

PRODUCT SHEET

The FoxHound is a portable, weather resistant, inertially stabilized antenna tracker that is used for mobile or stationary long-range tracking and communications with Unmanned Systems. The positioner can dramatically reduce current Ground Data Terminal/GCS footprint size by consolidating multiple pieces of equipment into a single piece of equipment that requires no tools to assemble. The FoxHound supports mounting RF payloads, FMV cameras, SIGINT equipment, etc. on the PTU head making this a truly agnostic search and track platform with well thought cable management to allow continuous 360-degree functionality.

The platform has an integrated Inertial Navigation System that compensates for dynamic conditions imposed during mobile operations on land, or at sea. The system contains two hot-swappable DC power inputs and an internal battery with an 8-hour runtime, allowing for continuous operation regardless of the power source. All internal circuitry is designed and produced by Foxtrot Research with the highest quality materials and craftsmanship.



FEATURES:

- **Platform agnostic. Antenna agnostic. Radio Agnostic.**
- **Advanced Power Options**
Each power input supports an AC/DC power adapter and a BB-2590 battery, plus other power sources through a custom adapter cable. The internal BB-2590 battery is recharged automatically when external power is provided. Each BB-2590 battery provides approximately 8 hours of runtime.
- **Best in Class Setup and Startup**
From the box to power on in less than one minute; 30 second startup to target fix with GPS; 4-minute startup to high-fidelity target fix; includes autocalibration with integrated INS supporting GNSS-based localization and true heading.
- **Designed for the Operator**
Incorporates user feedback from NSW training and testing events for Group 2 UAS in both maritime and land-based environments.
- **Purpose Built Web-based User Interface**
The positioner UI is built for Operator convenience, workload sharing, and real-time alerts and status notifications. Additional customization is available by Foxtrot Research, based on customer requirements.
- **Advanced Technology, Fully Upgradeable**
Current configuration supports advanced network architectures. Auxiliary device interface enables easy integration of additional capabilities, such as a SATCOM terminal for data exfil.

SPECIFICATIONS:

- **External Power Input**
- Two hot-swappable 10 - 34 VDC inputs with autonomous failover
- **Internal Battery Backup**
- User-replaceable internal BB-2590 battery provides approximately 8 hours of runtime
- **Internal Managed Ethernet Switch**
- Three ports on base of unit and one additional port to radio/payload on PTU head
- **Radio/Payload Interface**
- 100 Mbps Ethernet, RS232 Serial, 10 - 48 VDC adjustable, 3 A 100 W output
- **Auxiliary Device Support**
- 100 Mbps Ethernet, RS232 Serial, 10 - 48 VDC adjustable, 3 A 100 W output
- **Pan/Tilt Limits**
- 360 deg continuous pan, -8 to 90 deg tilt
- **Wind/Shock Limitations**
- 60 mph wind load / 5G shock
- **Size and Power Requirements**
- 15" x 16.5" x 19.5" (INS stowed), 26.5" x 16.5" x 19.5" (INS deployed). 44 Watts typical
- **Weight**
- 43 lbs

REV: 06/28/2023

