



### 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:

- Unmatched durability
- Maximum portability
- HD video and IP transmission
- 4+ hours continuous runtime with battery pack



### 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 (40 pounds) 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.

### Ultra-Portable

- Single Backpack
- Airline Checkable
- Light Weight

### Intelligent

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

### Easy

- Quick Assembly
- No Tools Required
- Minimal Training Required

# JOURNEY MANPACK

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	Rx	Tx
Frequency	10.70 - 12.75 GHz	13.75 - 14.5 GHz
Midband Gain	39 dBi	40 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)	



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