



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.

Indoor Electronic Enclosure

A diverse array of components, encompassing power suppliers, high-power amplifiers, a sequencer & various essential elements.

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

BOOK A DEMO

Aurorum 1C,
977 75 Luleå, Sweden



info@remospace.com
www.remospace.com



TURNKEY GROUND STATION SPECIFICATIONS

ANTENNA

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

COMMUNICATIONS

Frequency Bands	40MHz to 2.5GHz
Data Rate	Up to 1 Mbps
Modulations	BPSK, GFSK, GMSK, AFSK, FSK, QPSK, ASK
Doppler Correction	Automatic or External
Line Codes	NRZ-L/M/S and BP (Manchester) - L/M/S
Scrambler	Multiplicative (G3RUH), Additive (CCSDS)
FEC Codes	CCSDS Convolutional, Reed-Solomon, Concatenated, LDPC C2, PLOP-1
Packet formats	HDLC, AX.25, 4 Universal Attached Sync Maker including CCSDS and GomSpace Mode 5, NOAA-APT