

ALINCO

Quality. Style. Performance!

VHF MOBILE / BASE TRANSCEIVER

DR-248



BEST VALUE - PROVEN RELIABILITY - FEATURE PACKED

ALINCO's Personal Service Mobile Radio for Multiple Applications

The DR-248 is a high technology PLL synthesized radio that delivers high performance in a small package. User-friendly configuration and programmable features make the DR-248 the radio of choice for most demanding users.



FEATURES

- Output power selectable 10W/5W/1W
- PC-programmable by dealer
- Channel, Frequency and Alphanumeric display
- Voice Comander (Reduce Noise & enhance audio clarity)
- Wide variety of selective calling features built-in; 2-Tone, 5-Tone, 50 CTCSS, 114 DCS, 4 Tone-burst tones and DTMF/ANI decode
- Large, bright LCD and easy-to-operate backlit keys
- Multi-function, backlit microphone enables direct frequency entry & more from keypads
- Various scan modes, alarm, automatic on/off, key lock, remote-control microphone and more at NO extra costs!



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 key pad

Options

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

SPECIFICATIONS

General

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

| | |
|-------------------------|--|
| Frequency Range | CH01~CH80 (245.000~245.9875MHz) |
| Number of Channels | 200 channels programmable by dealer |
| Channel Spacing | 12.5KHz (Narrow mode) |
| Current drain (approx.) | 300mA stand by / 600mA RX Max 4A TX |
| Operating Voltage | 13.8V DC ±15% |
| Squelch | Carrier / CTCSS / DCS / 5Tone / 2Tone / DTMF |
| Frequency Stability | ±2.5ppm |
| Operating Temperature | -20°C~+60°C |
| Dimensions | 142 (W) x 40 (H) x 177 (L) mm approx. |
| Weight | approx. 1.2kg |

Receiver

| | |
|------------------------------|-----------------------------------|
| System | Double conversion superheterodyne |
| Sensitivity (12dB Sinad) | 0.35µV |
| Adjacent Channel Selectivity | ≥60dB |
| Intermodulation | ≥60dB |
| Spurious Rejection | ≥70dB |
| Audio Response | +1~-3dB (0.3~2.55KHz) |
| Hum & Noise | ≥40dB |
| Intermed.Freq.(1st/2nd) | 38.85MHz / 450KHz |
| Audio power output | > 2W@10% |
| Audio Impedance | 8Ω |

Transmitter

| | |
|------------------------|-----------------------|
| Power Output | 10W / 5W / approx.1W |
| Modulation | 8K50F3E |
| Adjacent Channel Power | ≥60dB |
| Hum & Noise ratio | ≥36dB |
| Spurious Emission | ≥60dB |
| Audio Response | +1~-3dB (0.3~2.55KHz) |
| Audio Distortion | ≤5% |
| Mic.Impedance | 1kΩ |

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

- 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:

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* Projections are not included in the declared dimension values.

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