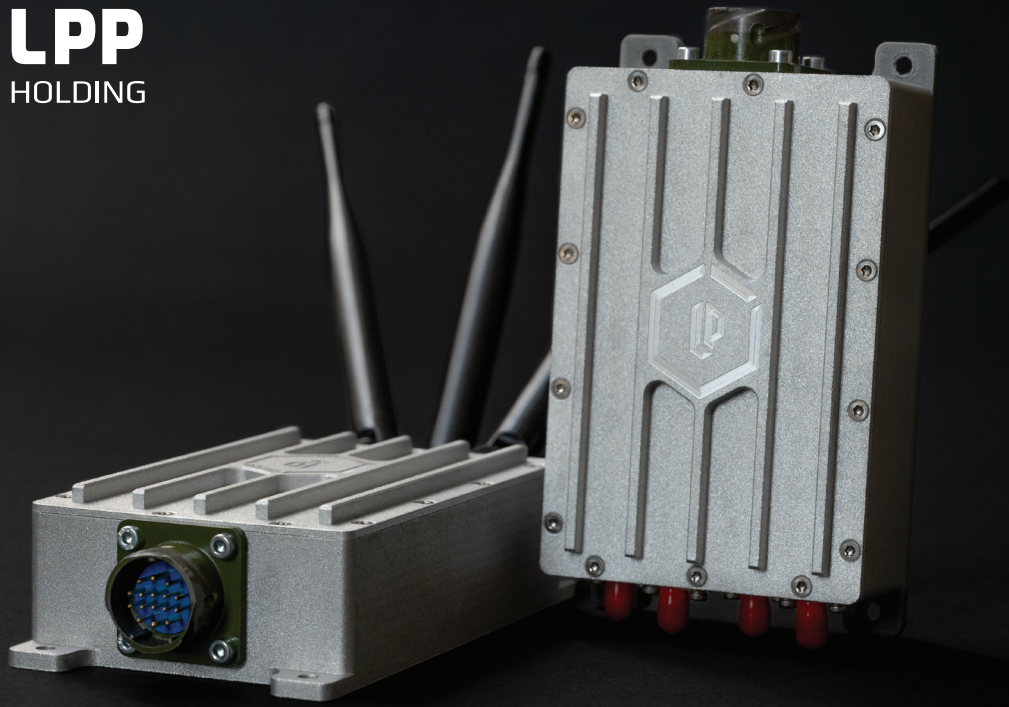




LPP
HOLDING



UAV COMMUNICATION SYSTEM

JAMMING-RESISTANT MESH NETWORK

RADIO

Our UAV Communication System provides a secure radio link between unmanned aircraft and ground control. Airborne radios send telemetry while ground units deliver mission updates for human-in-the-loop control. A decentralized mesh network discovers nodes, heals lost links, and relays data to extend coverage. Frequency hopping, multiband transmission, and encryption ensure protection against jamming and data compromise.

MAIN FEATURES

- + Multiband radio system for transmission of UAV control commands with AES 256-bit encryption
- + Hardened against jamming with Sub GHz and S-band frequency hopping
- + Fully decentralised mesh network with self-healing when nodes are lost and new node auto-connect
- + Supports communication with multiple UAVs at the same time with group retransmission
- + Enables transmission of human-in-the-loop commands to UAVs, including target changes and mission withdrawal

