



Take Control of Your Aircraft's Connectivity

Filtering • Firewall • Traffic Control • Usage Tracking

Flightstream™ SA is AirSatOne's aircraft network management and security service for SATCOM-connected aircraft. Deployed on AirSatOne's custom global network, it gives the flight department, IT administrator, and crew control over how the aircraft's internet connection is used — without installing any hardware or software on individual computers or mobile devices.

Every AirSatOne SATCOM account includes Flightstream™ SA at no additional cost. Tell us what you need, and our team configures and manages it for you — keeping your bandwidth working for the traffic that matters most.

Included Free with Your AirSatOne Service

Firewall protection and domain/category-based web filtering are enabled at \$0 — no extra hardware, no per-device software, and no separate contract required.

What Flightstream™ SA Manages

Feature	What It Does	Included
Firewall	Personalized, globally deployed network security. Choose "Open" or "Protected" mode, then build Accept/Deny rules by protocol and service, in each direction.	Standard
Domain & Category Web Filtering	Block sites by URL/domain or by category (streaming, social, gambling, etc.) outright.	Standard
IP Blacklist	Block specific IP addresses individually or by bulk import — up to 500 addresses per account.	Standard
Traffic Control & Prioritization	Split downstream bandwidth into High / Medium / Low priority classes so the traffic that matters gets through first.	Standard
Usage & Traffic Tracking	View data usage by aircraft or fleet over preset or custom date ranges, for reference and passenger bill-back.	Standard

Why Charter Operators Choose Flightstream™ SA

An estimated **80–90% of charter customers now expect connectivity** before they'll book — and for some, it's a flat "no internet, no go." That demand only keeps climbing, especially on international trips and larger aircraft where global connectivity is assumed, not requested. Flightstream™ SA's data usage monitoring means no surprises on usage, and lets you bill SATCOM usage back to the charter customer.

Flightstream™ SA gives charter operators the tools to offer connectivity on their own terms:



Capability	Why It Matters for Charter
Usage monitoring & filtering	Managed through the same online portal — see and control what's consuming bandwidth.
Customer bill-back	Log in to your Flightstream™ SA account, check exact data usage per aircraft or SIM, and bill your customers for their airtime usage.

Learn more at airsatone.com/aircraft-charter-WiFi-internet-satcom.

Mission-Critical Prioritization: UAV, Military & Video

Special mission and UAV operations can't afford a stalled command link or a dropped video feed because a routine background download ate the available bandwidth. Flightstream™ SA's traffic control features enable filters and rules — including prioritization — for traffic crossing the network, acting on both incoming and outgoing data, so you can put command-and-control (C2) links and live video/ISR feeds ahead of routine traffic for the largest share of available bandwidth.

Built for use cases like UAV SATCOM terminals and live video over SATCOM.

Typical Special Mission / UAV Priority Setup

Priority Class	Typical Traffic	Bandwidth Share*
High	UAV command & control (C2) links, live video / ISR feeds	70% / 60% / 50%
Medium	Mission data, telemetry, secure messaging	20% / 30% / 40%
Low	Administrative and general web traffic	10% / 10% / 10%

*Configurable split across three preset profiles (70/20/10, 60/30/10, 50/40/10) or a custom split on request. Applies to downstream, land-side traffic.

Profiles are built on network layer 3 protocols (ICMP), layer 4 protocols (TCP, UDP), or tunneling protocols (ESP, AH, GRE) — the same building blocks behind the VPN, IPsec, and MPLS links common in military and special mission connectivity. Pair prioritization with Flightstream™ SA's Custom IP options (Public.Static / Private.Static) and VPN/IPsec/MPLS interconnects for a secure, dedicated mission network end to end.

Firewall Protection

Set the aircraft's connection to "Open" (all traffic allowed) or "Protected" (your custom rules apply). Protected-mode rules combine a protocol (ICMP, TCP, UDP, GRE, AH, ESP) with a service — http, https, ftp, dns, smtp, pop3/imap (with SSL variants), ssh, telnet, and more — each set independently for inbound and outbound traffic, as Accept or Deny. Because the firewall filters by protocol and port rather than by reading page content, it works on HTTPS traffic just as it does on HTTP.

IP Blacklist

A simpler alternative to full firewall rules: block specific IP addresses at the account or group level, up to 500 addresses per account. Add addresses one at a time — with an optional expiration date and comment — or import a list in bulk via a UTF-8 .txt or .csv file.



Usage & Consumption Tracking

Review data usage over the last 24 hours, 48 hours, 3 days, or 10 days, or set a custom date range for a specific period or flight. Usage data refreshes regularly and is retained for 90 days — ideal for monitoring consumption or for passenger bill-back, with automated notifications available. This data is provided for reference only and is not intended for billing purposes.

Secure, Role-Based Access

Every Flightstream™ SA account is protected by secure, credentialed sign-in, and can be scoped to match who needs access to what.

Access Level	Who It's For	What They See
Full / Provider Access	Flight departments and fleet operators	All aircraft and SIMs on the account; can create logins for pilots, crew, or IT staff
Basic / Aircraft Access	Individual aircraft owners or end users	That aircraft's connection only — scoped so other fleet accounts stay private

Additional Services Available Through Flightstream™ SA

Service	Description	Cost
Custom IP Address	Public, Static or Private. Static IP for remote access, corporate access, or mobile-to-mobile applications.	Call for pricing
VPN / IPsec / MPLS / ISDN	Secure interconnection to corporate, government, or special mission networks, or guaranteed-bandwidth terrestrial links.	Call for pricing