

# ALINCO

144MHz FM  
5-watt Handheld Transceiver

# DJ-V17T/E

## *Tough Talker Speaks Volumes About Quality!*



Actual size

### **This Rugged Pocket-Size HT is a Perfect Companion for Outdoor Activities. Introducing the next generation of water-resistant FM transceivers — DJ-V17.**

Alinco combines rugged polycarbonate materials, an ergonomic design and leading edge technology in an attractive, compact 5W VHF HT that is compatible to IPX7\* so it's submersible 1m/3ft. for 30 minutes! And unlike water-resistant radios you may have looked at before, the DJ-V17 has a large 40mm internal speaker so its audio is clean and crisp, not muffled. The superior speaker design provides 500mW max audio-output for high quality audio. With a full range of features and choice of power options, this tough talker resists rain, dirt and dust. Take it with you when you enjoy outdoor activities such as fishing, camping, snow-sports or volunteer public radio services.

\*Alinco guarantees this feature for 1 year provided all jack covers are properly and securely closed.

### **The "new generation" DJ-V17 is loaded with features, including:**

- New, two-touch repeater access
- High grade waterproof materials compatible to IPX7\* (submersible 1m/3ft. for 30 min.)
- Rugged polycarbonate body resists dirt, dust and moisture
- Large 40mm internal speaker for great audio!
- Highly visible backlit alphanumeric display
- Direct frequency input through illuminated keypad
- 200 Memories, plus one call channel
- VFO, Memory and Scan modes
- Ultra-flexible antenna with SMA connector avoids breakage
- 39 CTCSS tone squelch (encode+decode) settings
- 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

**Get in on the excitement with the new DJ-V17 HT. Its rugged polycarbonate case and full 500mW max audio output make it the perfect companion for outdoor activities.**

## 200 Memories

Plenty of memories for your favorite frequencies. 200 alphanumeric memory channels plus one call channel. New two-touch repeater access uses a special memory channel to store the most common repeater-access parameter. To access the repeater, just push FUNC and RPT key so that the parameters temporarily overwrite the current repeater setting, even you are in the CALL or memory-channels with different repeater settings.

## Long-Lasting Battery Power

Special battery drain function avoids battery memory effect. By using this function, the radio automatically turns on the back-light, outputs low-level audio and turns off the battery save function to help discharge the remaining battery level before recharge. Comes standard with a Ni-MH battery but also uses optional Li-ION and Ni-MH battery packs or an AA dry cell case.

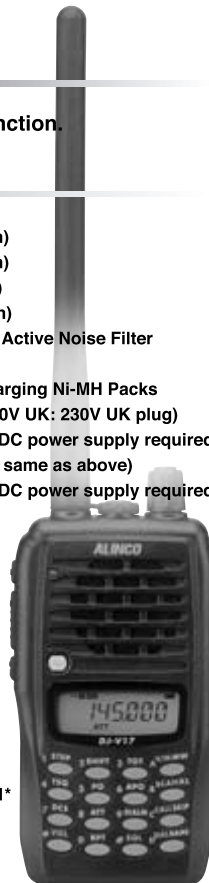
## DTMF Autodialer with Memory

Includes nine autodial memories plus redial function.

## OPTIONS

EBP-63	: Li-ion Battery Pack (DC 7.4V 1100mAh)
EBP-64	: Li-ion Battery Pack (DC 7.4V 1600mAh)
EBP-65	: Ni-MH Battery Pack (DC 7.2V 700mAh)
EBP-66	: Ni-MH Battery Pack (DC 7.2V 2000mAh)
EDC-36	: Mobile Cigarette Lighter Adapter with Active Noise Filter
EDC-37	: External DC Power Supply Cable
EDC-43	: Mobile Cigarette Lighter Cable for Charging Ni-MH Packs
EDC-143T/E/UK	: Trickle Battery Charger (T: 120V E: 230V UK: 230V UK plug)
EDC-143R	: Multiple-Charger Basket (An external DC power supply required)
EDC-144A/E/UK	: Rapid Battery Charger (A: 120V E/UK: same as above)
EDC-144R	: Multiple-Charger Basket (An external DC power supply required)
EDC-146	: Wall Charger (120V)
EDC-147	: Wall Charger (230V)
EDC-148	: Wall Charger (230V) UK plug
EDH-34	: Dry Cell Case
EDS-10	: Microphone/Speaker Cable
EDS-11	: Clone Cable
EME-6	: Earphone*
EME-12	: Headset with VOX*
EME-13	: Earphone and MIC with VOX*
EME-15	: Tie-pin MIC with VOX*
EME-20	: Earphone Microphone*
EMS-47	: Speaker Microphone with Audio Control*
EMS-59	: Speaker Microphone*
ESC-41	: Soft Case

\* EDS-10 required.



## SPECIFICATIONS

### General

Frequency range	T:	TX144~147.995MHz * 144~147.995MHz
		RX130~173.995MHz * 144~147.995MHz
	E:	TX144~145.995MHz * 144~145.995MHz
		RX144~145.995MHz * 144~145.995MHz
TFH/R**:		TX136~173.995MHz * 150~173.995MHz
		RX130~173.995MHz * 150~173.995MHz
* Guaranteed range **Where permitted		
Modulation	F3E (FM)	
Frequency step	5,10, 12.5, 15, 20, 25, 30kHz step	
Memory channel	200 channels + 1 call channel + 1 Repeater-Access function memory	
Antenna impedance	50 Ω unbalanced	
Frequency stability	±5ppm	
Mic. impedance	2k Ω	
Supply voltage	DC 7.0~16.0V (EXT DC-IN)	
Current consumption		1.4A (typical) Transmit high at 5W
		250mA (typical) Receive at 500mW
		70mA (typical) Standby
		25mA (typical) 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	
Dimension	58(W)x110(H)x36.4(D)mm	
(W/o projection)	(2.28"(W)x4.33"(H)x1.43"(D)) with EBP-65N	
Weight	Approx.280g (9.9oz) with EBP-65N & antenna	
DTMF	16 Buttons Keypad	
Subaudible Tone (CTCSS)	encoder/decoder installed (39 tones)	
Digital Coded SQ. (DCS)	encoder/decoder installed (104 codes)	

### Transmitter

Power output	Approx. 5W (with EBP-65N)
	Approx. 5W (with DC 13.8V)
	Approx. 0.8W (LOW output)
Modulation	Variable reactance
Spurious emission	-60dB or less
Max. deviation	±5kHz
Mic. impedance	2kΩ

### Receiver

System:	Double-conversion super heterodyne
Sensitivity	-14.0dBμ (0.2μV) or less
Intermediate frequency	1st IF 21.7MHz 2nd IF 450kHz
Selectivity	-6dB: 12kHz or more
	-60dB: 26kHz or less
AF output	500mW (MAX)
	400mW (8 Ω, 10% distortion)

All specifications are subject to change without notice or obligation.

\* Wide mode : 25kHz band step  
Narrow mode : 12.5kHz band step

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