

EMBRAER
LEGACY[®] 450/500



An aircraft beyond compare



Collins Aerospace



Enjoy advantages from
the most trusted source

EXCEED YOUR EXPECTATIONS FOR ALL YOUR DESTINATIONS

You've invested in an exceptionally advanced aircraft. Now is your opportunity to take that flying experience further. With the latest avionics and connectivity capability, along with options to enhance your cabin, you'll have a flight experience like no other. All from one trusted source of innovation.

CONNECTIVITY



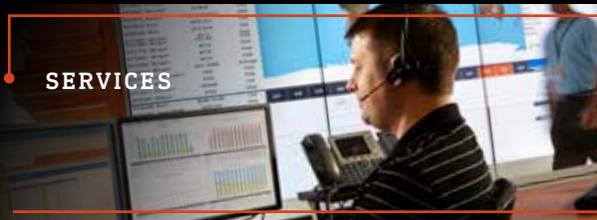
AVIONICS



CABIN



SERVICES



STAY CONNECTED, ENGAGED AND INFORMED



Everything you need to enhance performance across your aircraft

A full range of connectivity options empowers passengers and crew members to be as productive in the sky as they are on the ground. And because one company delivers them all, you can depend on a seamless solution – along with accessibility and throughput for all your aircraft's connectivity needs.





CONNECTIVITY ENABLEMENT

The hardware that makes aircraft connectivity work.

- Radios: high frequency (HF), Iridium®, Inmarsat SATCOM, VHF
- Routers: Airborne Data Routers with optional two channels of Iridium
- Antennas: Tailwind®, Ku/Ka Band

ARINC DIRECTSM FLIGHT-DECK CONNECTIVITY SERVICES

Options that can add new destinations to your aircraft while enhancing its safety, efficiency and mandate compliance.

- Iridium
- Inmarsat
- VHF and HF data link/ACARS

ARINC DIRECT CABIN CONNECTIVITY SERVICES

Reliable, fast, global data delivery for passengers and aircrews.

- Inmarsat Jet ConneX
- Inmarsat SwiftBroadband
- ViaSat® Mobile Broadband Service
- Iridium voice and fax

LEARN MORE

collinsaerospace.com/legacy450-500/connectivity

FLIGHT DECK OPTIONS

As an Embraer Legacy® owner or operator, you know that your aircraft's flight deck features the cutting-edge technology of our Pro Line Fusion® integrated avionics system. Its capabilities make flying safer, more efficient and more enjoyable than ever.

Maximize your aircraft's performance

What you may not know: Your Pro Line Fusion avionics system is designed with advanced options that will deliver the benefits of current and future airspace programs, including NextGen® and Eurocontrol.

To learn more about avionics baseline features, go to collinsaerospace.com/legacy450-500



OPTIONS

MANDATE

ADS-B OUT

Equip now; be ready for domestic and global DO-260B mandates required by the end of 2019.

MANDATE

CONTROLLER PILOT DATA LINK COMMUNICATIONS (CPDLC)

Installing FANS reduces weather delays and increases U.S. departure clearances as well as routing efficiency in the North Atlantic tracks.

FANS 1/A – Efficient, text-based communications between pilots and air traffic controllers reduces frequency congestion.

ATN (Link 2000+) – Reduce the risk of flying lower assigned altitudes. This equipage secures your preferred access to European airspace while meeting the 2020 mandate.

LEARN MORE

collinsaerospace.com/legacy450-500/avionics

8 AVIONICS

OPTIONS (CONTINUED)

SURFACE MANAGEMENT SYSTEM	Airport Moving Map, along with aural and visual takeoff and landing alerts, aids in mitigating those unexpected runway incursion close calls.
PAPERLESS OPERATION	Know where you are on approach with accurate aircraft positioning displayed on your approach charts and airport diagrams. Incorporate back-up redundancy into your flight deck for paperless operations.
XM WX SATELLITE WEATHER®	Complement the on-board weather radar system with strategic weather. Expand your viewpoint from 320 to 1,000 nautical miles to increase pilot awareness of changing weather patterns. Available as either single or dual.
DATA-LINK GRAPHICAL WEATHER	
RNP AR 0.3	Equip your aircraft for easier access to heavily congested or terrain-challenged airports. Take advantage of shorter approach routing and lower landing minima to maximize fuel savings and time to your destination.
LIGHTNING DETECTION	Provides real-time, flight-critical information about developing weather hazards.
AIRCRAFT INFORMATION MANAGER	Save time and effort with automatic updates to your databases whenever your wheels touch the ground and you have a Wi-Fi® or cellular connection.
IRIDIUM SATCOM	Reliable voice communications for your flight deck and passengers wherever you go. AOC data link and safety services are also enabled by using the most advanced satellite-based network available.
ADDITIONAL OPTIONS	<ul style="list-style-type: none">• Vertical weather• Predictive wind shear• ADS-B In• Synthetic Vision System• Inertial reference system• Second distance measuring equipment• Second radio altimeter• Second autothrottle• Second automatic direction finder• Third VHF radio



