

ALINCO

VHF FM DATA RADIO

DR-1200T



THE SMARTEST WAY TO
CONNECT YOU AND PACKET RADIO.

THE ALINCO DR-1200T, 2M DATA RADIO IS ENGINEERED TO OPTIMIZE PACKET RADIO PERFORMANCE AND OPERATING CONVENIENCE INTO A COMPACT PACKAGE. 25W RF OUTPUT, 1200/2400 bps UTILITY, 14 MEMORY CHANNELS, 4 SCANNING MODES, AND OTHER EXCELLENT FEATURES ARE PROVIDED AT ECONOMICAL PRICE. THE DR-1200T IS THE SMARTEST WAY TO CONNECT YOU AND PACKET RADIO.

THE DR-1200T PROVIDES 25W RF OUTPUT WITH HI/LOW POWER SELECTION SWITCH.

COMPACT SIZE AND LIGHT WEIGHT.
140(W) x 40(H) x 170(D)mm (5-1/2" x 2" x 6-3/4") AT 2.25 lbs.

14 MULTI FUNCTION MEMORY CHANNELS

THE UNIT CONTAINS 14 FULLY PROGRAMMABLE MEMORY CHANNELS. EACH CHANNEL STORES OPERATING FREQUENCY, STANDARD OFFSET, AND OTHER USEFUL INFORMATION.

HIGHLY VISIBLE LCD.

ILLUMINATED LCD DISPLAY WITH FUNCTION INDICATORS.

6 CHANNEL SPACING STEPS.

FOR EASE OF OPERATION 5, 10, 12.5, 15, 20, AND 25 kHz STEPS.

4 SCANNING MODES

- VFO SCANNING OF THE ENTIRE BAND.
- MEMORY SCANNING OF THE ENTIRE BAND.
- PROGRAMMED BAND-SCANNING OF A SELECTED SEGMENT OF THE BAND.
- PRIORITY SCANNING ALLOWS SELECTION OF A FREQUENCY, IN VFO OR MEMORY TO SERVE AS A PRIORITY FREQUENCY.

(d) PRIORITY SCANNING ALLOWS SELECTION OF A FREQUENCY, IN VFO OR MEMORY TO SERVE AS A PRIORITY FREQUENCY.

RESTRICTED ACCESS OPERATION. ALLOWS FOR PROGRAMMABLE ENCODE/DECODE SUBAUDIBLE TONES.

OTHER OUTSTANDING FEATURES

- FUNCTION KEY LOCK
- REVERSE KEY-INVERTS TX-RX
- MEMORY SKIP
- ODD OFFSET
- MULTIPLE STANDARD OFFSETS
.. OTHERS TOO NUMEROUS TO LIST.

ACCESSORIES SUPPLIED

- . AS STANDARD.
- . INTERFACE CABLE
- DC POWER CABLE
- . RUBBER FOOT

SPECIFICATIONS

General

Frequency Coverage144.00–147.995MHz(U.S.) Version)

Frequency Resolution.....5| 10, 12.5, 15, 20 and 25kHz|

Antenna Impedance.....50 ohms unbalanced

Power Supply requirement.....3.8 Volts| D.C|

Current Drain at 13.8V.....Receiving
Squelched: Does not exceed 500mA|

Transmitting
High: 25W approx 5.5A|
Low: 5W approx 2.5A|

Dimension 140mm(W) x 40mm(H) x 170mm(D)|
(5–1/2") x (2") x (6–3/4")

Weight2.25LBS

Transmitter

Output power.....High| 25Watts
Low: 5Watts|

Emission ModeF3E|

Modulation SystemVariable Reactance F.M.|

Max. Frequency Deviation.....± 5kHz|

Spurious EmissionMore than 60dB below Carrier

Operating ModeSimplex|
Duplex: ±600kHz| 1.6MHz| 5MHz| 7.6MHz
from receive frequency and 1 channel odd
offsets programmable

