

ALINCO

DJ-582

VHF/UHF FM TWINBAND
HANDHELD TRANSCEIVER

"THE PERFORMER"

This compact transceiver, with its industry leading ergonomic design, excellent audio and sensitivity, is packed with expanded features offering you non-stop performance. The ALINCO DJ-582 comes standard with Airband Receive, [✱] accelerated scanning speed, and expanded UHF frequencies. [✱]

*Applicable to US Version

Super Low Battery Consumption Function (Alinco Patent Pending)

IS
Battery Consumption Function is automatically activated. Though the output power and sensitivity decreases, you can operate the DJ-582 until the power level drops below 3.8 volts (This feature is available with dry cell batteries only.)

Full Duplex and Dual Watch Function

The DJ-582 can receive both UHF&VHF at the same time. And also is capable of receiving on one band while transmitting on the other.

Independent VHF and UHF Controls

VHF & UHF have separate control knobs for volume and squelch. The LCD displays both bands simultaneously.

DSQ (DTMF Squelch) Function

The DTMF code squelch and paging functions (DSQ) are standard with the DJ-582.

Scanning Features (8 Scanning Modes)

The DJ-582 has four distinct scanning operations. Each can be programmed for Busy Scan (stop and wait on the first detected busy frequency), and Time Scan (stop for 5 seconds on the first detected busy frequency).

Memory Channels

Each Memory Channel can store any sub-audible tone and odd offset (0~15.995MHz) with + or - offset direction.

Tone Squelch is standard with the DJ-582T (optional accessory for DJ-582E).

Cross Band Repeater Function Capability

Other Functions and Features

- * Automatic Dialer Function
- * Power Level Selections
- * Battery Saving Function
- * Automatic Power Off Function
- * Illuminated Key Pad
- * Single/Twin Band Selectability
- * DSQ wild card feature
- * Optional Remote Control Mic, and other available accessories.



SPECIFICATIONS

General

Frequency Coverage (U.S. "T" Version) VHF: 144.000~147.995MHz FM (TX)
130.000~173.995MHz FM (RX)
108.000~113.995MHz AM (RX)
UHF: 438.000~449.995MHz FM (TX)
420.000~470.000MHz FM (RX)
(Eu. "E" Version) VHF: 144.000~145.995MHz FM (TX, RX)
UHF: 430.000~439.995MHz FM (TX, RX)
5, 10, 12.5, 20 and 25kHz steps
VHF+UHF total 40ch
F3B (FM)
2K Ω nominal
8 Ω
50 Ω
140(H) x 58(W) x 33(D)mm
(with Dry Cell Battery Case EDH-11 or
Ni-Cd Battery Pack EBP-26N)
410g

Tone Squelch

Standard (U.S. Version)
Option (Eu. Version)

Transmitter

Output Power

with EBP-26N: approx. 2W/VHF & UHF
with EBP-28N: approx. 5W/VHF & UHF
Variable Reactance Frequency Modulation
 ± 5 kHz
Better than -60dB below carrier level

Modulation System
Max. Freq. Deviation
Spurious Emission

Receiver

Receiving System
Sensitivity
Intermediate Freq.

Double-Conversion Superheterodyne
12dB SINAD less than -15dBp
VHF: 1st. IF 55.05MHz 2nd. IF 455kHz
UHF: 1st. IF 30.85MHz 2nd. IF 455kHz

*Specifications are subject to change without notice
Values typical at band center

