WAVE RELAY® PLUGIN

FOR ATAK ON MPU5

What is ATAK?

The Android™ Team Awareness Kit (ATAK) is a powerful situational awareness application used by military and law enforcement personnel. It provides real-time mapping, video feeds, and data sharing to enhance operational coordination. ATAK runs natively on the MPU5, with users interacting through the Rugged Display and Controller for a fully integrated experience.

What is the Wave Relay® Plugin?

The Wave Relay® Plugin for ATAK is an add-on that enhances ATAK's performance on the Wave Relay® MANET. It unlocks additional capabilities tailored for the network and automates ATAK's configuration, making setup faster and easier. The plugin is strongly recommended for users operating on the Wave Relay® MANET to maximize system performance and functionality.

Download the Wave Relay® Plugin

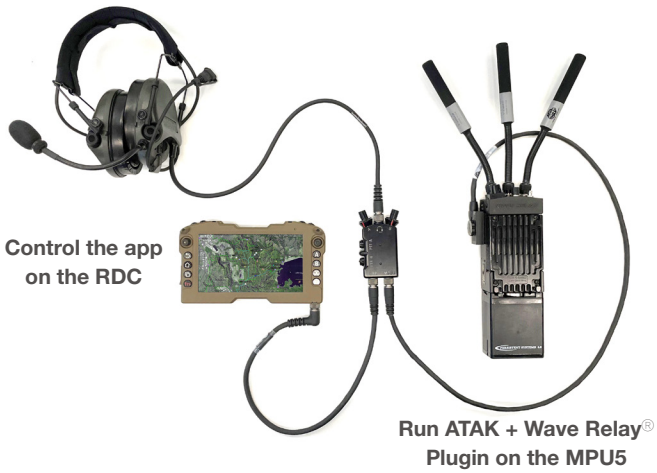
- The Wave Relay® Plugin for ATAK can be downloaded at: **tak.gov/plugins/wave-relay**
- For setup instructions, refer to the Quick Start Guide available on the Persistent Systems Tech Support Portal: **techsupport.persistentsystems.com/s/**

Optimized Situational Awareness for the MPU5 and Wave Relay® MANET

Benefits

- Enhanced video performance for faster, clearer situational updates.
- Simplified interface to reduce operator workload.
- Complete, real-time view of the Wave Relay® MANET.

Solutions



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Features

Improved Video Functionality

Hardware-Accelerated Video Decoding on the MPU5

The Wave Relay® Plugin enables ATAK to utilize the MPU5's hardware-accelerated video decoding, delivering higher-quality video and better performance during live video streaming.

PTZ Camera Control

Gain full control of Pan-Tilt-Zoom (PTZ) cameras directly within ATAK for more dynamic and responsive surveillance.

Full MANET Picture

Automatic Multicast Listener

Wave Relay® nodes automatically appear on the ATAK map—no manual configuration needed.

CoT Redirect

Eliminates duplicate map markers by consolidating Cursor-on-Target (CoT) data from EUDs connected to MPU5s.

PT^5 Wi-Fi Network Support

EUDs connected via a PT^5 Wi-Fi access point appear as individual entities on the ATAK map, enhancing team visibility.

Reduced Cognitive Load

Version Compatibility Warnings

The plugin alerts users if their ATAK version is incompatible or may underperform on the MPU5, helping ensure optimal functionality.

Virtual LED

When operating in LED blackout mode or when the MPU5 is out of sight (e.g., mounted on your back), the Virtual LED feature displays device status directly on the Rugged Display and Controller (RDC).

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