

# ALINCO

# DJ-G5

## VHF/UHF FM TWIN BAND HANDHELD TRANSCEIVER

• Channel Scope • U/U, V/V, V/U, U/V • Air Cloning • Electronic VOL/SQL

### Access an array of features with the DJ-G5's user-friendly control panel !



Major function keys are laid out within reach of your thumb for quick operation.

#### 1 PTT key

Push-to-talk switch.

#### 2 Additional PTT key

Switchable to either low power output, tone-burst, or sub-band PTT.

#### 3 SRCH (Search) key

Turns on/off the Channel Scope.

#### 4 MONI (Monitor) key

Unmutes the squelch to monitor activity.

#### 5 Volume key

Increases/decreases speaker volume.

#### 6 Squelch key

Adjusts squelch level.

#### 7 Main tuning dial

#### 8 Large sized speaker

For loud and clear audio.

#### 9 Band keys

Select VHF or UHF band for either side of the display. A/B VFO's are also built-in for both sides. Wideband coverage + Airband Rx.\*

#### 10 11 12 PS (Program scan) keys

Three programmed scan ranges can be preset.

#### 13 D.C. In Jack

#### 14 T SQL (Tone squelch) key

Both the tone encoder and decoder (50 tones) are built-in as standard.

#### 15 MR (Memory Recall) key

Has a 100 memory capacity for each side, and does not require a memory back-up battery.

#### 16 DSQ (DTMF Squelch) key

DTMF encoder and decoder for DSQ come standard.

#### 17 Back lit keypad

Both the LCD and keypad are illuminated for your convenience.

\*U.S. Version only

# Amazing compact size, easy operation, high performance, and full featured.

## 2m/70cm FM Twin Band Handheld Transceiver DJ-G5



### One touch operation

#### A new key panel layout

Directly access major transceiver functions with a single touch of your thumb.

### Advanced Channel Scope

#### Alinco's original standard feature

- Monitor 5 frequency activities in VFO/Memory modes.
- Simultaneous monitor of VHF/UHF bands.
- Real time monitor of 11 channels during mono band operation.

### MOS-FET RF power module

Compact RF construction yields high power efficiency with a lower standard voltage.

### Full featured

#### DJ-G5 standard features/accessories

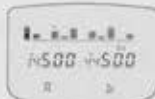
- Extended VHF & UHF and Airband Rx (DJ-G5T)
- DSQ encoder/decoder as standard
- Cloning over the air
- Built-in CTCSS tone encoder and decoder (50 tones)
- Ni-Cd battery (4.8V DC/650mA)
- Charger (EDC-63: DJ-G5T/EDC-64: DJ-G5E)
- Rubber duck antenna
- Belt clip
- Hand strap

## ADVANCED CHANNEL SCOPE

ALINCO designed the advanced channel scope function to give you visual monitoring capability of multiple frequency activities. In either of the VFO/Memory modes, press the search key, and with just a glance of the display, you can easily locate vacant frequencies and identify local repeater activities.

#### VFO mode

Monitors 5 frequency activities on two bands set by the frequency step, each of which are indicated by four different signal levels.



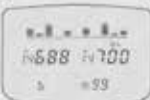
#### Memory mode

Monitors five memory frequencies on both sides simultaneously.



#### VFO/Memory mode

Access the Channel Scope function for one or both of the displayed bands. These bands operate independently, and the Channel Scope function can be accessed in either of the VFO/Memory modes.



#### Real time monitor

During mono band operation, the DJ-G5 receives incoming signals and monitors others simultaneously without audio interruption on the center (operating) frequency. The transceiver continually monitors other frequencies every 5 seconds, however, this does not interrupt receive audio on the center (operating) frequency. The Channel Scope's real time monitor functions in the VFO mode, a total of 11 frequency activities are monitored at a time without any loss of receive audio on the center frequency.



#### Sweep scan

The Channel Scope can be used in conjunction with any scan mode: band scan, program scan, and memory scan.

