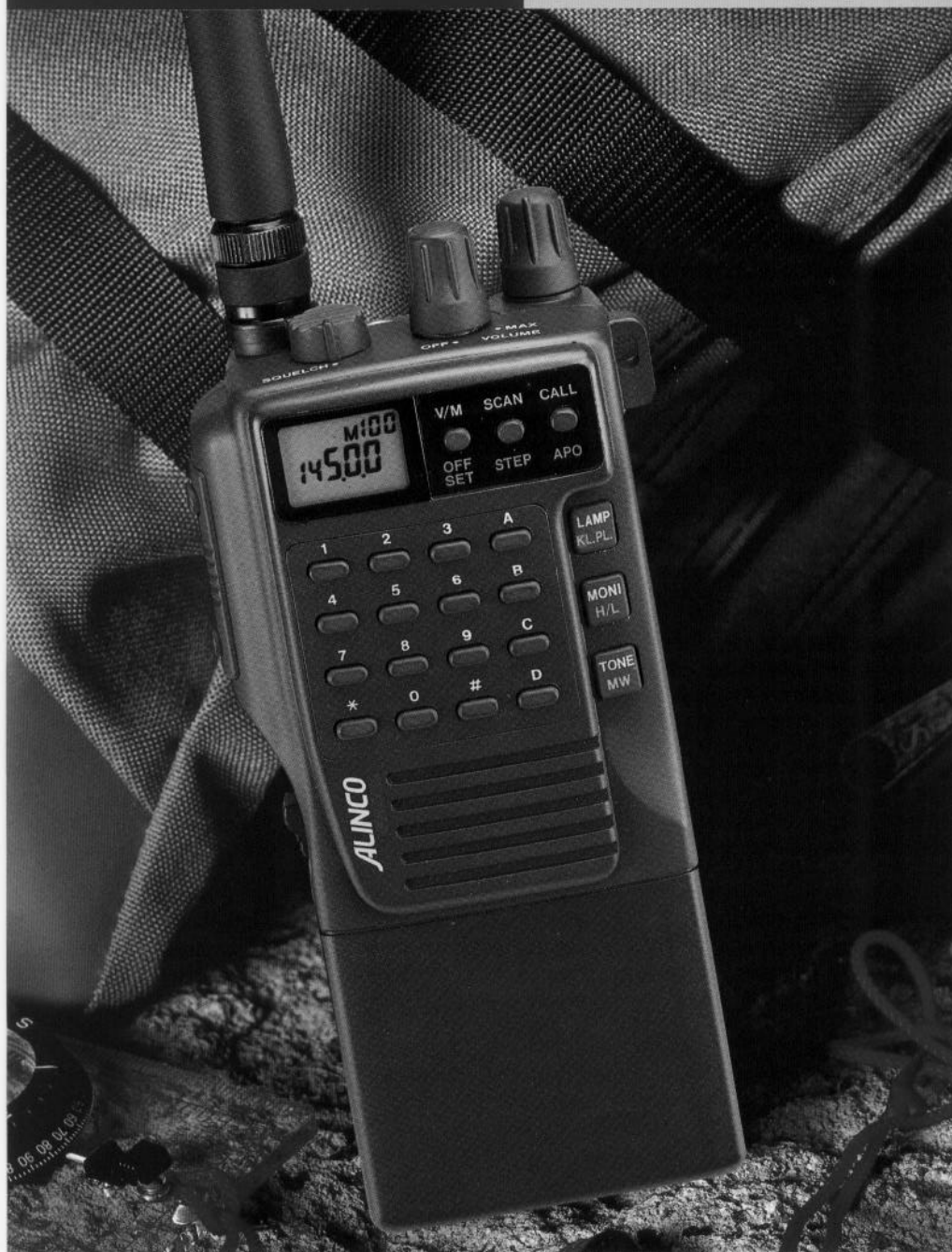


ALINCO

DJ-180/DJ-480

VHF/UHF FM HANDHELD TRANSCEIVER



EXPANDABLE MEMORY

The DJ-180/DJ-480 comes standard with ten memory channels including one call channel. It can be upgraded to **50 or even 200 memory channels.**

MEMORY FEATURES

Most functions such as repeater offset, shift direction, CTCSS encode and tone squelch can be stored in each memory channel independently.