Receiver

Receiving System.....Superhetrodyne| dual conversion

Modulation acceptanceF3E|

Intermediate frequency1st 10.7MHz| 2nd 455kHz|

Sensitivity2dB SINAD less than 0.16µV|

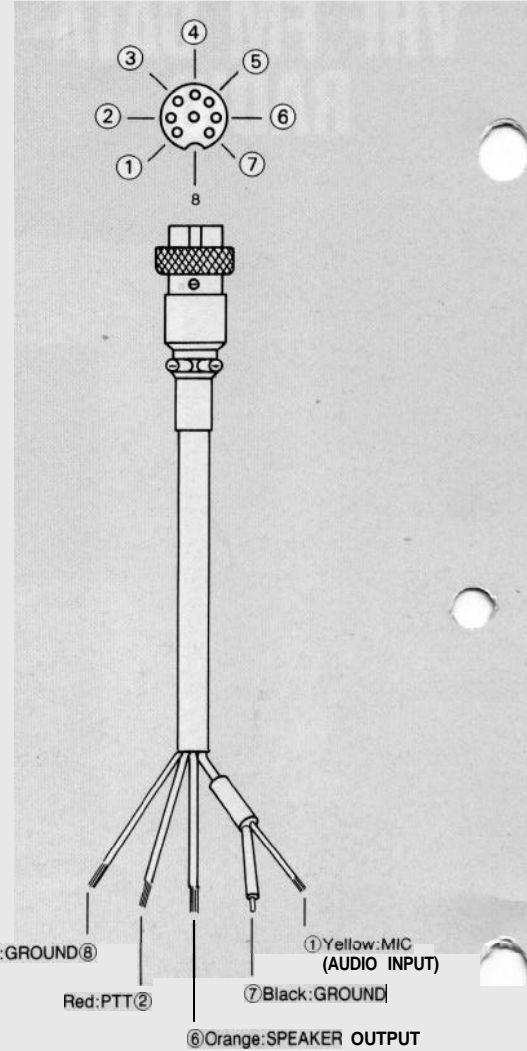
SelectivityMore than ±6KHzat| -6dB

Audio Power Output.....More than 1.5Watts(8ohms -10% Distortion)

Speaker Impedance.....8 ohms|

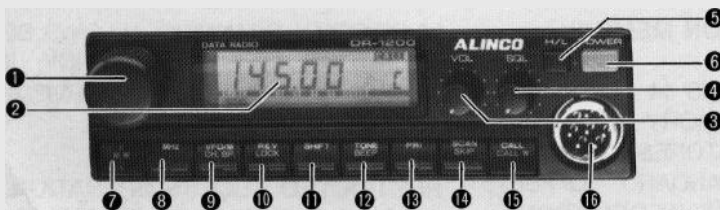
Note: Specifications are subject to change without notice.
Specifications are guaranteed for amateur band only.

INTERFACE CABLE



Remarks: The number of cables are five and
③, ④, ⑤ are un-useful.

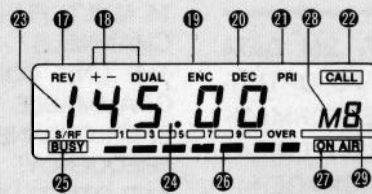
Front Panel



- ① Main Dial
- @ LCD Panel
- ③ Volume Control
- @ Squelch Control
- @ H/L Switch
- ⑥ Power Switch
- @ Function/Memory Write Key
- ⑧ MHz(Band) Key
- ⑨ VFO/M/Channel Step Key
- @ Reverse/Lock Key

- ① Shift Key
- @ Sub Tone/Beep Key
- @ Priority Key
- @ Scan/Memory Skip Key
- ⑮ Call Channel/Call Channel Write Key
- @ Interface Jack
- @ Reverse Indication
- @ Offset Indication
- @ Tone Encoder Indication
- @ Tone Decoder (Tone Squelch) Indication

LCD Panel



- OPTIONAL ACCESSORIES
- Mobile Bracket
- Mobile Bracket Mounting Hardware
- Microphone for DR-1200T

- @ Priority Indication
- @ Call Channel Indication
- @ Frequency Indication
- @ Decimal Readout Point
- @ Busy Indication
- @ S/R/F Meter Indication
- @ On Air Indication
- @ Memory Indication
- ⑳ Memory Channel Indication

Authorized Dealer:



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