Helicopter Satcom Connectivity

Air Sat One

ASO

Connect your Jet to the Internet

SB-Helo X-Stream

Features & Price Guide

SB-Helo X-Stream

Streaming IP with Satcom data transmission designed for rotary wing aircraft.

SB-Helo X-Stream with Satcom data transmission designed for rotary-wing aircraft:

SB-Helo X-Stream is optimized for UDP type traffic and is used when maximum bandwidth is needed and/or for critical connectivity and streaming video. Standard Background IP (next page) may be used for text messaging, email, or other low bandwidth non-critical communications. To save money a combination of both SB-Helo X-Stream and Background IP services should be activated. When not using SB-Helo X-Stream, Standard Background IP connectivity issues may vary depending on blade design, antenna location and rotor speed.

SB-Helo X-Stream Monthly Plans - Pay As You Go:

Volume discount & billing via a sliding scale structure.

Monthly service fee: $215	New Activations & Expedited Activations: $395

Hours (for reference only, X-Stream is billed per minute)	Minutes Used Per Month	Price per minute	Estimated Monthly (minimum price for the minute block.)
0 to 2	0 to 120	$34.70	$0
2 to 4	121 to 240	$34.20	$4,138
4 to 6	241 to 360	$33.18	$7,996
6 to 8	361 to 480	$32.17	$11,613
8 to 10	481 to 600	$31.16	$14,988
10 to 16	601 to 960	$30.14	$18,114
16 and over	961 and over	$29.97	$28,801

Voice (AMBE-2)**:** 20 Minutes of voice a month is included, anything over 20 minutes is charged at $1.00 per minute.	**$1.00 Per Minute**

Quarterly and yearly pre-paid plans are also available - contact Air Sat One for pricing or custom plans not covered here.

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Inmarsat SwiftBroadband Background IP:

Monthly Plans

Monthly Allowance	Monthly Cost	Price per MB	Additional MB
Pay as you go*	$215	~	$6.38
*Pay as you go plan includes the monthly keep alive service fee and the first 40 Megabytes for no additional charge. Any data usage over 40 MB's a month is billed at the Additional MB rate.			
238 Megabytes	$1,290	$5.42	$5.95
350 Megabytes	$1,875	$5.36	$5.90
400 Megabytes	$1,970	$4.93	$5.75
500 Megabytes	$2,445	$4.89	$5.70
600 Megabytes	$2,915	$4.86	$5.65
750 Megabytes	$3,630	$4.84	$5.60
1,063 Megabytes	$4,630	$4.36	$5.16
1,675 Megabytes	$6,920	$4.13	$5.09
2,288 Megabytes	$9,100	$3.98	$4.70

Yearly Plans

Yearly Allowance	Yearly Cost	Price per MB	Additional MB
Pay as you go*	$2,580	~	$6.38
*Pay as you go plan includes the monthly keep alive service fee and the first 40 Megabytes for no additional charge. Any data usage over 40 MB's a month is billed at the Additional MB rate.			
2,856 Megabytes	$15,480	$5.42	$5.95
4,200 Megabytes	$22,500	$5.36	$5.90
4,800 Megabytes	$23,640	$4.93	$5.75
6,000 Megabytes	$29,340	$4.89	$5.70
7,200 Megabytes	$34,980	$4.86	$5.65
9,000 Megabytes	$43,560	$4.84	$5.60
12,756 Megabytes	$55,560	$4.36	$5.16
20,100 Megabytes	$83,040	$4.13	$5.09
27,456 Megabytes	$109,200	$3.98	$4.70

These SwiftBroadband plans have a minimum duration of 3 months; if service is deactivated before the minimum duration period has ended the remaining balance for the minimum duration will be due upon cancellation. Plan Allowances do not include Streaming IP, ISDN and traffic to other mobile satellite services.

These plans include "Monthly Allowance" for Background IP data for the MB's in the plan. Data usage over the monthly allowance will be billed at the additional MB rate. ** Pay as you go: Customers are billed at the additional MB rate for data usage.

Yearly plans allow the aircraft operator more flexibility for airtime usage by allowing rollover airtime within the yearly period for times when flying time may be high or may be limited due to scheduling or aircraft downtime due to maintenance. Yearly Pre-Paid plans allow rollover of MB's from month to month but only within the yearly period. Data usage over the yearly allowance will be billed at the additional MB rate.

