

ALINCO

Quality. Style. Performance!

VHF Digital/Analog Transceiver

DJ-D15

UHF Digital/Analog Transceiver

DJ-D45



Rugged, reliable radio that
withstands your demands.

The Alinco DJ-D15(VHF)/D45(UHF) series are heavy duty handheld DMR radios packed with features that make them ideal choice for professional users. High quality design, tough construction, outstanding audio clarity and receiver specifications ensure the best possible performance and maximum communication range!

DJ-D15

DJ-D45



ALINCO
INCORPORATED
Osaka, Japan

- DMR Tier I and Tier II
- RF output selectable from 5W/1W(VHF) or 4W/1W(UHF)
- Programmable up to 256 ch in 16ch/zone
- IP54 Dust & Splash proof
- Voice guidances in English
- Improved call capacity with DMO 2-slots in Direct Mode
- Up to 16 hours of operation time with 2000mAh battery pack
- ARC 40-bit Encryption supported
- Variety of security features including Radio check, Call alert, Stun/Revive/Kill & Remote monitor

Options



- PC interface cable
ERW-17
Available exclusively to dealers.



- Earphone microphone
EME-74



- Plain speaker microphone
EMS-85

Standard Accessories

Battery Pack	Battery Charger	AC Adapter
EBP-102 Li-ion 7.4V 2000mAh	EDC-290	EDC-291 (220V)

Whip antenna	Belt Clip
EA-255 (VHF) or EA-256 (UHF)	EBC-52

Standard accessories declared herein are our factory default and may vary at moment of sales depending on the market and Dealers' sales policy.

Specifications

General

Frequency Range (TX/RX)	DJ-D15 : 136-174MHz DJ-D45 : 400-470MHz
Number of Channels	256ch
Zone capacity	16
Channel Spacing	Analog : 12.5/25kHz Digital : 12.5kHz
Operating Voltage	7.5V DC $\pm 20\%$
Operating Temperature Range	-30°C to +60°C
Frequency Stability	$\pm 1.5\text{ppm}$
Antenna Impedance	50 Ω
Dimensions (W x H x D Approx.) with battery pack / without antenna	54.0 x 116.0 x 31.0mm
Weight (Approx.) with battery pack & antenna	275g

* Projections are not included in the declared dimension values.

Transmitter

RF Power Output	5W / 1W(DJ-D15), 4W/1W(DJ-D45)
Spurious Emission	Less than 1GHz : -36dBm More than 1GHz : -30dBm
FM Hum & Noise (Analog)	25kHz : 45dB 12.5kHz : 40dB
Modulation	16K0F3E / 11K0F3E / 7K60FXD / 7K60FXE
Vocoder	AMBE-2™

Receiver

Sensitivity (Analog/12dB SINAD)	0.25 μV
Sensitivity (Digital/BER)	0.25 μV (5%)
Intermodulation	-65dB
Spurious Response	70dB
Audio Distortion	Less than 3% typical
Audio Output	1000mW / 16 Ω



Military Standards 810

	810C		810D		810E		810F		810G	
Applicable MIL-STD	METHODS	PROC/CAT	METHODS	PROC/CAT	METHODS	PROC/CAT	METHODS	PROC/CAT	METHODS	PROC/CAT
Low Pressure	500.1	I	500.2	II	500.3	II	500.4	II	5005	II
High Temperature	501.1	I,II	501.2	I/ A1,II/ A1	501.3	I/ A1,II/ A1	501.4	I/Hot ,II/Hot	501.5	I/Hot A1,II/Hot (A1)
Low Temperature	502.1	I	502.2	I/ C3,II/ C1	502.3	I/ C3,II/ C1	502.4	I/ C3,II/ C1	502.5	I/ C3,II/ C1
Temperature Shock	503.1	-	503.2	I/ A1C3	503.3	I/ C1A3	503.4	I	503.5	I/ C
Solar Radiation	505.1	II	505.2	I	505.3	I	505.4	I	505.5	I
Rain	506.1	I,II	506.2	I,II	506.3	I,II	506.4	I,III	506.5	I,III
Humidity	507.1	II	507.2	II	507.3	II	507.4	-	507.5	II
Salt fog	509.1	-	509.2	-	509.3	-	509.4	-	509.5	-
Dust	510.1	I	510.2	I	510.3	I	510.4	I	510.5	I
Vibration	514.2	VIII/ F.CURVE-W	514.3	I/10,II/3	514.4	I/10,II/3	514.5	I/24	514.6	I/24
Shock	516.2	I,II	516.3	I,IV	516.4	I,IV	516.5	I,IV	516.6	I,IV

Authorized Dealer:

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Caution

Please be sure to read the instruction manual before using the product for your safety.