### OPTIONS

- EMS-8 Remote control speaker microphone
- EBP-33N Rechargeable Ni-Cd Battery 4.8VDC 650mAh
- EBP-34N Rechargeable Ni-Cd Battery 4.8VDC 1200mAh
- EBP-35N Rechargeable Ni-Cd Battery 7.2VDC 900mAh
- EBP-36N Rechargeable Ni-Cd Battery 9.6VDC 650mAh
- EBP-37N Rechargeable Ni-Cd Battery (Low cost type) 4.8VDC 700mAh
- EDH-16 Drycell Battery case AA x 4 pcs.
- EDC-63 Trickle charger 120VAC input
- EDC-64 Trickle charger 220VAC input
- EDC-60 Rapid charger 120VAC input
- EDC-61 Rapid charger 220VAC input
- EDC-36 Car-lighter cable with filter
- EDC-37 Cable for external power source
- ESC-28 Soft-case for use with EBP-33N
- ESC-29 Soft-case for use with EBP-37N
- ESC-30 Soft-case for use with EBP-34N/35N/36N
- EME-12 Headset Mic. with VOX
- EME-15 Tie-pin Mic. with VOX

### SPECIFICATIONS

General		VHF	UHF
Receiver range (MHz)	DJ-G5T	L-band 108.000 - 173.995 (AM, FM)	420.000 - 479.995 (FM)
	DJ-G5E	R-band 130.000 - 173.995 (FM)	
Transmitter range (MHz)	DJ-G5T	144.000 - 145.995	430.000 - 439.995
	DJ-G5E	144.000 - 147.995	438.000 - 449.995
Modulation		F2E, F3E (FM)	
Ant. impedance		50Ω	
Operating temp. range		-10°C - +60°C	
Supply voltage (rated voltage)		4.5 - 16.0 (4.8) VDC	
Current consumption	Tx Hi: 13.8VDC (external)	approx. 1.4A	approx. 1.5A
	Tx Hi: 9.6VDC (Ni-Cd)	approx. 1.4A	approx. 1.5A
	Tx Hi: 7.2VDC (Ni-Cd)	approx. 1.4A	approx. 1.5A
	Tx Hi: 4.8VDC (Ni-Cd)	approx. 1.0A	approx. 1.2A
	Tx Mid: 4.8VDC (Ni-Cd)	approx. 0.8A	
	Tx Lo: 4.8VDC (Ni-Cd)	approx. 0.5A	
	Rx squelched (twin band)	approx. 85mA	
	Rx squelched (mono band)	approx. 50mA	
Rx Battery-Save On (800/200 twin band)	approx. 25mA		
Ground		Negative ground	
Mic. impedance		2kΩ	
Dimensions without projections	mm (inches)	W57(2 1/4) x H138(5 1/2) x D27.5(1 1/8)	
Weight (Ant. belt-clip, strap, and Ni-Cd EBP-33N inclusive)		approx. 350g / 770 lbs.	
<b>Transmitter</b>			
Power output	Hi: 13.8VDC (external)	approx. 5W	
	Hi: 9.6VDC (Ni-Cd)	approx. 4.5W	
	Hi: 7.2VDC (Ni-Cd)	approx. 3.5W	approx. 3W
	Hi: 4.8VDC (Ni-Cd)	approx. 1.5W	approx. 1W
Modulation		Variable reactance	
Max. deviation		±5kHz	
Spurious emission		not more than -60dB	
<b>Receiver</b>			
System		Double-conversion superheterodyne	
First I.F.		38.9MHz	45.1MHz
Second I.F.		455kHz	
Sensitivity	DJ-G5T	L-band: 144.000 - 147.995MHz	better than -16dB <sub>s</sub>
		R-band: 438.000 - 449.995MHz	better than -15dB <sub>s</sub>
	DJ-G5E	L-band: 438.000 - 449.995MHz	better than -12dB <sub>s</sub>
		R-band: 144.000 - 147.995MHz	better than -12dB <sub>s</sub>
	DJ-G5E	L-band: 144.000 - 145.995MHz	better than -16dB <sub>s</sub>
		R-band: 430.000 - 439.995MHz	better than -15dB <sub>s</sub>
Squelch sensitivity		better than -20dB <sub>s</sub> (0.1μV)	
Selectivity (-6dB/ -60dB)		more than 12kHz / less than 30kHz	
A.F. output (@10% distortion)		100mW (80 load)	

\*Specifications are subject to change without notice or obligation

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