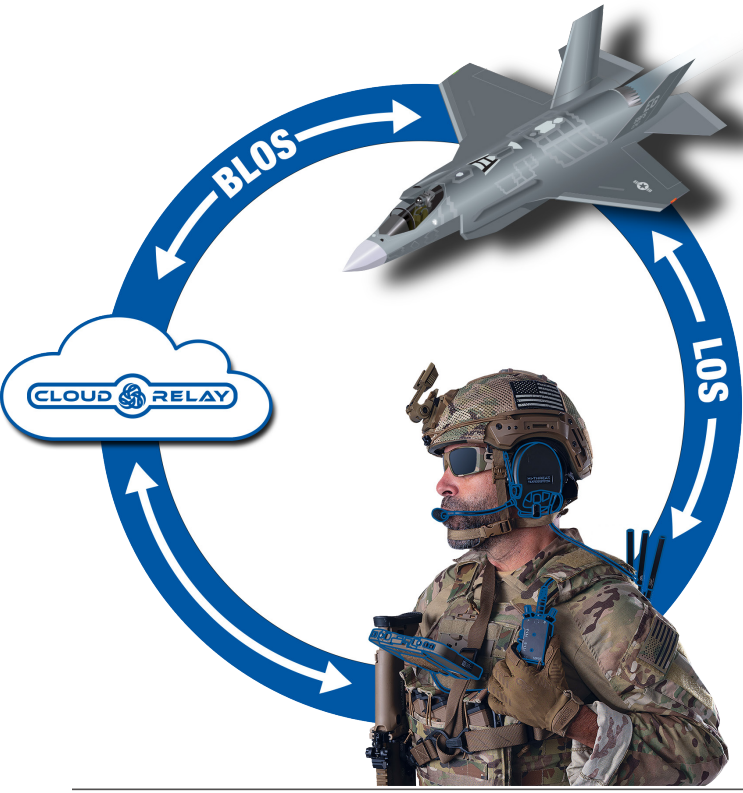


CLOUD RELAY

EXTENDS THE WAVE RELAY MANET OVER THE INTERNET

Cloud Relay is a multi-transport technology that delivers a combination of Mobile Ad-hoc Networking (MANET) and Internet capabilities for teams operating in diverse environments.

Cloud Relay routes data either via the efficiency of the MANET or the reliability and universality of the Internet and automatically picks between the two as necessary.



Cloud Relay upgrades users' ability to communicate and coordinate during dynamic operations, improving mobility and reliability while maintaining situational awareness. Nodes communicate via RF & the MANET when line-of-sight (LOS). When nodes move out of RF range, or Beyond Line-of-Sight (BLOS), Cloud Relay keeps them connected and communicating via the Internet or an IP transport technology. Cloud Relay can use Internet, SATCOM, 4G/LTE, or 5G, and can accommodate any type of IP data (audio, video, PLI, TCP, UDP, etc.). Adding more types of transport to the network improves the global fabric of Cloud Relay connectivity, and joining the fabric is as easy as plugging in.

NO NDA REQUIRED

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Users can stay connected anywhere & everywhere without reconfiguring their MPU5. This power comes from Cloud Relay's support for multiple simultaneous gateways in the network. Users can maintain comms while moving around the networked area, even as their Internet gateway (or transport technology) changes – without reconfiguring. Support for multiple gateways also enables:

- **Maximum Throughput** – user data flows to the closest, highest-performing Internet connection. Cloud Relay detects changes in network topology when a gateway fails, disconnects, or drives out of range and instantly adjusts to maintain connectivity without reconfiguration.
- **High Availability** – All Cloud Relay gateways are active all the time.
- **Automated Reliability** – If an Internet connection or gateway fails, traffic automatically routes to the best active gateway.

Cloud Relay requires a hub router to interconnect end-users anywhere in the world in real-time. Users can save time and space by using a Cloud Services Router hosted on Amazon Web Services (AWS) or Microsoft Azure. Establishing a hub in the Cloud close to your area of operation allows for rapid and flexible Cloud Relay deployment as well as lower latency. You can deploy a hub in any public cloud availability zone or, if you have access, a secure government availability zone. Users who require physical custody of their hub can still use a physical hub router within their facility.

Cloud Relay technology is built into all Wave Relay devices – MPU5, Embedded Module, GVR5, and Integrated Antenna. It is a firmware-based capability that works seamlessly with devices that can connect to the internet, such as cellular phones, 4G/LTE & 5G hotspots, standard Internet connections, or SATCOM terminals.

Reach out to your Persistent representative to get Cloud Relay up and running on your Wave Relay MANET.

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