

DJ-G29T



Alinco introduces the World's FIRST 222/902MHz Dual-band HT!

Add Our DJ-G7 Tri-band 2M/70cm/23cm HT to Operate Five V/UHF Bands with Only Two Radios!

Attention amateur radio operators: Alinco has responded to your requests to make a user-friendly handheld for two of the most fastest growing amateur radio bands. Ergonomically designed, this great new 222/902 dual band HT is the newest addition to the Alinco family of high quality transceivers. You can start making contacts right away with this pocket size wonder that combines leading edge technology with simple operation. Enjoy a full 5 watts of power on the 222MHz band and 2.5 watts on the 902MHz side complete with the crisp, clean audio you've come to expect from Alinco.



Start working two of the "fastest growing" bands with these great features:

- 222/902MHz dual-band handheld transceiver
- Selectable full duplex system allows operation of main band and sub band simultaneously
- Independent dials for main and sub band
- Rugged polycarbonate body resists dirt and dust
- High-grade water-resistant materials compatible to IPX7
- Alinco's unique user-selectable PTT delay option eliminates the annoying squelch tail noise that some repeaters retransmit at the end of receiving non-reverse burst tone-encoded CTCSS signals
- Great audio with large 32mm internal speaker
- Easy-to-read backlit alphanumeric display
- Large screen full-matrix LCD with easy-to-read icons and battery charge level
- Patented ChannelScope function allows visual monitoring of nearby signals
- "Wild key" lets you quickly change to frequently used setting
- 39 CTCSS tone squelch (encode + decode) and 104 DCS
- Keypad selectable wide / narrow bandwidth and mic gain
- Keypad selectable multi-step receiver attenuator
- Cloning capability between DJ-G29T units or through PC (optional cable needed)
- Quick-write memory channels
- Direct frequency input through illuminated keypad
- DTMF encode and auto-dialer
- 500 Memories with memory banks
- Automatic repeater-setting function
- Keylock function
- Multiple scan functions: VFO, Memory, Program, Tone, DCS & Sweep
- Crossband repeater feature

DJ-G29T



An operator's license is required for this device.

Specifications and contents on this brochure subject to change without notice or obligation. Cellular frequencies blocked.



ALINCO
INCORPORATED
Quality-Style-Performance

Get Ready to Enjoy Two Amazing Amateur Radio Bands!

DJ-G29T Standard Features

Alinco responds to your requests with World's first 222/902 MHz dual band HT. You can even use the cross band repeat function to operate your HT like a repeater wherever you go!

Plenty of Memories

With 500 alphanumeric memory channels, you can store all your favorite frequencies for easy access. You can even download free software from www.alinco.com and use an optional PC connecting cable to use your computer for programming.

DTMF AutoDialer with Memory

Large 16 button keypad for encoding makes it easy to use the autodial memories and redial function.

Optional Accessories

- EDC-36 Cigarette Cable with filter
- EDC-43 Cigarette Cable with charger
- EDH-35 Dry Cell Case
- EDS-10/EDS-14 Plug Conversion Cable
- EDS-11 Cloning Cable
- EME-32A Earphone/Mic (heavy duty)
- EMS-62 Speaker Mic
- ERW-4C PC Interface Cable (Serial)
- ERW-7 PC Interface Cable (USB)
- ESC-50 Soft Case

Standard Accessories

- Flexible Whip Antenna EA-203
- Li-ion battery pack EBP-73
- Drop-in charger EDC-173
- AC adapter for charging EDC-170
- Belt clip EBC-23
- Carry strap



About IPX7 Designation

The IPX7 designation provides for limited waterproofing of the radio. The specifications are immersion in one meter (approx 3ft) of still clear 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 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 to use the radio underwater or submerge the radio for cleaning. Warranty will not cover radios that are water damaged due to negligence or misuse of the product.

Specifications

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General

Frequency-range	[TX] 222.000~224.995MHz, 902.000~927.995MHz [RX] main 216.000~249.995MHz, 902.000~927.995MHz sub 216.000~249.995MHz, 902.000~927.995MHz
Modulation Type	F1D, F2D, F3E
Channel steps	5/6.25/10/12.5/15/20/25/30/50/100/ 125/150/200/500KHz & 1MHz
Antenna Connection Type	SMA Female, 50Ω unbalanced
Frequency stability	±2.5ppm
Power supply requirement	DC 9.0~16.0V (EXT DC-IN)
Current drain (Approx.)	TX : 1.7A at 13.8V DC / Dual band RX : Max 200mA receive at 500mW RX (dual/single) : 120mA/80mA stand-by 56mA/50mA Battery-save on
Temperature range	-10°C~+45°C (+14°F~+113°F)
Ground	Negative ground
Dimensions	61(W)x106(H)x38(D)mm (Projection excusive) 2.4"(W)x4.17"(H)x1.50"(D)inches
Weight	Approx. 296g / 9.55oz with EBP-73 & EA-203

Transmitter

Output power (Approx.)	DC 13.8V max. : 222MHz 5W / 902MHz 2.5W
Modulation	Variable reactance frequency modulation
Spurious emission	-60dB or less
Max. deviation	±5kHz
Mic. impedance (Approx.)	2kΩ

Receiver

Receive system	Double-conversion superheterodyne
Intermediate frequencies	Main-band 1st/2nd : 51.65MHz / 450KHz Sub-band 1st/2nd : 50.75MHz / 450KHz
Sensitivity	Main-band : -14.0dBμ (0.2μV) or less (12dB SINAD) Sub-band : -14.0dBμ (0.2μV) or less
Selectivity	-6dB: 12kHz or more / -60dB: 35kHz or less
Audio output power	More than 400mW(8Ω MAX)



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