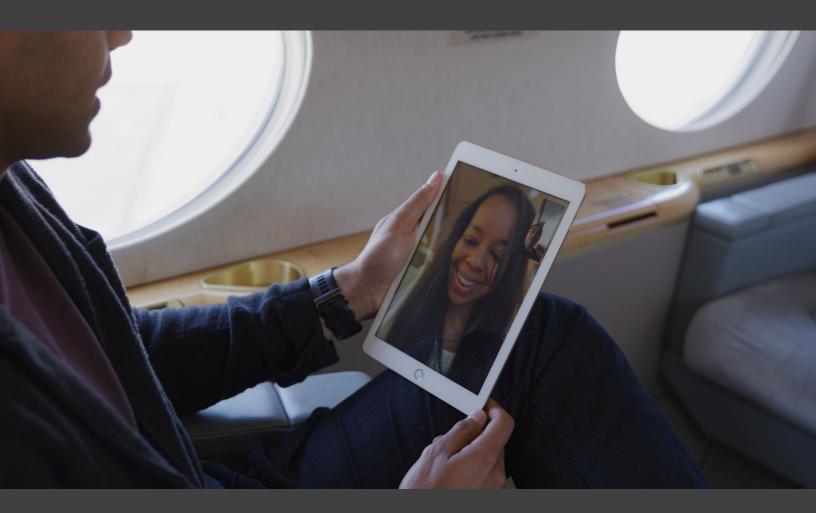
STARLINK



AUGUST 2024

BUSINESS AVIATION

HIGH-SPEED CONNECTIVITY IN THE AIR



STARLINK

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SPEEDS

DOWNLOAD UPLOAD 40-220 MBPS 8-25 MBPS

LATENCY

LESS THAN 99 MS

Available Now:

CERTIFIED AIRFRAMES

Gulfstream G450 (GIV-X), Gulfstream GIV-SP, G550 (GV-SP), GV, G650, G650ER, Bombardier Global Express / XRS / 6000 Bombardier Global 6500 Bombardier Global 7500 Textron Super King Air 200 / 300

Available later in 2024:

Bombardier Global 5000/5500 Cessna Citation 560XL, XLS, XLS+ Embraer Legacy 600/650

View our list of certified aircraft here.

ADDITIONAL FEATURES

Global coverage

No long-term contracts

3-Year hardware warranty

Dedicated Starlink support

Ongoing account & technical support

ABOUT OUR NETWORK

Starlink is the world's first and largest satellite constellation in low Earth orbit to deliver high-speed, low-latency internet anywhere across the globe.

As of August 2024, SpaceX's Starlink constellation has 6,500+ active satellites.

As the world's leading provider of launch services, SpaceX is the only satellite operator able to launch its own satellites.

SpaceX expands network capacity with new satellite launches every week on average.

TIMELINE OF STARLINK & STARLINK AVIATION

Mar-14: SpaceX begins work on Starlink

May-19: SpaceX launches the first 60 Starlink satellites

Oct-20: Starlink launches public beta service for consumers

Feb-21: SpaceX surpasses 1,000 active Starlink satellites launched

Sep-21: SpaceX surpasses 100,000 active Starlink users worldwide for the consumer service

Apr-22: SpaceX partners with several airlines to provide in-flight connectivity

Apr-22: SpaceX launches the first Starlink satellites with laser interlinks, designed to improve data transfer between satellites and crucial for open ocean connectivity

May-22: Starlink launches portable land application

Jun-22: Federal Communications Commission grants SpaceX approval to use Starlink in motion – allowing us to service users in moving vehicles, vessels, and aircraft. Starlink launches Maritime application

Jun-22: Starlink begins developing aviation application

Dec-22: Starlink surpasses 1,000,000 active Starlink users worldwide

Dec-22: Starlink installs on Embraer ERJ-145s

Jun-23: SpaceX surpasses 4,000 active Starlink satellites

Aug-23: Starlink begins installations on business jets

FLIGHT PROVEN

1,000+ Aircraft Backlog 150k+ flight hours

300+ Equipped Aircraft 80K+ flights taken

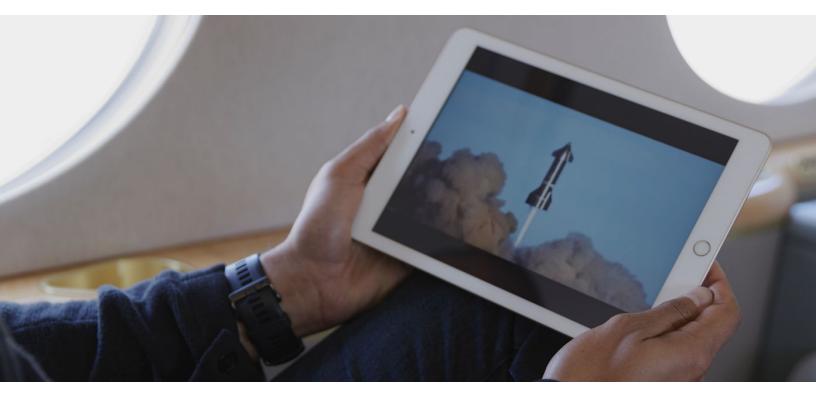
As of August 2024



VIDEO STREAMING & VIRTUAL MEETINGS AT ANY ALTITUDE

• Starlink can deliver up to 220 Mbps to each terminal, enabling all passengers to access streaming-capable internet at the same time.