Custom plans are available—contact Air Sat One if you do not see a plan that meets your needs.

About Air Sat One:

Air Sat One is a Satcom service provider that specializes in aircraft satcom, both for the cabin and the flight deck. Customers include business jet operators, VVIP, and government agencies. We offer advanced connectivity solutions, including aircraft network security, advanced firewall protection, filtering, on-line data management, ISDN, IPsec, VPN Tunnel, MPLS and government-grade encryption.

Global Network:

We can connect your SatCom system to the same generic network used by our competition, or we can connect your aircraft to our highly advanced custom global network of teleports and interconnect points of presence (PoPs). AirSatOne's Flightstream™ SA is deployed on our custom global network providing high-end network security and connection management features. Teleports are located in Santa Paula, California, Southbury, Connecticut, Aussaguel (FR), Eik (NO) & Yamaguchi (JP). IP PoP interconnects are located in New York City, London (UK), Amsterdam (NL), Aussaguel (FR), Oslo (NO) & Hong Kong.
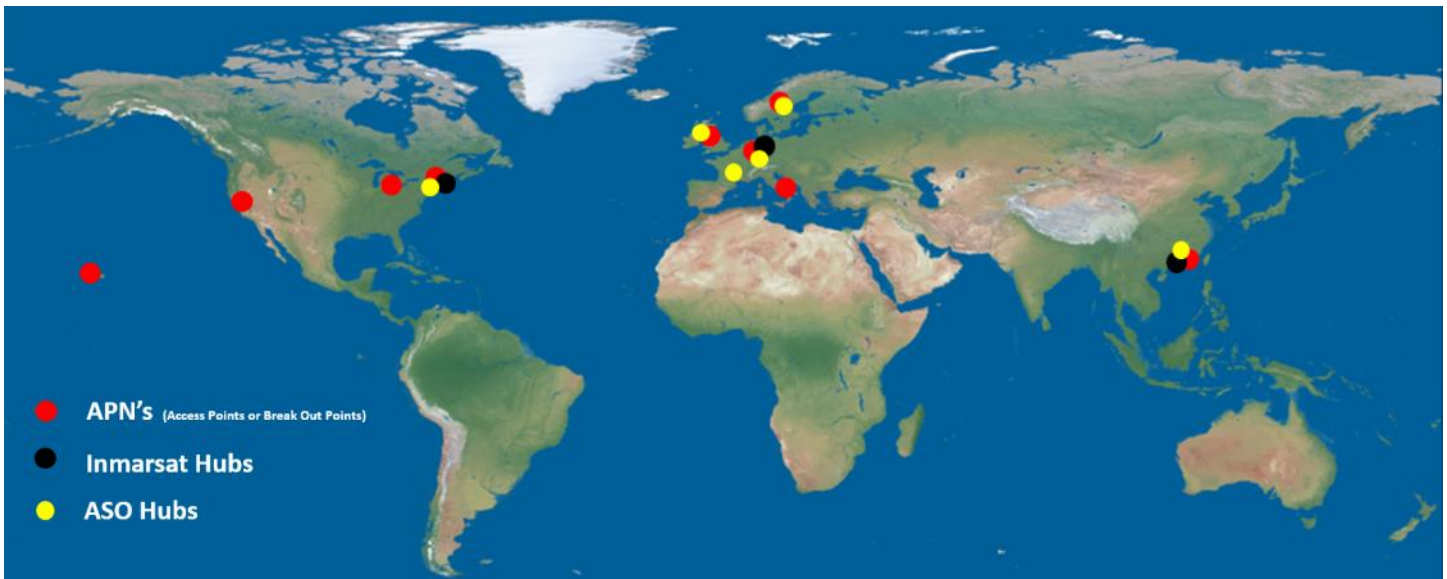
☞ **Our backbone and its efficiency matter to the passengers on your aircraft.**

Network Traffic Control & Prioritization:

Our traffic control features enable filters and rules, including prioritization, for traffic crossing our network and acts on both incoming and outgoing traffic. Protocols are available for the creation of traffic profiles based on network layer 3 protocols (ICMP), layer 4 protocols (UDP, TCP), or tunneling protocols (ESP, AH, GRE). Traffic prioritization is available to make sure high priority data reaches the Satcom terminal even in situations where 100% of the allocated downstream network bandwidth is being used. Flightstream SA prioritization allows the users to define how the received traffic will be treated and allows the user to qualify the priority class of a given traffic profile and assign a bandwidth percentage to each priority class.

