

EXPLORER 6075LX

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

COBHAM

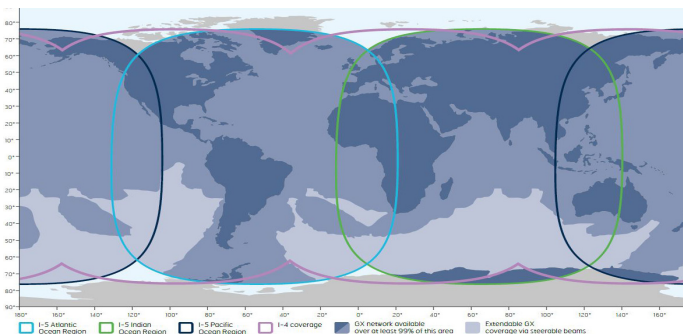
DRAFT Product Sheet



System Features

- Easy to set up and use
- Fast deployable
- Dynamic Pointing Correction technology
- 0.75m 4-Piece Carbon Reflector
- Replaceable Ka-Band Feed Horn
- IP65 rated
- WLAN Access Point and LAN interface
- LCD Display and Web-based User Interface for Easy PC and Smartphone Configuration
- 2 Case Solution, Airline Checkable (<23 kg)

Inmarsat Global Xpress® coverage



Introducing EXPLORER 6075LX

This Cobham EXPLORER stabilized 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® ka-band network. Its user friendly design allows operators with little satellite experience to access the Inmarsat Land Xpress (LX) services within minutes.

Online with the push of a button

EXPLORER 6075LX features an auto-acquire system that ensures connectivity to LX services with the push of a button. It's that simple. No pointing is needed with EXPLORER 6075LX - it automatically finds the satellite in the matter of minutes, providing quick access and broadband connectivity, even in remote locations.

Dynamic Pointing Correction

EXPLORER 6075LX is the first ever Fly-Away to feature Cobham's unique Dynamic Pointing Correction technology, which provides you with uninterrupted connectivity. In the field, Dynamic Pointing Correction ensures that the antenna stays locked on to the satellite, even in strong wind or if moved. Proven on land with the EXPLORER 8000 Series, our Dynamic Pointing Correction sets the EXPLORER 6075LX apart from other Fly-Away antennas.

Reliable EXPLORER

EXPLORER 6075LX is developed completely in-house by Cobham SATCOM. It features genuine and robust EXPLORER design, which is already established and proven with Cobham SATCOM's highly regarded EXPLORER L-Band and VSAT terminals.

Global coverage

Inmarsat Global Xpress® is a speed Ka-band network spanning the world. Regardless of the application, our suite of EXPLORER LX terminals will provide the reliability and functionality required to fast and effectively connect users to the Global Xpress® network.



Subject to change without further notice.

Related Products: EXPLORER 6100 Ku, EXPLORER 3075GX

www.cobham.com/satcom

EXPLORER 6075LX

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

COBHAM

Antenna Characteristics

Feed		2 Port Circular
Frequency (GHz)	Rx	19.2 - 20.2
	Tx	29 - 30
Gain (dBi ± 0.2)	Rx	41.5
	Tx	45
Axial Ratio (AR) (dB) w	Rx	≤ 1.5
	Tx	≤ 1.0
Polarization	Rx	LHCP
	Tx	RHCP
G/T - Comm @ 30° EL, Midband (dB/K)		18.7
EIRP @ Midband (dBW)		52
BUC power (P linear) (Watts)		5

Environmental

Wind Speed	- Operational	60 km/h / 37 mph (anchored)
	- Survival	160 km/h / 100 mph (anchored) (ETSI EN 301 360)
Temperature	- Operational	-33° to +55°C (-27.4° to +131°F)
	- Survival	-40° to +80°C (-40° to +176°F)
Water & Dust	IP 65 rated	
Humidity	0 to 100% (condensing)	

Assembly Time

Approximately 5 Minutes



Reflector

Size	0.75 m
Optics	Axis-Symmetric
Construction	4-Piece Segmented Carbon Fiber

Mechanical

Axis Drive System	2-Axis Positioner
Mount Geometry	Elevation over Azimuth
Travel	
- Azimuth	± 95° from stow position
- Elevation	0° to 88°

Electrical

RF	Rx	Type N to Type TNC (50-Ohm)
	Tx	Type N (50-Ohm)

Weights & Measures (approximate)

Terminal	23 kg / 50.7 lbs
Packaging (2 cases) (L/W/D)	Peli 1637 Air Case, airline checkable 59.5 / 44.6 / 33.7 cm 23.4 / 17.6 / 13.3 inches
Weight	
- Base unit case	<23 kg / 50.7 lbs (TBD)
- Reflector + feed case	<20 kg / 44.1 lbs (TBD)

Power Requirement

24-48 VDC nominal
6A (max)

User Interface

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

Product number

406616C-50114	EXPLORER 6075LX
---------------	-----------------

For further information please contact:

Cobham SATCOM Land
Lundtoftegaardsvej 93 D
DK-2800 Kgs. Lyngby, Denmark
Tel: +45 3955 8800

Subject to change without further notice.

Related Products: EXPLORER 6100, EXPLORER 3075GX

www.cobham.com/satcom