

ALINCO

VHF FM MOBILE TRANSCEIVER

DR-119T DR-119E

(U.S. Version)

(European Version)



DR-119T



DR-119E

50WATTS: BIG POWER IN COMPACT PACKAGE

A Super-Compact mobile in a size no bigger than an ordinary car stereo, the tiny DR-119T/E is really powerful 50W VHF FM mobile with excellent sensitivity but built tight for low intermod. The ergonomic design fits easily in your car.

High Output Power

The DR-119T/E provide a powerful 50Watts of RF Output with HI/LO power switch.

Compact Size and Lightweight.

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

High 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 standard (DR-119T) or a 1750Hz tone call function (DR-119E).

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-119E)

- (C) DTMF Encoder built-in (DR-119T)

Other Outstanding

Features:

- Function Lock Key
- Reverse Key-Inverts TX-RX
- Memory Skip
- 1 Channel Odd Offset
- Multiple Standard Offsets

Accessories supplied

as standard:

- Hand Microphone(Condenser type)
 - a. 16 button DTMF Microphone(DR-119T)
 - b. Hand Microphone(DR-119 E)
- Mobile Mounting Bracket
- Mounting Hardware
- D.C. power Cable

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: 50W approx. 11A 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: 50Watts Low: Approx. 5Watts
Emission Mode	F3E(FM)
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, 1.6MHz, 5MHz, 7.6MHz from receive frequency and 1 channel odd offsets programmable
DTMF Encoder	Built-in(DR-119T)

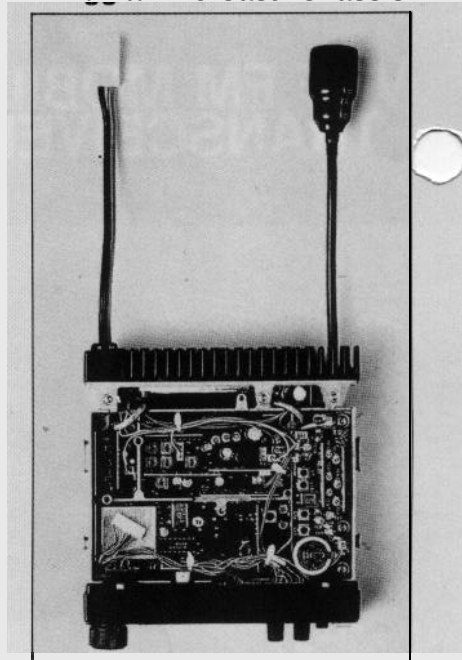
● Receiver

Receiving System	Superhetrodyne dual conversion
Modulation acceptance	F3E(FM)
Intermediate frequency	1st 10.7MHz 2nd 455kHz
Sensitivity	12dB SINAD less than 0.16μV
Selectivity	More than ±6kHz at -6dB

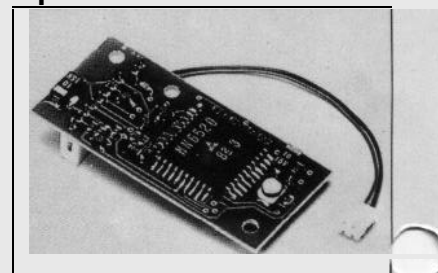
Audio Power Output	More than 1.5Watts(8ohms -10% Distortion)
Speaker Impedance	8 ohms

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

■ Rugged Die-Cast Chassis

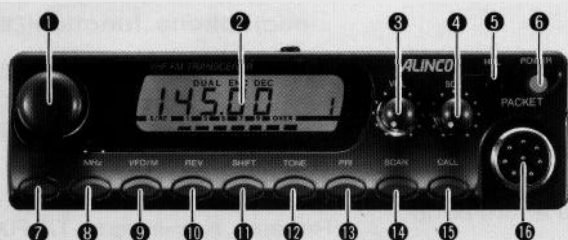


Option For E-Version



Tone Squelch Unit EJ-3U

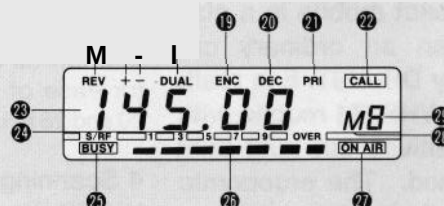
■ Front Panel



- 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/Beeper Key
- ⑬ Priority Key
- ⑭ Scan/Memory Skip Key
- ⑮ Call Channel/Call Channel Write Key (DR-119E: Tone Burst key)
- ⑯ Microphone Terminal
- ⑰ Reverse Indication
- ⑱ Offset Indication
- ⑲ Tone Encoder Indication

■ LCD Panel



- ⑲ Tone Decoder(Tone Squelch) Indication
- ⑳ Priority Indication
- ㉑ Call Channel Indication
- ㉒ Frequency Indication
- ㉓ Decimal Readout Point
- ㉔ Busy Indication
- ㉕ S/R Meter Indication
- ㉖ On Air Indication
- ㉗ Memory Indication
- ㉘ Memory Channel Indication

Authorized Dealer:



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