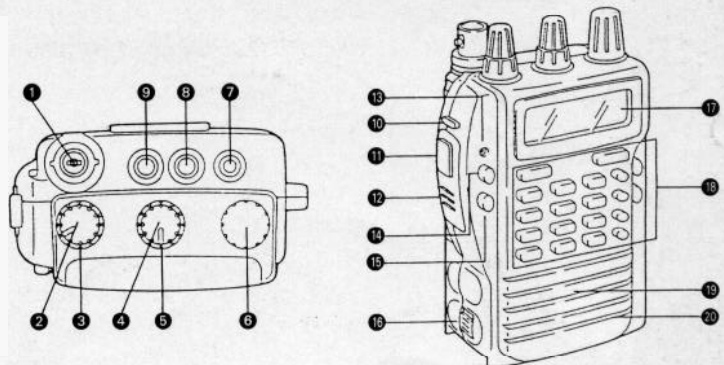
FEATURE IDENTIFICATIONS

Top View

- 1 Antenna Connector
- 2 VHF Volume Control
- 3 VHF Squelch Control
- 4 ON/OFF, UHF Volume Control
- 5 UHF Squelch Control
- 6 Rotary Dial Encoder
- 7 Microphone Jack
- 8 Speaker/Earphone Jack
- 9 @V/U Stereo Speaker Jack

Front, Back, and Side View

- 10 Function Key
- 11 PTT Key
- 12 Low PTT Key (U.S. Version)
- 13 1750Hz Tone Burst (Eu. Version)
- 14 TX Lamp
- 15 Lamp Key
- 16 Monitor Key
- 17 Battery Release
- 18 LCD
- 19 Key Board
- 20 Speaker
- 21 Microphone



LCD DISPLAY

- 1 Memory No.
- 2 Battery Save On
- 3 Tone Encoder/Decoder
- 4 Priority/Dual Watch
- 5 AM (Airband) Detector On*
- 6 Split Operation
- 7 Timer Scan
- 8 Output Power
- 9 Auto-dialer
- 10 Offset Shift
- 11 DTMF Pager/Squelch (DSQ)

- 12 @VHF as Main Band
- 13 Frequency
- 14 Auto Power Off
- 15 On Air indicator
- 16 S/R Meter
- 17 Frequency Decimal Point
- 18 @Tone Freq. Decimal Point
- 19 PTT Lock
- 20 Frequency Lock
- 21 UHF as Main Band

*Applicable to U.S. Version



OPTIONS

Ni-Cd Battery pack 7.2V 700mA EBP-26N
Ni-Cd Battery pack 12V 700mA EBP-28N
Ni-Cd Battery pack 7.2V 1200mA EBP-24N
Drycell case (AA cell x 6 pcs) EDH-11
Mobile DC Power Cable with Noise Filter EDC-36
Cable for external power supply EDC-37
Tone Squelch (Option for European Version) EJ-12U
Speaker Microphone with Remote Control EMS-8

Earphone Microphone with VOX/PTT EME-11
Headset with VOX/PTT EME-12
Battery Charger (120VAC) EDC-49
Battery Charger (220VAC) EDC-50
Quick Charger (120VAC) EDC-57
Quick Charger (220VAC) EDC-58
Soft Case (used with EBP-26N or EDH-11) ESC-17
Soft Case (used with EBP-28N or EBP-24N) ESC-26

Authorized Dealer:



ALINCO ELECTRONICS INC.

Head Office: "TWIN 21" MID Tower Building 23F
1-61, 2-Chome Shiromi Chuo-ku, Osaka No.540, Japan
Phone 06-946-8150 Fax 06-946-8175 Telex: 63088

U.S.A.: ALINCO ELECTRONICS INC.
438 Amapola Ave., Unit 130, Torrance, CA 90501, U.S.A.
Phone: 310-618-8616 Fax: 310-618-8758

Germany: ALINCO ELECTRONICS GMBH
Alt Hauser 34, D-60488 Frankfurt am Main, Germany
Phone: 069-786018 Fax: 069-789-6076

Italy: ALINCO ELECTRONICS S.R.L.
Via Staffora 35/D, 20090 Opera (Milano), Italy
Phone: 02-57605160 Fax: 02-57606091

China: ALINCO ELECTRONICS (Beijing Office)
Beijing Fortune Bldg. Room 918-A
No 5 Dong San Huan Bei Lu Chaoyang District Beijing China
Phone: 01-501-7561 Fax: 01-501-7560