



# FT-7500

SHIPBORNE MEDIUM AND  
HIGH FREQUENCY (MF HF)  
DSC RADIO DEVICE



## Product Features

- ⊙ Large screen, single-key single use, intuitive display and easy operation.
- ⊙ Built-in 25 domestic shore station channels, which can freely switch user channels, ITU international channels and fishery shore station modes.
- ⊙ Daily voice calls, compatible with other ordinary shortwave radio stations, providing SSB/AM/CW/FSK/AFSK operation modes.
- ⊙ Support selective call, group call, sea call, all call and other digital selective calls.
- ⊙ Send and receive distress alarms, and automatically print the received distress messages.
- ⊙ Rolling, manual, timing, ship position report, built-in GPS module.
- ⊙ Quickly, automatically and manually perform antenna tuning.
- ⊙ Audio recognition squelch control.



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## Technical Specification

Working frequency	: Tx: 1.6-27.5MHz, Rx: 0.5-29.9999MHz
Frequency of distress	: 2182kHz,4125kHz,6215kHz, 8291kHz, 12290kHz,16420kHz
Frequency tolerance	: $\leq \pm 10\text{Hz}$
Type of launch	: J3E, H3E, F1B
Operating Voltage	: $-15^{\circ}\text{C} \sim +55^{\circ}\text{C}$
Operating temperature	: DC12V
Antenna impedance	: $50\Omega$
Transmit power	: $\leq 150\text{W}$
Carrier suppression	: J3E $\geq 40\text{dB}$ , H3E $\geq 36\text{dB}$
Microphone sensitivity	: $-9\text{dB} \sim 3\text{dB}$
Residual frequency deviation	: $\leq -40\text{dB}$
Parasitic radiation	: $\leq 0.25\mu\text{W}$
Sensitivity	: $\leq 2\mu\text{V}(\text{SINAD}=20\text{dB})$
Audio output level	: Speaker $\geq 2\text{W}$
Spurious response rejection ratio	: $\geq 60\text{dB}$
Audio intermodulation	: $\leq -25\text{dB}$
Conducted spurious emissions	: 9kHz~2GHz: $\leq 2\text{nW}$ , 2GHz~4GHz: $\leq 20\text{nW}$
Call sensitivity	: $< 0\text{dB}\mu\text{V}$
Nominal modulation rate	: $50\text{Hz} \pm 30\text{ppm}$
Residual modulation	: $\leq -26\text{dB}$

## Agent Information

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