Make your flying simpler and safer. Whatever you fly. Wherever you fly.

Replaces Your Old Radar Indicator

The EX600 is designed to replace existing CRT-based radar indicators for any of 20 different radar systems. Dedicated Range, Bearing and Tilt controls and exclusive features like BeamView™ and TiltView™ make it much easier to use than competing radar-capable displays.

Enhances Helicopter Mission Capability

Helicopter operators will appreciate the versatility of the EX600's detailed moving maps and the ability to display Traffic, TAWS, Charts, and Datalink Weather. (EGPWS/TAWS shown)

World-Wide Datalink Weather

International customers will like the EX600's ability to display worldwide satellite-based datalink weather and two-way text messaging when coupled with the Avidyne MLX770 Satellite Datalink Transceiver. (Sat IR shown)

Easy to Update. Easy to upgrade.

NAV and Chart databases are easily updated through the USB port right on the front bezel. (European VFR charts shown) For existing EX500 customers, the EX600 is a pin-for-pin replacement that provides a larger display and adds our unique Map Panning capability.

Specifications

Applicable TSO
- TSO C63c Airborne Weather Radar
- TSO C110a Airborne Passive Thunderstorm Detection
- TSO C113 Airborne Multipurpose Electronic Display
- TSO C118 Traffic Alert & Collision Avoidance (TCAS)
- TSO C147 Traffic Advisory System (TAS)
- TSO C157 Flight Information System - Broadcast (FIS-B)

LCD Viewable Size
- 640x480 pixels (full VGA)
- Diagonal: 5.7" (145mm)
- Width: 4.61" (117mm)
- Height: 3.48" (88mm)

EX600 size (no tray)
- Width: 6.24" (158mm)
- Height: 4.93" (125mm)(front), 4.21" (107mm)(rear)
- Depth: 10.99" (279mm)

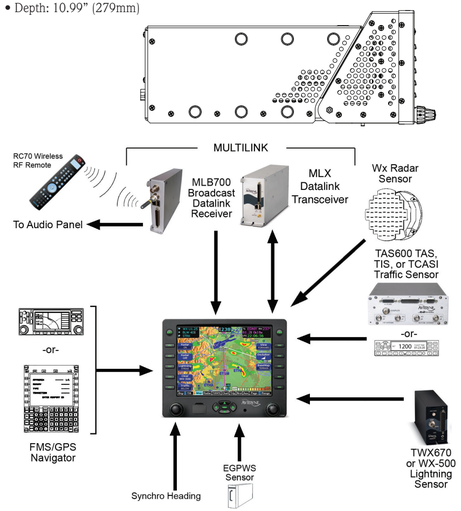
Weight
- 4.75 lbs (2.15 kg)
- Fixed wing Tray - 0.9 lbs (0.41 kg)
- Helicopter Tray - 4.1 lbs (1.86 kg)

Power Requirements
- Max 3.0A @ 28VDC

Environmental
- DO 160E
- To 50,000 ft.
- -20C to +55C Operating
- +70C Short Term

Cooling
- Internal forced air cooling provided

Warranty
- 2 Years parts & labor included
- FlexCare™ Extended warranty service available



The EX600 presents navigation, radar, datalink weather, lightning, traffic, and terrain data in an easy-to-interpret format, dramatically improving situational awareness and enhancing safety through all phases of flight.

Functionality

Datalink Interface
- Avidyne MLB700 Broadcast Datalink Receiver
  - Using WSI InFlight® Aviation Weather & SIRIUS® Satellite Radio
- Heads Up Technologies XMD-076/A
  - Using Baron Services weather & XM® Satellite Radio
- Avidyne MLX770 Two-Way Datalink Transceiver
  - Using Avidyne Weather Services & Text Messaging

Vector-Graphic Moving Map
- Americas Jeppesen NavData®
- International Jeppesen NavData – Optional

GPS/FMS Interface
- Garmin GTN 650/750 Series
- ARINC 429 GAMA Graphics
- RS-232

Heading Interface
- ARINC 407 – Synchro XYZ
- ARINC 429

Electronic Approach Charts
- CMax™ – Jeppesen Electronic Airway Manual Charts
- European VFR Charts
- Airport Diagrams

