

AVIDYNE®

PRODUCT LINE



Integrated Flight Deck



Entegra Release 9 Integrated Flight Deck

With its fully-modular architecture, Entegra Release 9 represents the next generation of integrated flight deck systems for general aviation aircraft. The Entegra Release 9 includes high-resolution, LED backlit IFD5000 displays, dual Air Data and Attitude Heading Reference Systems (ADAHRS), dual-redundant FMS900w systems with a QWERTY keypad, next-generation fully-digital 16-watt VHF NAV/COM radios, and dual WAAS/RNP-capable GPS receivers.

Release 9's innovative Page & Tab user interface makes it a breeze to quickly access data without delving into hierarchical menus, pop-up windows or hidden modes.

Designed with a fully-redundant architecture, each IFD5000 is fully capable of performing the functions of the other with no unfamiliar or limited reversionary modes.

With Entegra Release 9, Avidyne has developed a truly integrated system that is specifically designed to eliminate complexity, reduce head-down time, provide a whole new level of redundancy, and dramatically enhance safety.

Digital Autopilots



DFC Attitude-Based Digital Autopilots

Avidyne's DFC90 & DFC100 Attitude-Based Digital Autopilots enhance precision of flight and improve safety for your Entegra-equipped Cirrus aircraft. The DFC90/DFC100 adds the precision of an attitude-based flight control system and Avidyne's innovative, safety-enhancing Envelope Protection capability. DFC100 available for Entegra Release 9-equipped Cirrus Aircraft. DFC90 available for existing Entegra-equipped Cirrus aircraft (requires PFD software and hardware upgrade.)

Multi-Function Displays



EX600 Multi-Function Displays w/CMax™

The EX600 with QuickPan™ - Featuring a large 5.8-inch diagonal transfective VGA display, dedicated Map Panning Keys, and an innovative new QuickPan capability, the EX600 delivers easy-to-use, datalink-ready multifunction display capability for general aviation airplanes & helicopters.

CMax™ Electronic Approach Charts & Airport Diagrams, plus interfaces for all the popular TIS/TAS traffic sensors are included as standard. The versatile EX600 has options for supporting any of 20 different radar interfaces, EGPWS, and TCAS I.

With the EX600's "map-centric" operation and full overlay capability, you can display a moving map of your flight plan and view datalink weather all along your route of flight. And view on-board Wx Radar. And special-use airspace. And traffic. And terrain. And color lightning. All without ever leaving the map page.



EX5000 Multi-Function Displays w/CMax

High resolution 10.4" diagonal display, datalink graphical weather when interfaced with Avidyne MLB700 or Heads Up XMD-076/A, terrain + water base map with man-made U.S. obstacles, curved flight paths when interfaced with a Garmin 400/500 series GPS, traffic awareness when interfaced with Avidyne TAS600/610/620, Avidyne TWX670 Lightning Detection, Ryan 9900B/BX, Goodrich Skywatch/HP TAS, Garmin GTX330 TIS, or the Bendix/King KTA870 TAS, and a Goodrich WX-500 Stormscope interface.



MHD300

The Avidyne Multi-Hazard Display MHD300 provides pilots a dedicated display for aviation hazards such as traffic, color lightning, and terrain (EGPWS) at a size that can fit into almost any panel.

Primary Flight Displays

EXP5000 Primary Flight Display (PFD)

The EXP5000 is Avidyne's retrofitable Integrated Flight Deck system that is designed with the flexibility to be installed in a number of different aircraft types and configurations. The EXP5000 includes a built-in Air Data & Attitude/Heading Reference System (ADAHRS) and integrates all of your primary flight instruments into a single, easy-to-use, and easy-to-interpret display. In dual-PFD installations, Avidyne's exclusive Cross-Compare System™ (CCS) fully monitors both PFDs up to 30 times per second and provides visual alerts in the unlikely event of a discrepancy for unsurpassed redundancy and increased safety of flight.



PFD4000 Primary Flight Display (PFD)

The PFD4000 is Avidyne's new compact big-glass primary flight display system that is designed with the flexibility to be installed in a number of different aircraft types and configurations.



Designed as a "6-pack" replacement, the PFD4000 adds all the enhanced situational awareness and reliability benefits of an all-glass flight deck to virtually any general aviation aircraft.

