

Portable 2-Way Radio & FM Receive



Technical Datasheet

MTD90

The MTD90 with its intelligent design, stability and high performance is the ideal two-way radio with a convenient FM receiver built in. The MTD90 has 199 channels, FM radio, seven choices for back light colour, frequency space setting ctcss and dcs, battery saver, ani, dtmf with vox on/off and vox level setting. The MTD90 offers a busy channel lockout, scan with scan add and scan delete. Check and adjust the TX power level adjustment by easy hand operation, monitor, squelch level adjustment and tot function. LED display and setting for ease of use, keypad locked (manual/auto), different frequency function, emergency calling channel, offset, shift direct, channel named, memory channel settings, auto power off and wire clone for matching all units to the same settings (optional).

Features:

- 199 Channels
- VOX Hands Free
- DCS and CTCSS Indication
- FM Radio Receiver
- 5, 7 and 9 Transmitter Power Indicator
- LCD Display with 7 Backlit Colours
- 34 Menu Options
- Sold as individual units

General Specifications

Functions	Range
Frequency Range	136-174MHz, 400-470MHz
Channels	199
Channels Spacing	5/6.25/10/12.5/25KHz
Working Voltage	DC 7.4V \pm 20%
Dimensions	114 x 57 x 38mm (without antenna)
Weight	187.5g (without battery)
Accessories	Belt clip, charging unit & earpiece
Transmitter	
Output Power	1W/4W
Modulation Mode	F3E/F2D
Clutter Radiation	$\leq 7.5\mu W$
Adjacent Channel Power	65dB
Frequency Deviation	$\leq 5KHz/2.5KHz$
Audio Distortion	$\leq 5\%$
Frequency Stability	$\pm 2.5ppm$
Receiver	
Sensitivity (12Db SINAD)	0.16uV
Modulation Receiver Bandwidth	$ \pm 7KHz / \pm 3.5KHz $
Adjacent Channels Selectivity	60dB
Intermediation Squelch Response	$\geq 60dB$
SNR	$\geq 60dB$
Frequency Stability	$\geq 60dB$
Audio Output	$\pm 2.5ppm$
Distortion	500mW



LCD Display with
7 Backlit Colours



34 Menu Options



199 Channels

Optional Accessories:

- MTD90BATT: Spare Battery
- MTD90SP/MIC: Spare Mic
- MTD90CC: Cloning Cable

Contact Us

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