

# ALINCO

# VHF FM MOBILE TRANSCEIVER

DR Series

## DR-112T

(U.S.Model)

## DR-112E

(Europe Model)

### TINY-TOUGH AND TERRIFIC

### BIG POWER IN A COMPACT PACKAGE



DR-112T



DR-112E

The ALINCO DR-112T/112E, 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-112T/112E provide a powerful 45Watts of RF Output with HI/LO powerswitch.

#### Compact Size and Lightweight.

140(W)×40(H)×170(W)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-112T) or a 1,750Hz tone call function(DR-112E).

#### 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-112E )
- (C) DTMF Encoder built-in.(DR-112T)

#### 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-112T) b. Hand Microphone(DR-112E)
- Mobile Mounting Bracket
- Mounting Hardware
- D.C. power Cable

# VHF FM MOBILE TRANSCEIVER

ALINCO

## SPECIFICATIONS

### General

Frequency Coverage	144.00—147.995Mhz.(U.S. Version) 144.00—145.9875Mhz.(Europe) Version)
Frequency Resolution	5, 10, 12.5, 15, 20 and 25Khz.
Antenna Impedance	50 ohms unbalanced
Power Supply requirement	13.8 Volts D.C.
Current Drain at 13.8V	Receiving 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 System	Variable Reactance F.M.
Max. Frequency Deviation	±5Khz
Spurious Emission	More than 60dB below Carrier
Microphone	Electret Condenser Microphone
Operating Mode	Simplex Duplex: ± 600Khz from receive frequency and odd offsets programmable
DTMF Encoder	Built-in(DR-110T)

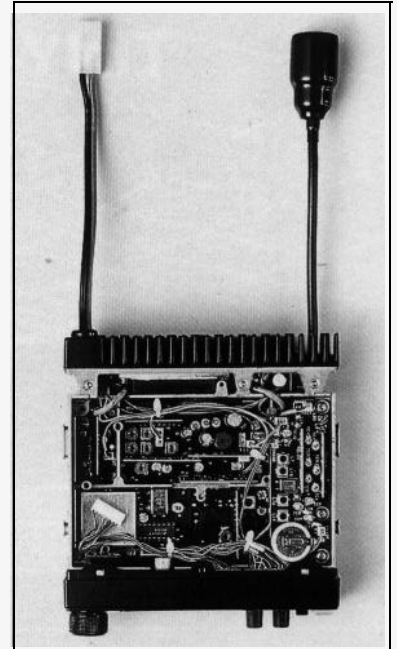
### Receiver

Receiving System	Superhetrodyne dual conversion
Modulation acceptance	16F3
Intermediate frequency	1st 10.7Mhz 2nd 455Khz
Sensitivity	12dB SINAD less than 0.16uV
Selectivity	More than ±6Khz at -6dB

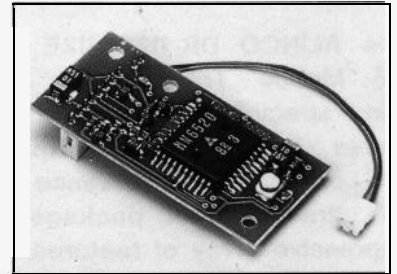
Audio Power Output	More than 1.5Watts(8ohms) -10% Distortion)
Speaker Impedance	8 ohms

Note: Specifications are subject to change without notice.  
Specifications are guaranteed for amateur band only.  
(Frequency 130MHz-169.995 MHz can be modified for commercial use.)

### Rugged Die-Cast Chassis



### Option



Tone Squelch Unit EJ-3U

### Front Panel



### LCD Panel



- |   |   |   |
|---|---|---|
| <ul style="list-style-type: none"> <li>1 Main Dial</li> <li>2 LCD Panel</li> <li>3 Volume Control</li> <li>4 Squelch Control</li> <li>@H/L Switch</li> <li>6 Power Switch</li> <li>7 Function/Memory Write Key</li> <li>8 MHz(Band) Key</li> <li>9 VFO/M/Channel Step Key</li> <li>10 Reverse/Lock Key</li> </ul> | <ul style="list-style-type: none"> <li>11 Shift Key</li> <li>@Sub Tone/Beep Key</li> <li>13 Priority Key</li> <li>@Scan/Memory Skip Key</li> <li>15 Call Channel/Call Channel Write Key (DR-110E: Tone Burst Key)</li> <li>16 Microphone Terminal</li> <li>17 Reverse Indication</li> <li>18 Offset Indication</li> <li>19 Tone Encoder Indication</li> </ul> | <ul style="list-style-type: none"> <li>20 Tone Decoder(Tone Squelch)Indication</li> <li>21 Priority Indication</li> <li>@Call Channel Indication</li> <li>23 Frequency Indication</li> <li>24 Decimal Readout Point</li> <li>@Busy Indication</li> <li>@S/R Meter Indication</li> <li>@On Air Indication</li> <li>28 Memory Indication</li> <li>29 Memory Channel Indication</li> </ul> |
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Authorized Dealer:



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