Communications

The AV communicates with the GCS by radio via the uplink and downlink channels. The AV responds to commands sent through the GCS, either from the flight control box or the flight software user interface.

GPS is located on the tail rotor boom. It is the primary method of autonomous navigation.

The primary Command and Control (C2) frequency range is unlicensed 900 MHz ISM Band. Transmit and receive are located on the UA, with a single antenna mounted on the tail boom.

The AV also has a secondary (C2) link that utilizes a JR hobby 2.4 GHz transmitter and receiver system for alternate C2 for manual or autopilot assisted control through the JR console.