BD, 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

Authorized Dealer:

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