

CODAN MRZ Strategic HF Radio System

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SPECIFICATIONS

Part No	Strategic HF Radio System - Deployable
Power Supply	100-240 VAC \pm 10%, 50/60 Hz:9-36 V DC: Lithium-Ion Battery & UPS System (Automatic)
Channels	600
Frequency Range	Transmit: 1-6-30 MHz Receive: 250 kHz-30 MHz
Frequency Stability	\pm 0.5ppm (-30C to 60C)
Receiver Sensitivity	-125 dBm (10 dB SINAD)
Intermodulation Distortion	>32 dB below PEP
Suppression	>60 dB below PEP (spurious and harmonics)
Operating Temperature	-10° C to +60° C
Receive Audio	Easitaik DSP filtered audio
Power Amplification	125/500/1000 W PEP +/-1dB
Duty Cycle	100%: Normal Speech overfull temperature range 100%: all modes up to maximum ambient 45° C
Operating mode	Single Side Band (J3E, USB, LSB, AM,H3E)
Interface	RS232, 300-19200 baud, 2/4 wire, Ethernet (OEM)
Input/Output Impedance	50 Ohm
Protection	Safe under all load conditions Bypass to 125W PEP
Spurious and harmonic emissions	Better than 60 dB below PEP
Size	33.6 L X 22.6W x 13.1 H



Weight	40lb/18 kg (50lb/23kg with Li-Ion Batteries Qty 3)
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The **Codan MRZ** series of **Tactical HF Radio Systems** is a self-contained, easily-deployed family of radio systems, used with the following equipment:

- ✓ **Codan NGT MR** series Transceiver
- ✓ CODAN voice/data accessories

Features

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- ✓ Email, Fax, GPS Tracking and Telephone Support
- ✓ 125-W RF Power Output
- ✓ Ease of use and programming
- ✓ JITC Certified MIL-STD-188-141B ALE
- ✓ FED-STD-1045 ALE/CALM
- ✓ MIL-STD-110B data (with Modem)
- ✓ Commercially transportable (Airline Hand baggage)
- ✓ Highly deployable & Lightweight Pelican Case System
- ✓ Universal & Automated AC/DC/Battery Operation Power Input - UPS Protected (Lithium-Ion)
- ✓ Full Range of Tactical and Platform Antennas and accessories
- ✓ Over The Air (OTA) control monitor capabilities
- ✓ Legacy System interoperability
- ✓ Multiple COMSEC Solutions
 - ✓ Type-1 COMSEC Interoperability
 - ✓ - KY-99
 - ✓ - KY-100

Ease of Deployment

The systems are self contained and easily configured for operation. The operator simply connects the system to power and antennas and communicates. The MRZ incorporates a unique platform capability that enables rapid installation on both static and vehicular platforms Codan's

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