Hybrid Satellite / Terrestrial Connectivity:

Our AirSatOne provides secure and optimized hybrid satellite / terrestrial connectivity solutions that are flexible, scalable, and customized to meet the needs of the customer and mission with IP-Sec, Leased line or MPLS.

APN's (Access Points or Break Out Points)

Inmarsat Hubs

ASO Hubs

Additional Services:

Service	Description	Cost
Flightstream™ SA	This service enables basic compression techniques and enables advanced firewall features, which allows you to block access to costly high-bandwidth websites such as YouTube, in addition to selected media content types such as flash, videos, and even images. Flightstream™ SA allows our customers to streamline their internet connection with just the features you want onboard your aircraft and does not require the installation of hardware or software on an individual's computers or mobile devices. More information.	$0
Smart Call	Smart Call allows users to place calls to the aircraft using our 1-800 number from any location in the world using a two-step dialing process (1-800 number and PIN). Registering your landline phone number in our system means you only need to call the 1-800 number without having to use a PIN code. More information.	$0
Smart Call Plus	Smart Call Plus allows users to place calls directly to the aircraft located anywhere in the world by simply dialing a pre-assigned 10 digit terrestrial number. Prefixes are available for most countries or cities. More information.	$20 / Month
Advanced Interconnection: Live Video / Advanced Security / Encryption		
Our advanced interconnection solutions are customizable and designed for customers that want to stream live video and/or have a need for advanced security or to implement encryption.		
Custom IP Address • Public Static • Private Static	"Public.Static" type guarantees a dedicated public IP address to a SwiftBroadband terminal. It facilitates the implementation of various business applications like remote access or corporate access. "Private.Static" IP sessions are securely terminated at the customer's or end-user's premises and can be used to enable static authentication mechanism based on the SwiftBroadband terminal fixed IP address. "Private.Static" is also a solution of choice when mobile-to-mobile communication is required.	Call
Custom Interconnection Solutions	ISDN, IPsec, VPN Tunnel, and MPLS	Call

Air Sat One Exclusive SwiftBroadband Features

Feature	Standard	Additional	Note
Background IP	✓		Internet Access through Satcom with AirSatOne's custom global infrastructure.
Custom Seatback Cards	✓		Internet access instruction's, Wi-Fi login, cost per Megabyte, guide to turn off automatic downloads & etc. Customized to your aircraft and needs.
Wi-Fi Calling	✓		Use your own smart phone and your existing phone number. Our Flightstream™ SA will allow Wi-Fi calling to pass un-interrupted. Regular data usage charges apply.
Web Filtering	✓		Block audio, video, animated media, flash, remove advertisements, block URL's, block file type, limit file size, block categories. Part of Flightstream™ SA
Firewall	✓		Globally deployed network security for your aircraft. High level features for IT professionals. Predefined settings or custom settings. Accessible through Flightstream™ SA .
Compression	✓		Text and picture compression - adjustable, display light webpages. Whitelisting available. Accessible through Flightstream™ SA
Consumption Tracking	✓		Detailed consumption for usage monitoring or for passenger bill back, automated email notifications and pop-up window on devices on the aircraft. Track usage by flight, by the aircraft or the fleet.
Streaming		✓	Streaming for a dedicated connection for special applications including video and audio. Stream at 8, 16, 32, 64, 128kbps and X-Stream™.
Smart Call	✓		Call the aircraft through a 1-800 number.
Smart Call Plus		✓	Assign a 10 digit phone number, with your chosen country code & area code, to the aircraft for easy calling.
Public Dynamic IP Address	✓		
Private Dynamic IP Address	✓		Our standard default is Private Dynamic IP Address.
Public Static or Private Static IP Address		✓	Used for remote access or corporate access or for mobile to mobile communications for special mission applications.
VPN		✓	VPN Tunnel used to securely connect the aircraft to corporate or government networks.
ISDN		✓	On demand interconnection over single or multiple ISDN channels with guaranteed bandwidth
IPsec		✓	Cost-effective and easy-to-install interconnection via IP-Sec encryption technology.
MPLS		✓	Virtual point-to-point terrestrial link with guaranteed bandwidth for high-quality applications.