HEAD-UP VISION SYSTEM

Two capabilities combine to deliver unparalleled flight awareness

HEAD-UP GUIDANCE SYSTEM (HGSTM)

Go where you want with greater accuracy, awareness and safety. The HGSTM-3500 is a beautiful fit in the Legacy 450 and 500 flight decks. This innovative, wave-guide HGS offers the same powerful capabilities of relay lens HGS, in a smaller, lighter and more elegant design. Enhanced Vision System

In low-visibility conditions, gain real-time awareness of terrain or real-time obstacles in your aircraft's flight path. Our Enhanced Vision System (EVS) brings together images from three independent cores, each fine-tuned to pick up specific wavelengths of the infrared and visible spectrum. It merges these into one seamless image for the pilot, providing full EVS operational value in a much lighter, highly reliable design that does not require cooling.



DYNAMIC WAYS TO ENGAGE

Cabin options tailored for your experience



Bring the convenience of your preferred lifestyle on board.
Work or relax throughout your journey, just as you do at home.

STAGE™ ON DEMAND

Stream an extensive breadth of movies, TV shows, music and games for a more enjoyable flight experience. Access news, sport scores and weather feeds,* along with destination information.

AIRSHOW® MOVING MAPS

Explore Airshow moving maps from your personal iOS and Android™ devices with Airshow Mobile. Make your Airshow experience unique to you: your aircraft tail number, custom paint, corporate logo, multiple languages and more.

ARINCDIRECT CABIN CONNECTIVITY

Choose from a breadth of cabin connectivity options, including Inmarsat Jet ConneX and SwiftBroadband, ViaSat and Iridium to meet your phone, fax, voice and data needs. Combine these with our Airborne Data Router, a multitude of service enhancement applications and our global support to enjoy a total and reliable connected cabin experience.

*Requires connectivity for real-time news, sports and weather feeds

LEARN MORE

collinsaerospace.com/legacy450-500/cabin

STREAMLINE EVERY TRIP, START TO FINISH

World-class service and support anywhere, anytime, every time

From the moment you decide on a destination, Collins Aerospace is there with the support that helps make any trip a pleasure to take. Our services and tools are designed to smooth every detail of every flight.

CASPSM

Our Corporate Aircraft Service Program (CASP) offers the support and protection you need to keep your operation nimble. Both CASP and CASP Elite services provide tailored solutions to improve the operational availability of your aircraft at a predictable annual cost. With no pre-inspection or buy-in fees, the average customer saves 15 to 25 percent in maintenance costs.

ARINCDIRECT INTERNATIONAL TRIP SUPPORT

The tools you need to take the worry out of worldwide travel planning. Weather, fuel services, visa and passport confirmation, TSA waivers, APIS submission, aircraft and passenger security and much more. Our mobile application lets you keep track of your trip status on the go from the convenience of your iPhone® or iPad®.

ARINCDIRECT FLIGHT OPERATIONS SYSTEM (FOS®)

FOS gathers everything you need in one place – your scheduling, maintenance, international trip support tools and more – with rich features and no redundant data entry. The FOS Mobile app lets you access FOS tools and services from your iOS and Android devices.

ARINCDIRECT FLIGHT PLANNING

Create and file electronic flight plans anywhere worldwide, using aircraft performance data and the latest atmospheric forecasts for the most precise fuel burns and time calculations. With our iPad app, you'll always have up-to-date weather information and flight plans at your fingertips.



LEARN MORE

collinsaerospace.com/legacy450-500/services

To learn more, go to
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Collins Aerospace

+1.319.295.4085

avionicsmarketing@collins.com

collinsaerospace.com