

Wirelessly Link your iPad® to Your Avionics

- Simplifies and streamlines your cockpit management
- Works with the Garmin Pilot™ and ForeFlight Mobile apps as well as aera 795/796¹
- Enables traffic and weather from your avionics to be viewed on your portable device
- Easily load flight plans – including airways – from Garmin Pilot to your GTN™ 750/650 series or GNS 430W/530W series navigator (Flight Stream 210 only)
- Provides GPS location and AHRS attitude information



Part of the Garmin Connex[®] family of flight connectivity solutions, the Flight Stream 110/210 is a small wireless gateway that is easily installed in your aircraft, enabling a combination of up to 2 compatible tablets or phones to stream information to and from your avionics system via Bluetooth[®]. The Flight Stream 110 offers GPS, weather and traffic streaming from the [GDL 84](#) or [GDL 88](#) ADS-B datalinks and [GDL 69 SiriusXM™ datalink](#), while the Flight Stream 210 adds the capability for flight plan syncing with the [GTN 750/650 series](#) and [GNS 430W/530W series](#) navigators as well as the ability to display attitude information using an on-board AHRS¹.

As a result, you're able to use your mobile device's touchscreen as a true cockpit interface – capable of transferring flight plans, streaming high quality GPS and AHRS attitude information to reveal rich 3-D synthetic vision display, graphically depicting subscription-free weather and traffic with our patent-pending TargetTrend™ traffic and TerminalTraffic™ display, controlling your SiriusXM system's audio entertainment channels and much more¹.

It's All About Simplifying Your Flying

With the wireless mobility supported by your Flight Stream 210, you'll enjoy more freedom and flexibility in everything from preflight preparations to inflight cockpit management. For example, instead of sitting in a too hot or too cold aircraft to manually enter all flight plan and waypoint information into your GTN or GNS prior to takeoff, simply use the flight plan that you've already created and filed during your pre-flight planning using [Garmin Pilot](#) – whenever and wherever it's convenient – and then wirelessly upload it all to your avionics within moments of arriving at the flight line. You save time. You stay comfortable. And you get airborne more quickly, thanks to the upload-and-go convenience of your Flight Stream wireless link.

Connex Phone Control and Text Messaging via Mobile Devices

Flight Stream 210 can pair an Apple mobile device operating Garmin Pilot to the GTN to access text and voice services enabled by a [GSR 56 datalink](#)¹. While in-flight or on the ground, pilots can quickly send and receive messages using Garmin Pilot on an Apple mobile device, which utilizes a familiar conversation format with the device's existing contact database. Similarly, customers can initiate phone calls on a compatible Apple® mobile device when connected to the Connex network, so it's easier to complete phone calls over a headset while in flight. The GSR 56 also supports the display of Connex weather on compatible avionics.

Wireless Syncing, Brilliant Thinking

Once you're off and flying, the Flight Stream 110/210 lets you use your portable device to wirelessly access information from your avionics. So, you can enhance your mobile product's map and flight displays with graphical weather, traffic, GPS position reference, AHRS for backup attitude and 3-D synthetic vision displays – using all of the avionics you've already invested in and reducing clutter from individual portable solutions¹. What's more with the Flight Stream 210, keeping flight plans in sync between your tablet and your avionics is a cinch: Enter the waypoints, airways or airports on one device, and with a tap or two, your entries are automatically transferred to the other. So, there's no duplication of effort on your part when it comes to keeping everything in sync.

Get the Most from Your Avionics

When pairing a GNS 430W/530W series navigator and either a GDL 88 ADS-B datalink or GDL 69 SiriusXM datalink — adding a Flight Stream is an easy way to see all of the weather benefits on a higher resolution display which can include: animated NEXRAD imagery, METARs, TAFs, winds and temperatures aloft, PIREPs, NOTAMs and much more. Even better, use the GDL 88 ADS-B datalink to meet [U.S. ADS-B equipage requirements for Dec. 31, 2019](#) and pair it with a Flight

Stream to receive all of the ADS-B traffic and weather benefits right on your mobile device.

Take Action Against Distractions

On a Sirius note, if your aircraft also has a GDL 69/A SiriusXM datalink on its equipment list, you can use the Flight Stream 110/210's Bluetooth connectivity to let your iPad or a passenger's iPhone® double as a wireless remote for your SiriusXM satellite audio system. That way, you can access more of the safety-enhancing information you really want to see in the cockpit — while utilizing the same technology to minimize distracting interruptions from your channel-surfing audiophiles in the passenger seats.

That's the beauty of wireless workload reduction — made possible by the Garmin Flight Stream 110/210.

Flight Stream and Remote Capabilities

	Flight	Flight	Flight
ADS-B Weather and Traffic	•	•	•
SXM Weather	•	•	•
SXM Audio Remote Control	•	•	•
Streams Attitude Information		•	•
Two-way Flight Plan Transfer		•	•
GTX 345, GDL 84/88 and GDL	•	•	•
Connex Voice and Text		•	•
Database Concierge			•
GTN Series Compatible		•	•
GNS 430W/530W Compatible		•	

¹Capabilities such as GPS, attitude, weather, traffic and flight plan transfer, SiriusXM weather and audio control are limited to the version of Flight Stream, the avionics installed in the aircraft as well as portable device. Compatibilities continue to grow with more apps and portables. Please reference the hardware compatibility chart as well as the Support Devices tab for details.

Physical Characteristics

- Width: 2.74" (7.0 cm)
- Height: 0.92" (2.3 cm)
- Length: 3.93" (10.0 cm)
- Unit weight: 0.156 lbs (0.07 kg), excluding connector kit; 0.27 lbs (0.12 kg), including connector kit

General Specifications

Flight Stream Transceiver Specifications

- Operating temperature range: -20° C to +70° C
- Input voltage range: 9.5 to 33.0 VDC
- Software compliance: RTCA DO-178B Level E
- Environmental compliance: RTCA DO-160F
- TSO compliance: TSO-C157, DO-267A

Bluetooth® Specifications

- Version: 3.0
- Class: 2
- Transmitter power: 4 dBm (2.5 mW)
- Effective unimpeded range: 33 ft (10 m)

Power Specifications

- Max current @ 28 VDC: 50 mA
- Max current @ 14 VDC: 100 mA

Supported Hardware

This access point can successfully connect to these devices in these configurations:

iPhone®/iPad®

- iPhone 5 and newer
- iPad 3 and newer
- iPad Air and newer
- iPad Mini with Retina and newer
- iPad Pro and newer

Android™

Garmin Pilot™ version 4.1 and above, running on these devices with Android 4.4 (KitKat) and above:

- Google Nexus devices
- Samsung Galaxy devices

aera 796/795/660

System software version 4.70 and above

Supported Configurations

- A combination of 2 wirelessly supported Android, Apple or Garmin devices
- 1 compatible Android device connected to both a GDL 39 or 39 3D and Flight Stream 110/210 simultaneously
- 1 compatible Apple device connected to both a GDL 39 or 39 3D and Flight Stream 110/210 simultaneously

Supported Apps

- Garmin Pilot version 7.1 and above running on all the supported devices above with versions 8.1 and above.
- ForeFlight Mobile version 7.3 and above running on the iPhone/iPad supported devices above with versions 8.1 and above.

Feature Compatibilities

	aera	Garmin	ForeFlight	VIRB®
ADS-B	X	X	X	
ADS-B Traffic	X*	X*	X	
Attitude	X	X	X	X
GPS		X	X	X
Flight Plan		X	X	
SiriusXM		X		
SiriusXM		X		

*Includes our exclusive TargetTrend™ and TerminalTraffic™