

EXPLORER 5075 GX

0.75m, Auto-Acquire, Fly-Away Antenna System for Inmarsat Global Xpress®

System Features

- Easy to set up and use
- 4-Piece Carbon Reflector
- 0.75 m Axis-Symmetric Reflector
- IPX5-compliant Baseband Packaging
- WLAN Access Point and LAN interface
- LCD Display and Web-Based User Interface
- 2 Case Solution, Airline Checkable



EXPLORER 5075GX

This Cobham EXPLORER auto-acquire fly-away system is lightweight, rugged and portable. The terminal includes a fully integrated iDirect Core Module, and is configured specifically for operation on the Inmarsat Global Xpress® (GX) ka-band network. Its user friendly design allows operators with little satellite experience to access GX services within minutes.

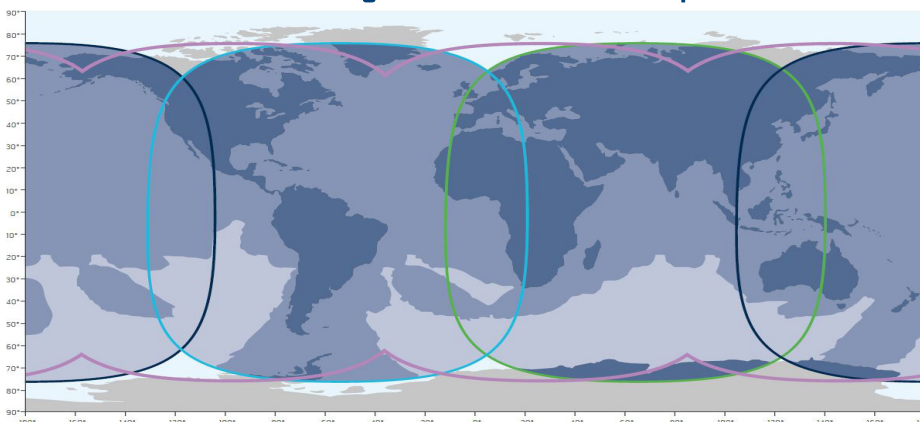
Online with the push of a button

EXPLORER 5075GX features an auto-acquire system that ensures connectivity to GX services with the push of a button. It's that simple. No pointing is needed with EXPLORER 5075GX, it automatically finds the satellite in the matter of minutes, providing quick access even in remote locations.

Reliable EXPLORER

EXPLORER 5075GX is developed completely in-house by Cobham SATCOM. It features genuine EXPLORER design, which is already established and proven with Cobham SATCOM's highly regarded EXPLORER BGAN and VSAT terminals. Its unique design and system versatility ensures high-quality connectivity, which means you can count on EXPLORER 5075GX to provide you with vital communication whatever the conditions.

Global coverage with Inmarsat Global Xpress®



Subject to change without further notice.

Cobham SATCOM is an official launch partner for the new Inmarsat Global Xpress® Ka-band network. Inmarsat Global Xpress is the first high-speed broadband network to span the world. Regardless of the application, our suite of EXPLORER GX terminals will provide the reliability and functionality required to fast and effectively connect users to the Global Xpress® network.

EXPLORER 5075GX

COBHAM

0.75m, Auto-Acquire Fly-Away Antenna System for Inmarsat Global Xpress®

Reflector	
Size	0.75 m
Optics	Axis-Symmetric
Construction	4-piece segmented

Mechanical	
Axis Drive System	2-Axis Positioner
Mount Geometry	Elevation over Azimuth
Travel	
- Azimuth	180° or ± 90° from stow
- Elevation	position 0° to 90°

Weights & Measures (approximate)	
Terminal	28.6 kg (63 lbs)
Packaging (2 cases)	Airline checkable
Base unit case (L/W/D)	57.1 / 536 / 289 mm 22.5 / 21.1 / 11.4 inches
Weight	31.1 kg / 68.5 lbs
Reflector + feed case (L/W/D)	57.1 / 536 / 289 mm 22.5 / 21.1 / 11.4 inches
Weight	20.2 kg / 44.5 lbs

Power Requirement	
90 - 260 VAC	
150W (max)	

User Interface	
Embedded web server for configuration, control and management using external PC.	

Product number	
407166A-00500	EXPLORER 5075GX

Assembly Time	
	Approximately 10 Minutes (typical)



Antenna Characteristics		
Feed		2 Port Circular
Frequency (GHz)	Rx	19.2 - 20.2
	Tx	29 - 30
Gain (dBi ± 0.2)	Rx	41.0
	Tx	44.5
Axial Ratio (AR) (dB) w	Rx	≤1.5
	Tx	≤1.0
Polarization	Rx	LHCP
	Tx	RHCP
G/T - Comm @ 30° EL, Midband (dB/°K)		17.3
EIRP @ Midband (dBW)		51.5
BUC power (P linear) (Watts)		5

Environmental		
Wind Speed	- Operational	48 km/h (30 mph) gusts up to 72 km/h (45 mph) (anchored)
Temperature	- Operational	-25° to +55°C (-13° to +131°F)
	- Survival	-40° to +80°C (-40° to +176°F)
Rain		<100 mm/hr
Humidity		0 to 100% (condensing)



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