

DJ-596



ALINCO
INCORPORATED
Simple-Clean-Dependable

VHF/UHF Handi Transceiver

Advanced Features

■ 100 Memory Channels

Plus 2 Call Channels (VHF/UHF) Each memory can record frequency, offset, CTCSS encode, CTCSS decode, DCS, power output, alphanumeric tag and more!

■ Optional Digital Voice Board

Use exciting new digital voice technology for your communications (Requires at least two similarly equipped transceivers.).

■ Three Scan Modes

VFO, Memory and Skip Scan. Choose Timed or Busy Channel operation.

■ Flexible Power Options

Use the standard Ni-MH battery for 4+ watts of output or an external source of 13.8VDC for 5 watts out. The DJ-596 will operate with a source of 2A from 6~16VDC.

■ Narrow and Wide FM Modes

You have the choice of operating in standard Wide FM mode or using the spectrum-efficient Narrow FM mode, which has become popular in certain areas.

■ Theft Alarm Feature

The alarm mode can help keep your transceiver where it belongs, by sounding a piercing alarm if removed by an unauthorized person.

■ Mosquito Repelling Sound

Can your DJ-596 actually repel mosquitoes? This experimental mode might make outdoor operation more enjoyable!

■ External Terminal Control

Outputs 5VDC/5mA voltage from mic jack while squelched off, ideal to use as an external device control signal.



Specifications

GENERAL

	DJ-596T	DJ-596E
RX Frequency Coverage	136.000- 173.995MHz 400.000- 511.995MHz	144.000- 145.995MHz 430.000- 439.995MHz
TX Frequency Coverage	144.000- 147.995MHz 420.000- 449.995MHz	144.000- 145.995MHz 430.000- 439.995MHz
Modulation	F2, F3E (FM)	
Frequency stability	±5ppm(-10°C~+60°C) (+14°F~+140°F)	
Supply Voltage	External Terminal : 6.0~16.0V DC Battery Terminal : 6.0~16.0V DC	
Ground	Negative ground	
Current consumption	DC13.8V : VHF : approx. 1.2A / UHF : approx. 1.4A DC9.6V(EBP-50N) : VHF : approx. 1.2A / UHF : approx. 1.5A Reception : approx.75mA(squelched) Battery save : approx. 25mA	
Temperature range	-10°C~+60°C (+14°F~+140°F)	
Channel step	5, 10, 12.5, 15, 20, 25,30 kHz steps	
Antenna	BNC connector, 50Ω unbalanced	
Dimensions (WHD)	Approx.56mmX124mmX36.5mm or 2.2inX4.88inX1.44in (without projections, Battery case EBP-50Ninclusive)	
Weight	Approx. 310g or 11oz (Ant. EBP-50N inclusive)	

TRANSMITTER

Output Power (Approx)	External 13.8V : VHF / UHF approx. 5W EBP-50N(9.6V Ni-MH) : VHF 4.5W / UHF 4.0W
Modulation System	Variable Reactance Frequency Modulation
Frequency Deviation	±5kHz (maximum)
Spurious emission	-60dB or less
Mic. impedance	Approx. 2kΩ

RECEIVER

Receiver System	Double Conversion Super heterodyne
IF Frequencies	1st : 39.15 MHz 2nd : 450 kHz
Sensitivity(12dB SINAD)	-15.0dB μ or less
Selectivity	-6dB : ±6kHz or over -60dB : ±15kHz or less
Spurious response	60dB or over
AF output	200mW or over (8Ω, 10%distortion factor, 13.8V)
AF load impedance	8Ω

Options

- EJ-43U Digital Voice Board
- EBP-50N Ni-MH Battery Pack (9.6VDC 700 mAh)
- EBP-51N Ni-MH Battery Pack (9.6VDC 1500 mAh)
- EDH-30 Battery Case
- EDC-36 Cigarette Lighter Cable with filter 12VDC
- EDC-37 Base station DC Cable 12VDC
- EDC-43 Cigarette lighter cable for recharging
- EDC-97 Rapid recharger
- EDC-93 Battery recharger(120VAC input)
- EDC-94 Battery recharger(230VDC input)
- EMS-9 Speaker/microphone
- EMS-47 Speaker/microphone with volume control
- EME-6 Earphone
- EME-12 Headset with VOX (headphone type)
- EME-13 Headset with VOX (earphone type)
- EME-15 Tie-pin microphone with VOX
- EME-17 Earphone microphone
- EME-20 Earphone microphone
- ESC-36 Softcase



Specifications subject to change without notice or obligation.
Product intended for use by properly authorized operators.
Use of Digital Voice communications board may be restricted in some areas.
Reception out of Ham Radio bands is considered an accessory feature.