Traffic Systems

TAS600-Series Active Traffic Systems

Avidyne's dual-antenna TAS600, TAS610 and TAS620 Traffic Advisory Systems surpass the performance capabilities of many higher-cost traffic systems and set a new standard for active-surveillance traffic capability and affordability. It's the smallest, lightest, lowest-priced, best-performing TAS available.



Dual-antenna TAS600 Systems detect other aircraft sooner and more accurately, so you avoid surprises due to the shadowing effects inherent with single-antenna systems. Using top and bottom directional antennas, TAS600 systems actively interrogate other aircraft, providing timely audible and visual alerts with the precise location of conflicting traffic.

ATD150 (optional display)

Avidyne's ATD150 'half 3-ATT' Digital Display provides a compact alternative for displaying traffic threats when panel space is at a premium. The ATD150 supports Approach Mode and also features an altitude alerter and a mute/update switch.



MLB700 Broadcast Datalink Receiver

The Avidyne MLB700 Receiver delivers aviation-quality datalink graphical weather from WSI InFlight® and audio entertainment from SIRIUS® Satellite Radio. Designed to interface with Avidyne's EX600, EX500 and EX5000-series multi-function displays, the MLB700 is available in two versions, a Data-only version and Data-and-Audio version that includes a wireless remote control for easy selection of Sirius audio programming from anywhere in the aircraft.



MLX770 Two-Way Datalink Transceiver

Avidyne's new MLX770 delivers aviation-quality weather data virtually anywhere in the world via the Iridium® Satellite Network for display on Avidyne's Entegra, EX600, EX500, and EX5000-series multi-function displays. Utilizing the 66-satellite Iridium constellation and Avidyne's exclusive Network Operations Center (NOC), the MLX770 delivers datalink weather and two-way SMS text messaging capability for general aviation operations outside the continental United States (CONUS). Subscription services are available that include high-resolution radar imagery, METARs, TAFs and more.



TWX670 Tactical Weather Detection System

The TWX670 is a third-generation lightning-based weather detection system that provides a simple and intuitive color-contoured display with instantaneous picture of surrounding weather. The TWX670 accurately detects and clearly displays electrical discharges --the primary indicator of thunderstorms--in real time, regardless of aircraft maneuvering. With its significantly-improved accuracy over previous-generation lightning detection systems, the TWX670 provides true tactical weather avoidance, especially in the critical 0 – 25nm range, making it a perfect complement to the strategic benefits of satellite-based datalink weather.



Worldwide Service & Support

Avidyne Corporation is dedicated to developing innovative avionics products that are easy to use and are of the highest quality, and we are committed to providing our customers with industry-leading after-sale service and support.

Avidyne products are sold and serviced through a network of over 500 Avidyne-authorized Distributors around the world. These independent Avidyne distributors must meet stringent qualifications, and are selected for their technical expertise and customer service capability.

In addition to our Factory Repair center in Melbourne, FL, Avidyne operates a Service Center and Maintenance Depot in our Avidyne-Europe facility in Weissenhorn, Germany, and at our Avidyne-Australasia facility at Bankstown Airport in Australia. Avidyne also provides an in-country Exchange Depot in São Paulo, Brazil.

Emergency telephone service is available to Authorized Distributors and Avidyne offers Platinum Exchange and Advanced Exchange services for domestic customers.

Distributor Training

All Avidyne-authorized Distributors and Avidyne Limited Service Centers are required to maintain their status by completing thorough factory-provided training and annual recurrent training on all of the Avidyne products that they sell, install and service.

Two-Year Hassle-Free Warranty

All new Avidyne products come with a Two-Year factory warranty, including access to Platinum Exchange and Advanced Exchange services. All Avidyne-authorized distributors warrant their own installations and work directly with Avidyne to handle any warranty repairs or exchanges.

FlexCare™ Extended Warranty Service

Avidyne offers extended warranty coverage through our FlexCare Extended Warranty Service Plan. Currently available for purchase to all domestic customers, the FlexCare Extended Warranty Service Plan coverage period begins when your original new product warranty expires and offers the same great benefits and services provided in Avidyne's original new-product warranty. Owners have the choice of purchasing one, two or three year FlexCare Extended Warranty Service Plans, either at the time of purchase, or at any time prior to the expiration of their existing two-year factory warranty or FlexCare warranty period.

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