

ALINCO

Quality. Style. Performance!

VHF MOBILE / BASE TRANSCEIVER

DR-138Mk II CE

DR-138TMk II FC

DR-138EMk II CE

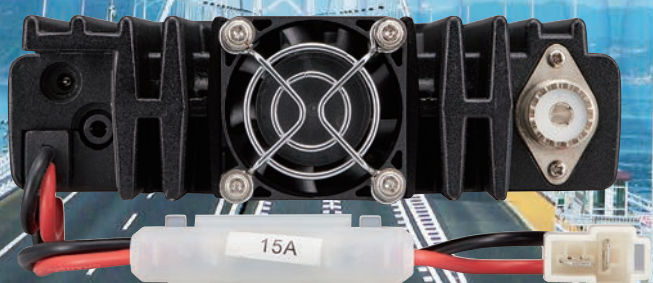


70W Max
OUTPUT!



Easy to operate, Clean design, packed with features, superb audio and...
High powered!

The DR-138MKII is a robust radio offering **70W output power** for long-range communications. It features **noise cancellation** for enhanced audio clarity, ensuring clear transmission even in noisy environments. Additionally, it comes equipped with an **air-cooling fan**, providing reliable performance during extended use and preventing overheating. This model is ideal for users requiring high power and durability in demanding situations.



*A fan promotes
operating stability



*VFO mode may not be available to
DR-138MKII land mobile due to
regulations and dealer-programming.

DR-138TMKII / DR-138EMKII requires an amateur radio operator's license. DR-138MKII Land Mobile (Commercial-use) is distributed by authorized dealers of specific regions and may not be available to all dealers due to difference of radio administrations.

DR-138MkII : CE land mobile
 DR-138TMkII : FCC amateur
 DR-138EMkII : CE amateur



FEATURES

- Output power selectable 70W/25W/10W
- PC-programmable 200ch
- Alphanumeric name tags
- A New noise reduction function that reduces surrounding noise during transmissions.
- Voice Comander enhances receiver's audio clarity
- Wide variety of selective calling features built-in; The 2-Tone, 5-Tone, 50 CTCSS, 114 DCS, 4 Tone-burst tones and DTMF/ANI decode
- Radio stun/kill/revive functions to protect your communication security
- Large, bright LCD and easy-to-operate backlit keys
- Multi-function, backlit microphone enables direct frequency entry & more from keypads
- Various scan modes, Key lock, Wide/Narrow operations and more at NO extra costs!
- Inversion Scramble (DR-138MkII Land Mobile Only)
- Airband and FM radio receiver with 20 memory channels

(TMKII/EMKII amateur radio models 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.

Options



PC Programming cable
 ERW-7
 USB port

Spare accessories

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

SPECIFICATIONS

General

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

Frequency Range	MkII TX/RX : T/EMkII RX 136-174MHz TX : TMkII 144-148MHz/ EMkII 144-146MHz RX : T/EMkII 108-136MHz AM / 76-108MHz WFM
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 $\pm 15\%$
Squelch	Carrier/CTCSS/DCS/5Tone/2Tone/DTMF
Frequency Stability	± 2.5 ppm
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)	$\leq 0.25\mu V$	$\leq 0.35\mu V$
Adjacent Channel Selectivity	≥ 70 dB	≥ 60 dB
Intermodulation	≥ 65 dB	≥ 60 dB
Spurious Rejection	≥ 70 dB	≥ 70 dB
Audio Response	+1~-3dB(0.3~3KHz)	+1~-3dB(0.3~2.55KHz)
Hum & Noise	≥ 45 dB	≥ 40 dB
Audio distortion	$\leq 5\%$	
Audio power output	$> 2W@10\%$	

Transmitter

	Wide mode	Narrow mode
Power Output	70W /25W/10W	
Modulation	16K Φ F3E	11K Φ F3E
Adjacent Channel Power	≥ 70 dB	≥ 60 dB
Hum & Noise	≥ 40 dB	≥ 36 dB
Spurious Emission	≥ 60 dB	≥ 60 dB
Audio Response	+1~-3dB(0.3~3KHz)	+1~-3dB(0.3~2.55KHz)
Audio Distortion	$\leq 5\%$	

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

※ Peripherals like an antenna, mounting hardware, coax cable etc are required for proper operation. In EU your power supply must comply with IEC/EN 60950-1 for base station.

ATTENTION DR-138MkII land mobiles

- 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.
 * FCC and CE logos in this brochure mean that these products have been approved under the business-radio category of relative conformity unless otherwise specified.



ALINCO

INCORPORATED / Electronics Division

Yodoyabashi Dai-Bldg 13F, 4-4-9 Koraibashi,
 Chuo-ku, Osaka 541-0043 Japan
 Phone: +81-6-7636-2362 Fax: +86-6-6208-3801
 http://www.ALINCO.com
 E-mail: export@alinco.co.jp

FNFNHEF-PE
 Ver.1.0.0 138TEMk2
 Printed in Japan