

TRX DAPS II

Dismounted Assured PNT



KEY CAPABILITIES

The TRX Dismounted Assured Position, Navigation, and Timing (PNT) System – TRX DAPS II – delivers assured PNT to warfighters operating in GPS-denied environments.



**M-Code Based
Assured PNT**



**Modular
Architecture**



**Robust Integrity
Algorithms**



**DAGR Backward
Compatibility**



**Navigation
Assurance**



**Flexible Deployment
Configurations**



**Hot-Swappable
Battery (STUB)**



**Low-SWaP
Package**

The **TRX Systems™ DAPS II** is a next generation navigational system that allows dismounted soldiers to better target, maneuver, and communicate in GPS-degraded or denied operational environments.

Assured PNT

TRX DAPS II provides warfighters and their combat systems with a continuous stream of assured PNT information by fusing inputs from a diverse range of PNT sources including:

- M-Code GPS
- Integrated inertial sensors
- Complementary PNT sources

By continuously cross-checking data from these and other inputs, TRX DAPS II monitors PNT source integrity, eliminates compromised sources, and delivers assured position and time to the warfighter.

Low-SWaP Design

TRX DAPS II is a lightweight, handheld device that balances the highest possible level of integrated PNT capabilities with the lowest size, weight, and power consumption (SWaP) that can be fielded for dismounted warfighters.

DAGR Backward Compatible

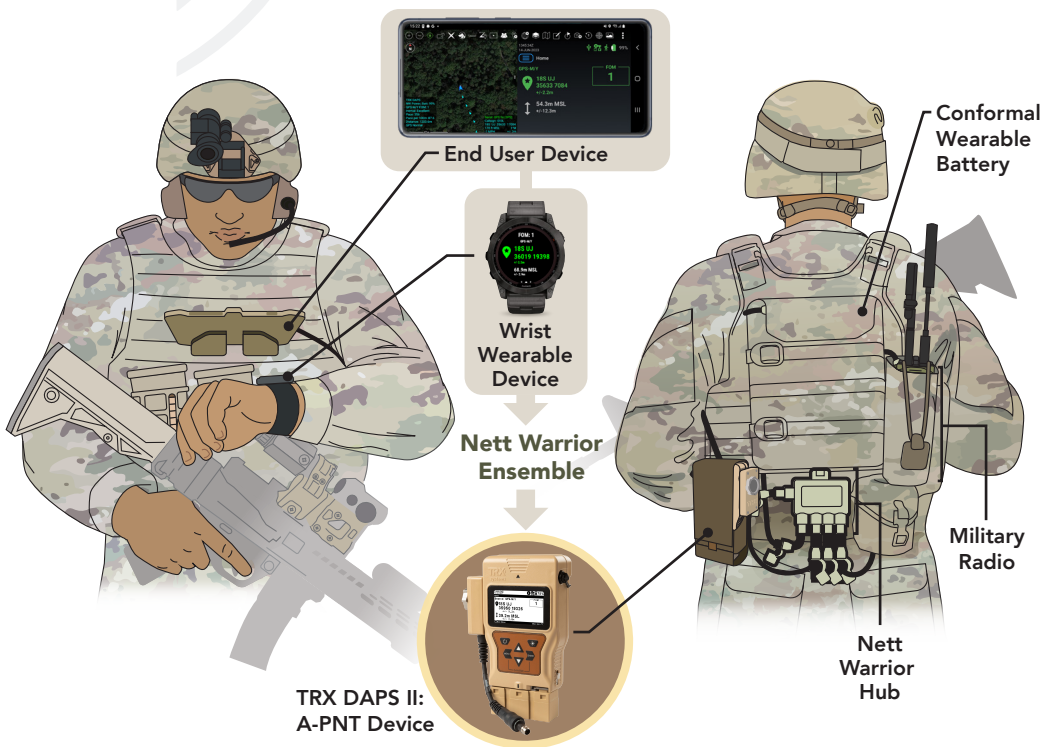
Developed to replace the Defense Advanced Global Positioning System (GPS) Receiver (DAGR), the TRX DAPS II solution includes DAGR-compatible cabling options that enable it to plug-and-play with deployed combat systems.

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Integration with Nett Warrior

TRX DAPS II is designed for operation with the Nett Warrior (NW) ensemble, delivering Assured PNT to the NW End User Device (EUD) through the NW Integrated Soldier Power and Data System (ISPDS) hub. Depending on the tactical situation, warfighters can access PNT data through the DAPS II on-board screen interface, the soldier's ATAK interface, or the integrated UI on the Wrist Wearable Device (WWD).



DAPS II Specifications

Dimensions

HxWxD 7.0 x 3.6 x 1.7 inches
17.8 x 9.1 x 4.3 cm
Weight 18 ounces (510 grams)

Physical Interfaces

- Rapid Mate Connector – supports multiple cable and connectivity options
- SMA Connector – provides connection to 3rd party external antenna

Power

- Powered via hot-swappable STUB and/or external USB power source

Military Ratings

- MIL-STD-810G – Compliant
- IP67 Rating
- CBRNE / HEMP Resilient

DAPS II - Cabling and Accessories

The TRX DAPS II solution includes cabling options for integrating with soldier systems and seamlessly migrating into existing DAGR deployments. Through the DAPS II Rapid Mate connection, these cables expose various combinations of interfaces and protocols for support of specific DAPS II use cases and integration requirements.

Integrated Side Connector

Connect to Nett Warrior and Bluetooth devices

- Rapid Mate connector
- NW (USB) connector (6 pin)
- Bluetooth 5.1 Low Energy (BLE)



Programming Cable

Supports keyfill, hot start, and programming functions

- Rapid Mate connector
- DAGR J2 compatible DE-15
- DS-101 keyfill (6-pin audio)



TRX DAPS II Part Numbers

TRX DAPS II Kit	TRX-DAPS-23D
DAPS II Kit w/o WWD	TRX-DAPS-23E-1
DAPS II Device	TRX-DAPS-0100
STUB Battery	TRX-DAPS-0101
Programming cable	TRX-DAPS-0102
Wrist Wearable Device	TRX-DAPS-0103
ISC Cable	TRX-DAPS-0104
DAPS II Molle Pouch	TRX-DAPS-0105



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