- Enjoy **unprecedented in-flight experiences with latency below 99ms**, enabling seamless 4K video calls, online gaming, virtual private networks, and other latency-dependent activities.
- This plan includes unlimited data to customers each month. Aviation Priority customers are given a **premium level of network precedence**, meaning users will experience fast and consistent download and upload speeds.



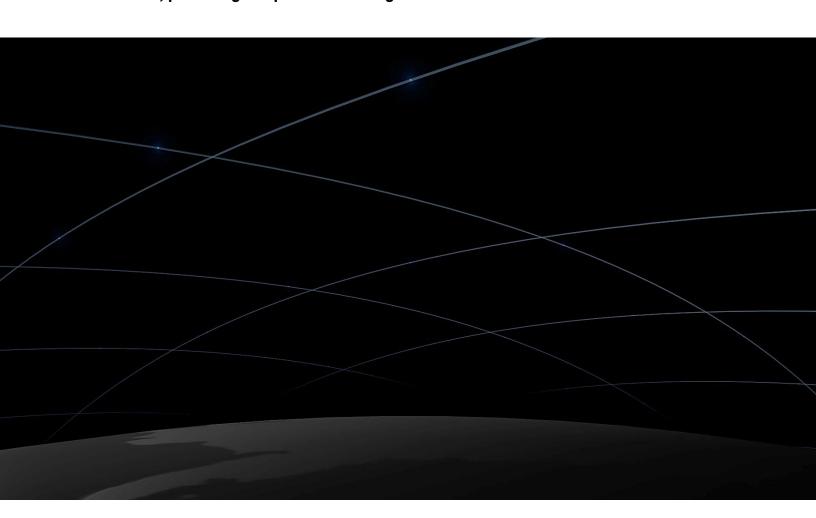
What makes Starlink's low Earth orbit superior to competitor geostationary satellites?

Starlink is the only service to support streaming, video calls, and other latency-dependent activities nearly anywhere in the world. Most satellite internet services come from single geostationary satellites that orbit the planet at 22,236 miles—Starlink's satellite constellation orbits at 342 miles. As a result, the time between the user and satellite (aka. latency) is high, making it nearly impossible to support latency-dependent activities.

GLOBAL COVERAGE

• As the world's largest satellite constellation **covering land, oceans, and polar regions**. Starlink is positioned to provide in-flight connectivity to passengers and crew anywhere in the world, subject to regulatory approvals.

- Whether you're traveling over remote landscapes or soaring over vast oceans, Starlink provides **reliable speeds for all passengers on board**.
- Starlink's advanced satellites leverage optical space lasers (Optical Intersatellite Links or ISLs), which allow the spacecraft to **transmit data without local ground stations**, **providing ubiquitous coverage**.



Learn more about Starlink Aviation on Starlink.com/business/aviation

SUPERIOR TECHNOLOGY - OUR HARDWARE

 Starlink's low-profile Aero Terminal features an electronically steered phased array antenna allowing us to point at a new satellite in <1ms, which unlocks new levels of reliability, redundancy, and performance.

- **Existing solutions** rely on mechanically-steered motors to keep the antenna pointed at geostationary satellites and **can require a minute or more of downtime** in order to switch between satellites.
- Our Aero Terminal's low-profile mechanical design is open to the airstream resulting in minimal performance loss and improved fuel efficiency compared to high-profile radome antennas.



CONTINUOUS IMPROVEMENT

With over 3M Starlink customers spanning 100+ markets and on every continent (August 202), Starlink is continuously collecting and evaluating data to learn and improve your experience over time.

SUPERIOR TECHNOLOGY – OUR SATELLITE CONSTELLATION

• Starlink is the **world's first and largest satellite constellation** with 6,500+ active satellites in low Earth orbit. This ensures you always have multiple optimally placed beams anywhere in the world.

- As the world's leading provider of launch services, SpaceX is the **only satellite operator with the ability to launch its own satellites**. With frequent launches, Starlink satellites are constantly updated with the newest technology.
- Starlink's custom built navigation sensors survey the stars to determine each satellite's location, altitude, and orientation, enabling **precise placement of broadband throughput**.
- Each Starlink satellite uses 4 powerful phased array antennas and 2 parabolic antennas to **provide increased capacity**.
- Efficient ion thrusters, powered by krypton, enable Starlink satellites to orbit raise, maneuver in space, and deorbit at the end of their useful life. Starlink is the first krypton propelled spacecraft ever flown.



