

Beast+

Dismount Multi-Channel Receiver

Beast+ builds upon the widely-fielded, battle-proven Beast hardware platform with the addition of a third receive channel and transmit capabilities for a single handheld transceiver that supports detection, direction finding (DF), and attack of adversary signals of interest (SOIs). This multi-function device performs survey, drive test, and surveillance of multiple push-to-talk and cellular protocols.

CACI's engineers have expanded the capabilities of the classic Beast without sacrificing its superior size, weight, and power (SWaP). Beast+ maintains the majority of Beast's dimensions with only minimal differences in depth and weight. Accessories remain common and interoperable between both systems.



Integrated Electronic Surveillance and Attack

Three receive (Rx) channels provide targeting and DF of near-peer and frequency-hopping signals. Each channel supports simultaneous receive from 500KHz to 6GHz and 80 MHz instantaneous bandwidth.

Beast+ features an additional radio frequency (RF) channel and control interface that allows for both N-channel, DF, and electronic attack (EA) capabilities in a single device. A dedicated transmit port supports the use of any CACI power amplifier for jamming or EA capabilities.

Rugged & Tactical

Beast+ offers balanced battery life, low SWaP, and high performance in a rugged exterior designed to meet

MIL-STD-810G hardware specifications. Compatible with PRC-148/152 batteries, the transceiver also accepts 2590/5590 series batteries for extended life missions.

Intuitive User Interface

Spectrum and waterfall displays provide real-time display and control of the full receiver bandwidth and sub-channel demodulators and the ability to intuitively program or load search banks, SOI lists, and pass lists. Beast+ can be controlled in any one of three ways:

1. Handheld Integrated LCD Front Panel:

- Basic functionality and programming directly on the device's multi-function alphanumeric keypad
- Backlit, daylight readable front panel allows for quick access to system and network statuses

For more information or to purchase, contact:

spectrum-solutions@caci.com

For more information about our expertise and technology, visit: www.caci.com

2. **Diablo Application on Android™ End-User Device**

- Intuitively designed user interface that supports system status and provides easy visual access to features, live spectrum waterfall views, and lines-of-bearing
- Integrated with the Android Team Awareness Kit app (ATAK) via CACI's Reaper plug-in

3. **Ice Bucket Application for Windows® PC**

- Advanced programming and functionality
- Live spectrum and waterfall, log capture, drive test, and surveillance features presented in an easily navigable interface
- Operator can play, pause, and rewind (DVR) any of the SOIs within the bandwidth of the receivers (up to 16) simultaneously

Future Proof

CACI continually invests in additional Beast+ capabilities and enhancements. Integrating customer feedback and technological advancements, Beast+ adapts as your mission requirements change.

Modular Components & Mission-Adaptive Systems

Together with CACI's dedicated Wideband DF antenna and external power amplifier, Beast+ heads up a full hardware system solution that supports the entire frequency range and SOIs, while still weighing under a cumulative 15.5 lbs.

Wideband Multiband DF Head



The Wideband Multiband DF Head expands DF capabilities for the CACI family of tactical SIGINT products with frequency coverage from 30MHz to 6GHz. Three RF inputs enable simultaneous intercept and DF of near-peer fast frequency hopping signals. The unit also supports two, three, or four-channel phase interferometry and vector methods and features an integrated blanking switch for interference mitigation.

- 22"H x 3.5"D
- 3 lbs (without cabling)

Dismount Wideband Power Amplifier



CACI's Wideband Power Amplifier is the ideal low SWaP, battery-powered solution for dismount operations. Covering a 30MHz to 6GHz frequency range, it features both N and TNC outputs for use with multiple antenna options. Its rugged design is fully protected against load mismatch (voltage standing wave ratio or VSWR) and is proven to withstand extreme thermal conditions.

- 2.1"W x 4.4"H x 5.55"D
- <4 lbs (without battery)

Beast+

Specifications

Number of Receivers	3
Simultaneous Demodulators	16
Receive Frequency Range	500 kHz – 6 GHz
Receive Modes	WFM, NFM, SFM, WAM, AM, NAM, USB, LSB, CW, DMR, P25, NXDN, TET-RA, CUAS, Near-peer waveforms
RX Frequency Resolution	10 Hz minimum
Transmit	TX capable w/option for external PA (RF & Control)
Antenna Connector	3x TNC (RF1, RF2, & RF3), 1x SMA (RF Out)
Impedance	50 ohms
Input Voltage	9-18 VDC (AN/PRC-148/-152 Battery)
Battery Life	~ 8 hours
Operating Temperature	-30 to 55 degrees (C)
Dimensions	2.9" (W) x 9.3" (H) x ~3.2" (D)
Weight	< 4.0 lbs w/battery
Environmental	Designed to meet MIL-STD-810G

Part Number	Description	Includes
MD1007-0301-01	Beast+, Standard Ground Kit	Beast+, Wideband DF antenna, Android EUD, and associated accessories/cables
MD1007-0302-01	Beast+ Standard Ground Kit with WB Amplifier	Beast+, Wideband DF antenna, Wideband Power Amplifier Kit, Android EUD, and associated accessories/cables

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EXPERTISE and TECHNOLOGY
for National Security

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Worldwide Headquarters
12021 Sunset Hills Road, Reston, VA 20190
703-841-7800

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caci.com

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