ODD REPEATER OFFSETS

Repeater offsets can be programmed freely from 0 MHz to 15.995 MHz in 5 kHz steps. A different repeater offset can be stored in each memory channel, even when using the expanded memory channel option.

2 WATTS TRANSMIT POWER OUTPUT

Up to **5 Watts** with our optional 12 volt Ni-Cd battery pack.

COMMERCIAL GRADE FEATURES

For commercial users, the LCD display can be set to Channel Display. Channel plans are dealer programmable.

EFFICIENT POWER CONSUMPTION

The DJ-180/DJ-480 automatically reduces its squelched receive current to about 30mA average when no signal is received for over 5 seconds.

AUTOMATIC POWER OFF FUNCTION

The DJ-180/DJ-480 can be programmed to shut itself off when left dormant for a predetermined time.

SUPERIOR RECEIVE AUDIO

A full range speaker and crisp clean audio circuitry combine for unbelievable great sound.

SIMPLE OPERATION ADVANCED TECHNOLOGY

Just when you thought great audio and tough as nails construction were luxury features available only on the most expensive models, and just when you thought simple, intuitive operation was a thing of the past, along comes the ALINCO DJ-180/DJ-480.

Measuring a tiny 132(H) x 58(W) x 33(D) mm, the DJ-180/DJ-480 is designed with the ham radio enthusiast in mind. The command keys are laid out so you won't have to spend hours studying the manual.

The large 16 digit DTMF pad and highly visible illuminated LCD display won't require you to use a magnifying 'glass to see them.

SPECIFICATIONS

General

		TX	RX	
Frequency Coverage	DJ-180T/TM	144.000-147.995MHz	130.000-173.995MHz	(U.S. Amateur Versions)
	DJ-180E/EA/EB/TS	144.000-145.995MHz	144.000-145.995MHz	(World Amateur Versions)
	DJ-180TA/TA2/TB	130.000-173.995MHz	130.000-173.995MHz	(Commercial Versions)
	DJ-480T	440.000-449.995MHz	430.000-459.995MHz	(U.S. Amateur Version)
	DJ-480E	430.000-439.995MHz	430.000-439.995MHz	(World Amateur Version)
	DJ-480C1/TA1	400.000-420.000MHz	400.000-420.000MHz	(Commercial Version)
	C2/TA2	450.000-470.000MHz	450.000-470.000MHz	(Commercial Version)
	C3/TA3	430.000-450.000MHz	430.000-450.000MHz	(Commercial Version)
	C4/TA4	470.000-490.000MHz	470.000-490.000MHz	(Commercial Version)
	C5/TA5	490.000-512.000MHz	490.000-512.000MHz	(Commercial Version)
	(DTMF is option in E, EB, C1, C2, C3, C4, C5)			
Tuning Step	5, 10, 12.5, 15, 20, 25 kHz steps			
Memory Channels	10 channels			
Antenna Impedance	50Ω unbalanced			
Modulation	F3E (FM)			
Power Supply Requirement	5.5 ~ 13.8 VDC (Standard: 7.2 VDC)			
Dimensions	Approx. 132 (H) × 58 (W) × 33 (D) mm Approx. 5.2" (H) × 2.3" (W) × 1.3" (D)			

Transmitter

Output Power	About 2.0W with Ni-Cd Battery Pack EBP-26N or EDH-13 About 5.0W with Ni-Cd Battery Pack EBP-28N
Modulation System	Variable reactance frequency modulation
Max. Freq. Deviation	± 5 kHz
Tone Frequency	67.0 to 250.3 Hz 38 Subaudible encoding tones
TX/RX Offset Range	0 ~ ± 15.995 MHz
Tone Burst Freq.	1750 Hz (European Amateur Version)

Receiver

Receiving System	Double-conversion superheterodyne
Intermediate Frequency	1st: 21.4 MHz (DJ-180)/30.85 MHz (DJ-480) 2nd: 455 kHz
Sensitivity	12 dB SINAD less than -16 dBμ (Amateur Band only)
Selectivity	less than at ± 12 kHz/-6 dB

NOTE: Specifications are subject to change without notice. Specifications are guaranteed on amateur band only.