As of August 2024, SpaceX has surpassed over 192 Starlink launches (58 in the past year only) and 376 total launches. Learn more at Starlink.com/technology

INSTALLATION & ONGOING SUPPORT

Guided Installation

• With its simplified design, Starlink enables installation with **minimal downtime** (~14 days) that integrates with routine maintenance checks.

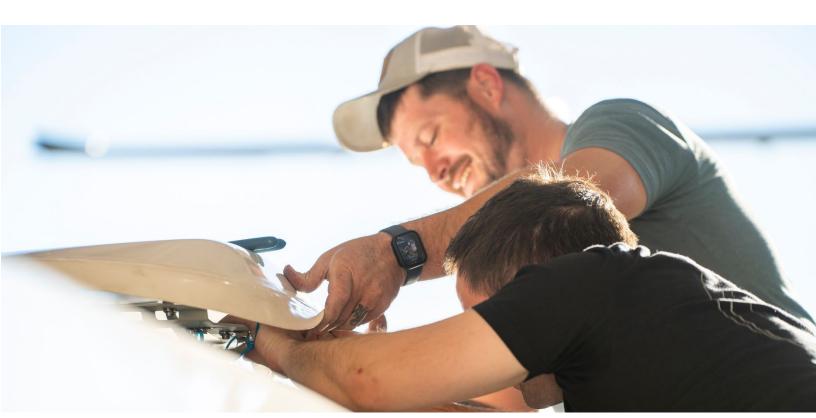
 You may choose to utilize your current maintenance organization or choose from a list of qualified and experienced installers provided by Starlink and the STC license holders.

Dedicated Support

 From the time a deposit is made, Starlink will provide dedicated support to ensure a good customer service experience with the installation process, activation process, and operation of Starlink on your aircraft.

Ongoing Support 24 / 7 / 365

• Following installation, Starlink provides **continuous technical, account, and engineering support**, ensuring uninterrupted connectivity to the world's largest satellite constellation.



Starlink's dedicated technical team provides support 24 / 7 / 365

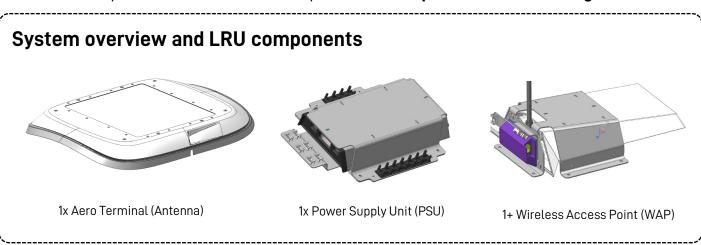
DEALER NETWORK

Reach out to one an Authorized Starlink Dealer to purchase everything you need to get connected and schedule your installation.

Authorized Starlink Dealers					
ACC Columbia	<u>ACI Jet</u>	ACM Air Charter			
AeroMech Inc	<u>AeroX</u>	AMAC Aerospace			
<u>Araina Aviation</u>	Banyan Air Service	Brunswick Aviation			
<u>Business Jet</u>	<u>Citadel Completions</u>	Clay Lacy Aviation			
<u>Duncan Aviation</u>	Elevate Aviation Group	Elliott Aviation			
flyExclusive	<u>Jet Aviation</u>	New World Aviation			
Pentastar Aviation	ProStar Aviation	<u>StandardAero</u>			
Stevens Aerospace	<u>Thornton Aviation</u>	West Star Aviation			

ABOUT THE HARDWARE

- The Aero Terminal is an aerodynamic, modular fuselage mount system designed to provide high speeds and throughput in-flight, in a form factor previously not achievable with available technology. Total weight under 60 lbs.
- The Aero Terminal Antenna is an **electronically-steered phased array antenna** operating in the Ku frequency band. The RX channels operate from 10.7 to 12.7 GHz and the TX channels operate from 14 to 14.5 GHz.
- Starlink provides two WiFi access points for complete aircraft coverage.



STARLINK COMPARED TO EXISTING OPTIONS

	STARLINK	SATELLITE COMPETITORS **	AIR-TO-GROUND COMPETITORS ***
USE CASES	4K streaming, online gaming, high-quality video calls for 30+ devices	Streaming with high- latency, browsing, email for 3-4 devices	Streaming, browsing, email for 1-2 devices
EXPECTED SPEEDS	220↓ 25↑ Mbps	40↓ 2↑ Mbps	5↓1↑ Mbps
EXPECTED LATENCY	<99ms	Greater Than 600ms	<99ms
COVERAGE	Global*	Global* excluding polar regions	North America

^{*}Subject to regulatory approvals **Inmarsat JetConneX Ka JX Edge ***Gogo Biz 4G Limitless