

# EXPLORER 5075GX

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

**COBHAM**

October 2018 Product Sheet

The most important thing we build is trust



## 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.

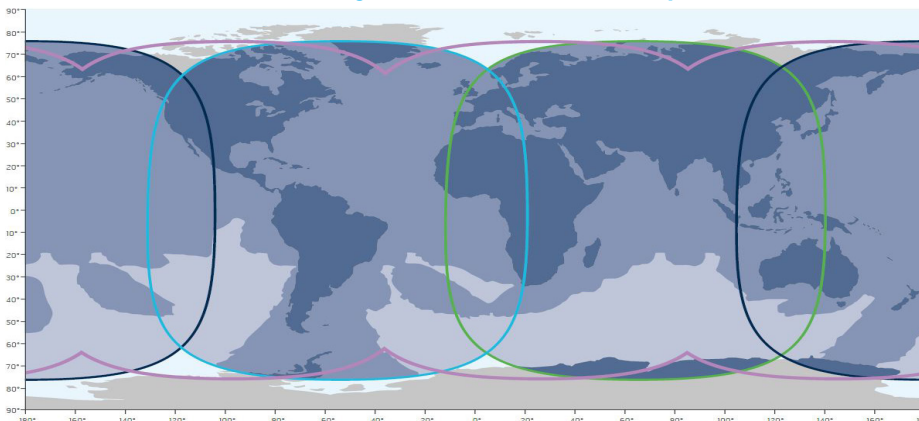
## Reliable EXPLORER

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.

## 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

## Global coverage with Inmarsat Global Xpress®



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

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



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)

Assembly Time	Approximately 10 Minutes (typical)
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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 - Elevation
	180° or ± 90° from stow position 0° to 90°

Weights & Measures (approximate)	
Terminal	26.7 kg (59 lbs)
Packaging (2 cases)	Airline checkable
Base unit case (L/W/D)	63.2 / 60.2 / 33.3 cm 24.9 / 23.7 / 13.1 inches
Weight	30 kg / 68.5 lbs
Reflector + feed case (L/W/D)	63.2 / 60.2 / 33.3 cm 24.9 / 23.7 / 13.1 inches
Weight	20.4 kg / 44.5 lbs

Power Requirement
48 VDC nominal, 44-52 VDC 4A (max) Supplied with 320W AC/DC converter

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

Product number
407166A-00500      EXPLORER 5075GX



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