FEATURE IDENTIFICATION

Upper View

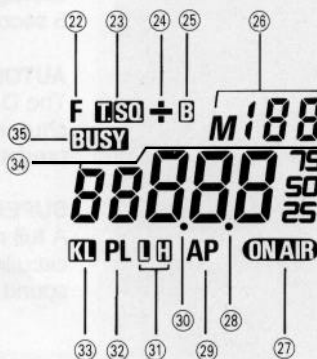
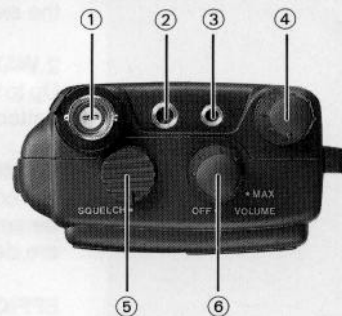
- ① BNC Antenna Connector
- ② Speaker Jack
- ③ Mic Jack
- ④ Tuning Dial Knob
- ⑤ Squelch Control
- ⑥ Volume Control/Power Switch

Front and Side View

- ⑦ LCD Display
- ⑧ Function Key
- ⑨ PTT Key
- ⑩ Battery Pack Release Button
- ⑪ DTMF Key Pad
- ⑫ VFO/Memory Mode Key (Offset)
- ⑬ Scan Key (CH Step)
- ⑭ Call Mode Key (Auto Power Off)
- ⑮ Lamp Key (Key Lock/PTT Lock)
- ⑯ Monitor Key (Power High/Low)
- ⑰ Tone Set Key (Memory Write)
- ⑱ Speaker
- ⑲ Microphone
- ⑳ Battery Pack
- ㉑ Tone Burst Key (European Version)

LCD Indication

- ㉒ Function Key
- ㉓ Tone Encoder, Tone Squelch
- ㉔ + / - shift
- ㉕ Battery alarm
- ㉖ Memory channel
- ㉗ On air
- ㉘ Tone Frequency Decimal point
- ㉙ Auto Power off
- ㉚ Frequency Decimal point
- ㉛ Output Power
- ㉜ PTT Key Lock
- ㉝ Frequency Key Lock
- ㉞ Busy



OPTIONAL ACCESSORIES

- Ni-Cd Battery Pack 7.2V 700mAh..... EBP-26N
- Ni-Cd Battery Pack 12V 700mAh..... EBP-28N
- Ni-Cd Long life Battery Pack 7.2V 1200mAh..... EBP-24N
- Dry Cell Case (1.5V × 6 pcs.)..... EDH-11
- Dry Cell Case with terminals (1.5V × 6 pcs.)..... EDH-13
- A.C. Wall Charger..... EDC-49 (for 117V)
- A.C. Wall Charger..... EDC-50 (for 220/240V)
- A.C. Quick Charger..... EDC-45 (for 117V A.C.)
- A.C. Quick Charger..... EDC-46 (for 220V/240V A.C.)
- Speaker microphone..... EMS-9
- Mobile bracket..... EBC-6
- Headset (ear hook)..... EME-12
- Headset (inner)..... EME-13
- Tie-Pin microphone..... EME-15
- Soft Case (standard size)..... ESC-18
- Soft Case (big size)..... ESC-19
- Tone Squelch Unit..... EJ-17U
- DTMF Encoder Unit with Key Pad..... EJ-13U
- 50 ch Memory Unit..... EJ-14U
- 200 ch Memory Unit..... EJ-15U
- DC Jack Adaptor..... EDH-12
- AL Trunk module..... EJ-18U

Authorized Dealer:



ALINCO ELECTRONICS INC.

Head Office: "TWIN 21" MID Tower Building 23F
1-61, 2-Chome, Shiromi Chuo-ku, Osaka No.540J Japan
Phone: 06-946-8150 Fax: 06-946-8175 Telex: 630066

U.S.A.: ALINCO ELECTRONICS INC.
436 Amapola Ave., Unit 130, Torrance, CA 90501, U.S.A.
Phone: 310-618-8618 Fax: 310-618-8758

Germany: ALINCO ELECTRONICS GMBH
Bernstrasse 51, 6000 Frankfurt/M.50, Germany
Phone: 069-5076064 Fax: 069-5076650

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 Beilu, Chaoyang District Beijing China
Phone: 01-501-7561 Fax: 01-501-7560