

ALINCO

Quality. Style. Performance!

MOBILE / BASE TRANSCEIVER

VHF DR-138

UHF DR-438



BEST VALUE - PROVEN RELIABILITY - FEATURE PACKED

ALINCO's Monoband Mobiles for Multiple Applications

The DR-138/438 is a high technology PLL synthesized radio that delivers power and performance in a small package. User-friendly configuration and programmable features make the DR-138/438 the radio of choice for demanding operators, both professionals and amateurs.



DR-438
45W max.



DR-138
60W max.

DR-138/138HE/138HT DR-438/438HE



FEATURES

- 3 Selectable/Programmable Output Power Levels
- PC-programmable 200ch
- Alphanumeric name tags
- Voice Compander (Reduce Noise & enhance audio clarity)
- Wide variety of selective calling features are built-in:
2-Tone, 5-Tone, 50 CTCSS, 114 DCS,
4 Tone-burst tones and DTMF/ANI decode
- Radio stun/kill/revive functions to protect your communications security
- Large, bright LCD and easy-to-operate backlit keys
- Multi-function, backlit microphone enables direct frequency entry & more from keypad
- Various scan modes, Key lock, Wide/Narrow operations and more at NO extra costs!
- Inversion Scramble (DR-138S/DR-438S only)



Shown with standard accessories

Standard accessories declared herein are our factory default and may vary at moment of sales depending on the market and Dealers' sales policy.

[Spare accessories]

- ADFM78 : Mobile bracket
- ADUA38 : DC Power Cable (15A Fuse)
- EMS-74 : Back-Lit microphone with keypad

Options

Alarm/extension cable kit ADALM135	Ciger-plug cable EDC-43 for automatic ON/OFF	ERW-4C serial port	ERW-7 USB port

SPECIFICATIONS

ETSI EN 300 086 standard testing

General

Tested to comply MIL-STD-810G
-Shock: Method 514.6/1, IV -Vibration: Method 516.6/1

Frequency Range (MHz)	DR-138 : TX/RX 136.000-173.9975 DR-138HE : TX/RX 144.000-145.9975 DR-138HT : TX 144.000-147.9975 RX 136.000-173.9975 DR-438 : TX/RX 400.000-469.9975 DR-438HE : TX/RX 430.000-439.9975
Number of Channels	200 channels
Channel Spacing	25KHz (Wide mode) 20KHz (Middle mode) 12.5KHz (Narrow mode)
Channel step	2.5KHz, 5KHz, 6.25KHz, 8.33KHz, 10KHz, 12.5KHz, 15KHz, 20KHz, 25KHz, 30KHz, 50KHz
Operating Voltage	13.8V DC ±15%
Squelch	Carrier/CTCSS/DCS/5Tone/2Tone/DTMF
Frequency Stability	±2.5ppm
Operating Temperature	-20°C~+60°C
Dimensions	145 (W) x 47 (H) x 190 (L)mm approx.
Weight	approx. 1.2kg

Receiver

	Wide mode	Narrow mode
Sensitivity (12dB Sinad)	≤0.25µV	≤0.35µV
Adjacent Channel Selectivity	≥70dB	≥60dB
Intermodulation	≥65dB	≥60dB
Spurious Rejection	≥70dB	≥70dB
Audio Response	+1~-3dB(0.3~3KHz)	+1~-3dB(0.3~2.55KHz)
Hum & Noise	≥45dB	≥40dB
Audio distortion	≤5%	
Audio power output	>2W@10%	

Transmitter

	Wide mode	Narrow mode
Power Output	VHF models 60W /25W/10W, UHF models 45W /25W/10W	
Modulation	16KΦF3E	11KΦF3E
Adjacent Channel Power	≥70dB	≥60dB
Hum & Noise	≥40dB	≥36dB
Spurious Emission	≥60dB	≥60dB
Audio Response	+1~-3dB(0.3~3KHz)	+1~-3dB(0.3~2.55KHz)
Audio Distortion	≤5%	

Specifications are subject to change without notice due to advancements in NOTE technology.

※ Peripherals like an antenna, mounting hardware, coax cable etc are required for proper operation.

ATTENTION for landmobile model users:

- The utility software may be available to distributors/dealers only. USB programming cable is required. The manufacturer will not release the software to unauthorized party so please contact your dealer for details.

- This product may be blocked for operations before sales and only dealers can program the radio before delivery to consumers. Manufacturer is not aware of details of such dealer-programming therefore please kindly contact your dealer first in case technical-service may be necessary.

Authorized Dealer:

Copyright Alinco, Inc., Osaka, Japan. All rights reserved. Although Alinco has designed this brochure to be as accurate and comprehensive as possible, we reserve the right to make changes at any time to our equipment line, optional accessories, specifications, standard accessories, or availability of any such devices we manufacture and distribute. Please note that certain products and accessories may not be available in all countries of distribution therefore consult your Authorized Alinco Dealer for product availability and pricing. Colors of images herein may appear slightly different from actual products due to print.
* Projections are not included in the declared dimension values.

ALINCO, INC. Electronics Division

Yodoyabashi Dai-Bldg 13F, 4-4-9 Koraibashi,
Chuo-ku, Osaka 541-0043 Japan
Phone: 06-7636-2362 Fax: 06-6208-3802
http://www.ALINCO.com
E-mail: export@alinco.co.jp