



FlightMax *Entegra*

for your Symphony 160 Aircraft



The FlightMax *Entegra* system for your Symphony 160 aircraft consists of two large, high-resolution, sunlight-readable displays; an EXP5000 primary flight display (PFD) with an integrated solid-state air data and attitude/heading reference system (ADAHRS), and an EX5000 multi-function display (MFD) that comes standard with an integrated EMax™ Engine Indication System (EIS).

Simple & Intuitive

Human factors studies and flight test experience have proven that less is more for integrated flight deck operation. *Entegra* displays are eye-poppingly beautiful, and simple yet elegant. Pilot's love FlightMax *Entegra*'s intuitive operation and the enhanced confidence *Entegra* provides on every flight. The EXP5000 provides a simple scan of all standard flight instrumentation including attitude direction indicator (EADI), horizontal situation indicator (EHSI), altitude, airspeed, and vertical speed. Its pilot-selectable moving map presentation of flight plan data, a bearing pointer, and primary engine instruments – all within the primary field of view – greatly reduce pilot workload.

Total Situational Awareness

FlightMax *Entegra* provides the state of the art in situational awareness including moving-map navigation, EMax engine instruments, datalink weather with MultiLink™, traffic, terrain, and CMax™ Electronic Approach Charts.

The integrated air data computer provides you with a valuable full-time instantaneous wind vector, which takes the guesswork out of finding the right altitude to optimize your flight time, and correcting for winds while entering the pattern or flying an approach. Trend indicators provide six-second trend data for airspeed, altitude and heading, allowing you to fly more precisely with reduced workload when changing or maintaining an airspeed or altitude.

Integrated Autopilot Operation

Entegra provides integration with the Symphony 160's optional autopilot system. All autopilot mode annunciations are displayed in easy view. Integrated autopilot controls provide a simple and intuitive selection of altitude, vertical speed and heading for your flight.

The FlightMax *Entegra* Advantage

Integrated flight decks are now the standard for new GA aircraft, just as they are for air transport and corporate jet aircraft. Avidyne was the first company to bring this jet-age capability to light aircraft, the first to certify XM WX datalink weather, the first to offer multi-channel datalink solutions, and the first to offer electronic approach charts on large-format glass in this market. And Avidyne will continue to be the leader in innovation.

Enhanced Resale Value

In addition to increased performance, safety and utility, FlightMax *Entegra* provides significantly-enhanced long term resale value for your aircraft. There are now two classes of aircraft, those with integrated flight decks and those without.

With FlightMax *Entegra*, Avidyne and Symphony are fulfilling the vision of providing state of the art avionics in the Symphony 160 aircraft.





FlightMax Entegra's EXP5000 PFD integrates your flight and engine instrumentation, flight director, altitude preselector, and navigation data into an easy-to-interpret display suite, reducing scan, increasing situational awareness, and dramatically improving safety.



FlightMax Entegra's EX5000 MFD presents unique situational awareness capability including moving map, datalink weather with MultiLink™, lightning, terrain, and traffic on an integrated display, as well as detailed engine information.



FlightMax Entegra's EMax Total Engine Management™ system provides a graphical fuel totalizer, a lean assist mode, and a percent power display, which take the guess work out of fuel and power management. EMax monitors fuel flow and displays nautical miles per gallon, fuel remaining, fuel to waypoint, and fuel to destination. Temperatures, pressures, RPM, fuel flow, OAT, and electrical bus voltages are also monitored and displayed. EMax provides the most intuitive engine performance monitoring and analysis capability available for G.A.



Avidyne's CMax™ Electronic Charts option offers a world-wide library of geo-referenced Jeppesen® approach charts and airport diagrams, helping you manage and access critical flight information and reducing the amount of paper required on board your aircraft.



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