

# Beast

## Dismount Multichannel Receiver



**Multi-Function:** The Beast performs survey, drive test, and surveillance of multiple push-to-talk and cellular protocols.

**Cost Effective & Future Proof:** The Beast's design utilizes the latest FPGA and processor technology to allow for rapid and efficient capability enhancements. Hardware architecture based on the Kraken multichannel manpack ensures that capability enhancements on one system are available on the other.

**Intuitive User Interface:** Spectrum and waterfall displays provide real-time display and control of the full receiver bandwidth, as well as the sub-channel demodulators, and the ability to intuitively program or load search banks, signals of interest (SOI) lists, and pass lists. The Beast can be controlled by:

#### LCD Front Panel

- Basic functionality and programming directly on the device multi-function alphanumeric keypad
- Backlit, daylight readable front panel allows for quick access to spectral and frequency information

#### Android™ Device or Windows® PC

- Advanced programming and functionality with any commercial-off-the-shelf Android device, via the Android Team Awareness Kit app (ATAK) or Windows PC connected via USB
- Operator can play, pause, and rewind (DVR) any of the SOIs within the bandwidth of the receivers (up to 16) simultaneously

For more information or to purchase, contact:

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## Versatile WB Scan

- Two channels of simultaneous receive from 500KHz to 6GHz
- Each channel supports 80 MHz instantaneous bandwidth
- Configurable for phase coherent or independent frequency operation enabling direction finding capabilities

## Rugged & Tactical

- Designed for balanced battery life, SWaP, and performance
- Meets MIL-STD environmental requirements
- Can be powered off PRC-148, PRC-152 or 2590/5590 series batteries
- USB 3.0 external data interface for high speed data connectivity

## WB Record Option

- Ability to record and play-back spectrum with optional SSD wide-band (WB) record device

## Beast

### Specifications

Number of Receivers	2
Simultaneous NB Demodulators Per Slot	8
Receive Frequency Range	500 kHz – 6 GHz
Receive Modes	WFM, NFM, SFM, WAM, AM, NAM, USB, LSB, CW, DMR, P25, NXDN, LTE*, WCDMA*, CDMA*, GSM, WiFi*, CUAS
RX Frequency Resolution	10 Hz minimum
Antenna connector	2x TNC
Impedance	50 ohms
Input Voltage	9 – 18 VDC (PRC-148/PRC-152 Battery)
Battery Life	8 – 11 hours
Operating Temperature	-30 to 55 degrees (C)
Dimensions	2.9 (W) x 9.3 (H) x 2.0 (D) (in) with battery
Weight	2.6 lbs. with battery
Chassis	Rugged Machined Metal

Part Number	Description	Includes
MD1007-0001-01	Beast, Standard	1x Beast system**
MD1007-0010-01	Kit, Beast	3x Beast systems**
MD1007-0011-01	Kit, Networked Beast	3x Beast systems*, 3x TW-400 radios

\*Indicates feature that is currently in development.

\*\*Each Beast system includes DF antenna, EUD, and associated accessories/cables.

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