



remos



# TURNKEY GROUND STATION

The Expedite Turnkey ground station presents an encompassing solution that integrates the Expedite modem with a curated array of antennas.

This comprehensive package simplifies the setup procedure, offering satellite operators a seamless and integrated resolution.

**Can be operated remotely through Expedite's interfaces, including:**

✓ TCP/IP

✓ REST API

## COMPONENTS

### Expedite Transceiver

An advanced transceiver optimized for satellite ground operations, excelling in burst-mode communications. The modem integrates with ground networks and supports various rotor solutions.

### Expedite Sequencer

The Expedite Sequencer is a high-tech system for optimizing satellite signal transmission, featuring an embedded computer with Ethernet, digital I/Os, RF switches, amplifiers, sensors, and an LCD screen for real-time monitoring, allowing seamless integration, remote control, and automated management via the Expedite Transceiver.

### Antennas

Provided in a range of configurations, including UHF, VHF, and S/L-bands. It comes equipped with an indoor power supply and rotor control, complemented by an outdoor rotor for enhanced functionality.





# TURNKEY GROUND STATION SPECIFICATIONS

## ANTENNA

<b>Band</b>	UHF	VHF	S/L - Band
<b>Frequency (MHz)</b>	399 - 403, 435 - 438	137 - 146	220 - 2290, 2400 - 2450, 1518 - 1559
<b>Mode</b>	Rx/Tx	Rx/Tx	Rx Only
<b>Gain</b>	17	14	24.2, 29
<b>Polarization</b>	Cross	Cross	RHCP & LHCP
<b>Transmission Power</b>	UHF (up to 1000 watts)	VHF (up to 1000 watts)	S-band (Up to 100 Watts)

## COMMUNICATIONS

<b>Frequency Bands</b>	70 MHz to 6 GHz
<b>Symbol Rate</b>	100 baud to 1 Mbaud
<b>Modulations</b>	BPSK, QPSK, FSK, GFSK, GMSK, AFSK, ASK
<b>Doppler Correction</b>	Automatic or External
<b>Line Codes</b>	NRZ-L/M/S and BP (Manchester) - L/M/S
<b>Scrambler</b>	Multiplicative (G3RUH), Additive (CCSDS)
<b>FEC Codes</b>	CCSDS Convolutional, Reed-Solomon, Concatenated, LDPC C2, PLOP-1
<b>Packet formats</b>	AX25, HDLC, CADU, all GomSpace and SRS-3 modes