

JOURNEY MANPACK

The Journey Manpack is the latest in Norsat's series of ultra-portable satellite terminals designed for military and commercial applications. The Journey Manpack is the highest performance "one case" solution in the industry. With IATA compliant packaging and tool-free assembly, the Journey Manpack offers a 0.9m aperture size and provides:

- Rugged and lightweight pedestal design
- Lightweight and durable carbon fiber reflector
- Fast, simple, tool-free deployment
- 1-case packing solution
- Wide range of Norsat BUC and LNB configurations

Ultra-Portable

Single Backpack
Airline Checkable
Light Weight

Easy

Quick Assembly
No Tools Required Minimal
Training Required

Intelligent

Assisted-Acquire
Optional 4/6 Cell Battery Pack Optional
LinkControl Pointing Tools



PORTABLE AND RELIABLE

The Journey Manpack is a highly integrated complete solution including a compact, segmented antenna system, BUC, LNB, optional modem, comprehensive alignment tools, and a single backpack.

The Journey Manpack weighs less than 18 kg (40pounds) and is ideal for military Special Forces and government applications that require maximum portability.

INTELLIGENT

The Journey Manpack is optionally equipped with Norsat's Satellite Acquisition Assistant (SAA) that provides everything necessary to easily point, peak, and acquire a satellite. Tools included in the SAA package include:

- Spectrum analyzer
- GPS
- Inclinator
- Compass
- Narrow Band Power Meter
- DVB/S2 receiver
- LinkControl software

TOUGH

The Journey Manpack is MIL-STD-810G compliant and has been built to operate in harsh and hostile environments. All of Norsat's portable satellite terminals are designed for durability and to withstand tough military applications.

SYSTEM / KU BAND

G/T (Midband, 20°)	17.3 dB/K
Antenna	0.9m Carbon Fiber, Six segments, Parabolic Single Offset
Tripod	Elevation/Azimuth
Antenna Travel	
Azimuth	+/- 180°
Elevation	10 - 90°
Polarization	+/- 90°
Optional Pointing Tools	

ANTENNA

Frequency	10.70 - 12.75 GHz
Midband Gain	39 dBi
Axial Ratio	-
Cross-Pol Isolation	<33 dB on axis

TRANSMIT

Output Frequency	13.75 - 14.5 GHz
Reference	10 MHz
Reference Level	0 +/- 5 dBm
Gain (typical)	75 dB
Spectral Regrowth	-26dBc @ 46 dBm

PACKAGING

Ku-Band System Weight	<14 kg
Backpack	< 4 kg

ENVIRONMENTAL

Operating Temp	-40 to +55 °C
Humidity	100%
Wind Load	36 km/h (free-standing) 65 km/h (anchored)

OPTIONS

Battery pack (4+ hours runtime)
SAA Satellite Acquisition Assistant Pointing Tools
& Link Control Software Ruggedized iDirect e800
Outdoor Modem Unit (OMU-800)

