

ALINCO

MOBILE/BASE VHF VOICE/DATA TRANSCIVER

DR-135 T/E

Get ready for a new concept in mobile or base communications. The Alinco DR-135 combines power, multiple functions and attractive design in a transceiver built to support voice and data communications.

As a voice communications transceiver, the DR-135 offers many convenience features in an attractive package, including a huge 7-character alphanumeric display, large easy-to-operate controls, 3 power settings, wide or narrow FM modes, a massive heat sink for reliable operation, theft alarm feature, ignition key on/off control and much more.

Packet and APRS™ are supported with the optional internal EJ-41U digital communications board. With its internal TNC, the DR-135 can be used for keyboard communications or geolocating in combination with an external GPS at 1200 or 9600 bps.

A DSUB9 computer terminal is found on the rear panel and a convenient data port on the front panel allows easy GPS connection.



VHF Excitement!

Alinco introduces the DR-135 mobile/base transceiver. It will change your thinking on what a radio can do!

- 100 memory channels and alphanumeric channel labels
- Large 7 character alphanumeric display operates in 3 different modes
- CTCSS and DCS encode + decode plus 4 European tone bursts
- 50/10/5 watt power output settings
- Conventional or narrow FM modes
- AM Airband Receive (DR-135T only)
- Large backlit DTMF microphone (in selected markets)
- Multiple scan modes
- Packet and APRS® operation with EJ-41U internal TNC
- Retains mode and TNC settings through power on/off cycles
- Front panel data port, rear panel DSUB9 computer connection
- Ignition key activated on/off feature
- Cable clone capability
- Theft alarm feature
- Auto dialer with 10 memories
- MARS/CAP capability (DR-135T)
- Available with black or pewter color front panel
- Front panel power supply voltage display



Easy to operate, clean design, packed with features, clean audio and digital-ready!

100 memories

Store frequency, offset, channel labels, CTCSS or DCS settings

Packet and APRS® with with EJ-41UTNC

No need for an external TNC! Connect to your computer for base use, add a GPS and/or computer for mobile position reporting and normal packet in 1200 or 9600 bps modes. No need to re-enter settings each time power is cycled. No need to remove mic for packet!

Ignition key on/off feature

Save your battery or be sure your APRS beacons have stopped. A simple connection (with optional connecting cable) is all that's needed.

Theft Alarm

Adds an extra level of security to your mobile installation.

Engineered for reliability

The DR-135 is surrounded by a massive heat sink for stable and durable operation, now and in the future!

OPTIONS:

- EJ-39D : Trunking Logic Board OMNI function
- ERW-4C : PC Programming EPROM writer
- EMS-56 : Back-Lit speaker microphone with key pad (Standard for T version)
- EMS-53 : Simple operation speaker microphone without Key pad (Standard for E version)
- ADUA38 : Spare DC Power Cable
- ADFM78 : Spare Underdash Bracket

SPECIFICATIONS

General

Frequency coverage	
DR-135T,TG (U.S amateur)	118.000 ~ 135.995MHz (AM RX) 136.000 ~ 173.995MHz (RX) 144.000 ~ 147.995MHz (TX)
DR-135E,EG (European amateur)	144.000 ~ 145.995MHz (RX , TX)
DR-135TA,TAG (Commercial)	118.000 ~ 135.995MHz (AM RX) 136.000 ~ 173.995MHz (RX , TX)
Operating mode	16K0F3E (Wide mode) 8K50F3E (Narrow mode)
Frequency resolution	5 , 8.33 , 10 , 12.5 , 15 , 20 , 25 , 30 , 50
Number of memory channels	100
Antenna impedance	50Ω unbalanced
Power requirement	13.8V DC ±15% (11.7 to 15.8V)
Ground method	Negative ground
Current drain	Receive 0.6A (Max.) 0.4A (Squelched) Transmit 11.0A
Operating temperature	-10 °C to 60 °C
Frequency stability	±1.0kHz
Dimensions	142 (W) × 40 (H) × 174 (D) mm (142 × 40 × 188mm for projection included)
Weight	Approx.1.0kg

Transmitter

Output power	High:50W (T,TG/E,EG) 33W (TA,TAG) Mid:10W Low:5W
Modulation system	Variable reactance frequency modulation
Maximum frequency deviation	±5kHz (Wide mode) ±2.5kHz (Narrow mode)
Spurious emission	-60dB
Adjacent channel power	-60dB
Noise and hum ratio	-40dB (Wide mode) -34dB (Narrow mode)
Microphone impedance	2kΩ

RECEIVER

Sensitivity	-12dB μ for 12dB SINAD
Receiver circuitry	Double conversion superheterodyne
Intermediate frequency	1 st 21.7MHz 2 nd 450kHz
Squelch sensitivity	-16dB μ
Adjacent channel selectivity	-65dB (Wide mode) -55dB (Narrow mode)
Intermodulation rejection ratio	60dB
Spurious and image rejection ratio	70dB
Audio output power	2.0W (8Ω,10%THD)

All specifications are subject to change without notice or obligation.

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