

ALINCO

VHF FM MOBILE TRANSCEIVER

DR Series

DR-110T

(U.S. Model)

DR-110E

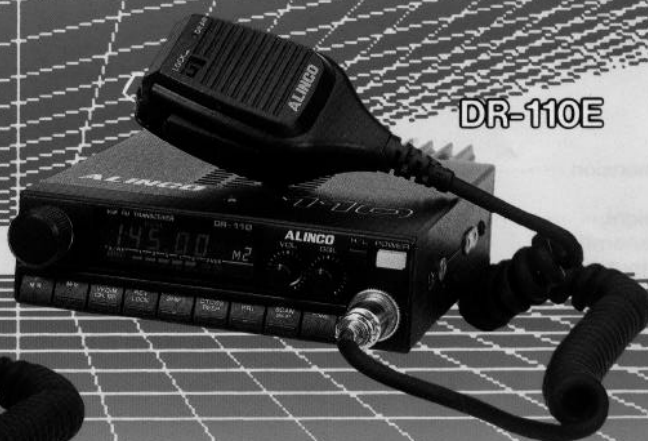
(Europe Model)

TINY-TOUGH AND TERRIFIC

BIG POWER IN A COMPACT PACKAGE



DR-110T



DR-110E

The ALINCO DR-110T/110E, 2m FM Mobile Transceivers have been specially designed to condense maximum performance and operating convenience into an ultra compact package. An impressive array of features give maximum flexibility in mobile installations.

High Output Power

The DR-110T/110E provide a powerful 45Watts of RF Output with HI/LO powerswitch.

Compact Size and Lightweight.

140(W)×40(H)×170(D)mm (5-1/2"×2"×6-3/4") at 1.1Kgs(2.42 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.

A new color LCD.

6 Channel Spacing steps.

for ease of operation 5, 10, 12.5, 15, 20 and 25 KHz.

4 Scanning Modes.

- (a) VFO -Scanning of the entire band.
- (b) Memory -Scanning of selected memories.
- (c) Programmed Band-Scanning of a selected segment of the band.
- (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 sub-audible tones(DR-100T) or a 1,750Hz tone call function(DR-110E)

Microphone

The standard microphone offers:

- (A) UP/DOWN buttons for ease of frequency/Memory selection.
- (B) An LED "ON AIR" indicator and "LOCK" switch to enable/disable microphone function(DR-110E)
- (C) DTMF Encoder built-in.(DR-110T)

Other Outstanding

Features:

- Function Lock Key
- Reverse Key-Inverts TX-RX
- Memory Skip
- Odd Offset
- Multiple Standard Offsets
- Other too numerous list.

Accessories supplied as standard:

- Hand Microphone(Condenser type)
 - a. 16 button DTMF Microphone(DR-110T)
 - b. Hand Microphone(DR-110E)
- Mobile Mounting Bracket
- Mounting Hardware
- D.C. power Cable

SPECIFICATIONS

General

Frequency Coverage144.00—147.995Mhz.(U.S.) Version)
 144.00—145.9875Mhz.(Europe) Version)
 Frequency Resolution 5, 10, 12.5, 15, 20 and 25Khz
 Antenna Impedance50 ohms unbalanced
 Power Supply requirement 13.8 Volts D.C.
 Current Drain at 13.8VReceiving

Squelched:Does not exceed 500mA

Transmitting

High:45W approx 9.5A

Low : 5W approx.4A

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

Weight..... 1.1Kgs.(2.42Lbs.)

*Transmitter

Output power High:45Watts
 Low :Approx. 5Watts

Emission Mode 16F3

Modulation SystemVariable Reactance F.M.

Max. Frequency Deviation ±5Khz

Spurious EmissionMore than 60dB below Carrier

MicrophoneElectret Condenser Microphone

Operating ModeSimplex

Duplex:±600Khz from receive frequency
 and odd offsets programmable

DTMF Encoder.....Built-in(DR-110T)

@Receiver

Receiving SystemSuperhetrodyne, dual conversion

Modulation acceptance16F3

Intermediate frequency1st 10.7Mhz 2nd 455Khz

Sensitivity12dB SINAD less than 0.16uV

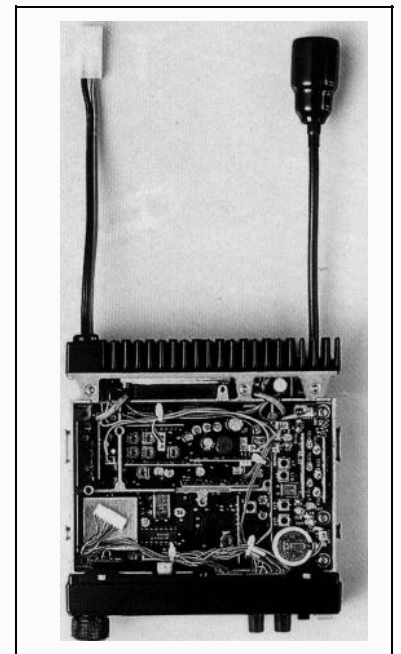
SelectivityMore than ±6Khz at -6dB

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

Speaker Impedance8ohms

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

Rugged Die-Cast Chassis



Front Panel



LCD Panel



1 Main Dial

2 LCD Panel

3 Volume Control

4 Squelch Control

5 H/L Switch

6 Power Switch

7 Function/Memory Write Key

8 MHz(Band) Key

9 VFO/M/Channel Step Key

10 Reverse/Lock Key

11 Shift Key

12 Sub Tone/Beep Key

13 Priority Key

14 Scan/Memory Skip Key

15 Call Channel/Call Channel Write Key
 (DR-110E: Tone Burst Key)

16 Microphone Terminal

17 Reverse Indication

18 Offset Indication

19 Tone Encoder Indication

20 Tone Decoder(Tone Squelch)Indication

21 Priority Indication

22 Call Channel Indication

23 Frequency Indication

24 Decimal Readout Point

25 Busy Indication

26 S/R Meter Indication

27 On Air Indication

28 Memory Indication

29 Memory Channel Indication

Authorized Dealer:



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