Lightning Interface
- Avidyne TWX670 Tactical Lightning Detection
- L3 WX-500 Stormscope® Weather Sensor

Traffic Interface
- ARINC 735 & RS-232
- Avidyne TAS600/TAS605/TAS615/TAS620
- Ryan 9900B/9900BX TAS
- Honeywell KTA870/KMH880 TAS/IHAS
- L3 Skywatch 497 /Skywatch HP TAS
- Garmin GTX330 TIS Transponder
- L3 791 TCAS I
- Honeywell CAS66A TCAS I

Terrain Awareness
- Color-Contoured Terrain Base Map Built in
  - Americas Terrain & US Obstacle Data
  - International Terrain Data – Optional

EGPWS/TAWS Interface – Optional (Class B)
- Honeywell MK V, VI, VII, VIII, XXI, XXII
- Honeywell KMH880 IHAS
- Honeywell KGP560/KPG860
- Honeywell MK XXI/MK XXII (HTAWS)

Radar Interface – Optional
- Collins WXR250/270/300
- Bendix RDR130/150/160
- Bendix RDR1100/1200/1300/1400
- Bendix RDS81/82/82VP/84/84VP/86/86VP
- Bendix/King RDR2000/2100

AVIDYNE

55 Old Bedford Road
Lincoln, MA 01773
Tel: +1781.402.7400
800 AVIDYNE
Fax: 781.402.7597
www.avidyne.com

Avionics installations require special skills and test equipment. Avidyne's STC and limited warranty are valid only for equipment installed by an Authorized Avidyne Distributor. Avidyne reserves the right to make changes to product specifications and design features without notice.
Some products may require additional hardware for full feature capability.

©2014 Avidyne Corporation. All rights reserved. AV841 Rev.5

AVIDYNE

EX600

Multi-Function Display

Avidyne's EX600 delivers easy-to-use, datalink-ready multifunction display capability for general aviation airplanes & helicopters.

The Avidyne Advantage

Avidyne is committed to improving situational awareness and safety for general aviation pilots by focusing on developing products that are easier to use. Now, with our new EX600 Multi-Function Display (MFD), Avidyne offers the most feature-rich, pilot-friendly and easiest-to-use multifunction display available.

The EX600's user interface dramatically improves your ability to access and display critical flight data. This design philosophy keeps operation simple and consistent by allowing you to select and display what you need on a single easy-to interpret integrated moving map. As a radar display replacement, the EX600 provides easy access to radar modes, tilt control, and bearing adjust.

With the EX600's "map-centric" operation and our new Map Panning feature, 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. It's the only MFD available that provides the complete picture. And it's the easiest to use.

www.avidyne.com

AVIDYNE

EX600

Multi-Function Display

A World of Weather at Your Fingertips.

See the Whole Picture.

Actual Size

The Best MFD Available

The EX600 keeps you connected with the complete weather picture, allowing you to view datalink graphical weather information that is seamlessly integrated with your flight plan moving map, lightning, traffic, and terrain display.

Bigger, Brighter Display

The EX600 features an all-new, high-resolution, sunlight-readable LED-backlit color liquid-crystal display that provides the brightest, most versatile big-screen display available. With over 40% more pixels than our previous-generation MFD, and an incredibly wide viewing angle, the EX600 provides the look and feel of big-screen MFDs.

CMax™ Electronic Approach Charts

All EX600s include CMax providing a world-wide library of geo-referenced approach charts and airport diagrams that help you manage and access critical flight information and reduce the amount of paper required on board your aircraft.

Utilizing Jeppesen's trusted JeppView™ Electronic Airway Manual, CMax makes accessing an approach or viewing an airport diagram a breeze. At startup, your departure airport chart is automatically loaded for ease of orientation, especially at unfamiliar fields. Your destination airport diagram and the list of available approaches are automatically loaded at the time your flight plan is entered. Charts can also be loaded for nearby airports along your route from the Trip Page using the EX600's Auto-Fill™. Also available with European VFR Charts.

Radar, Datalink Weather & More

Weather is a critical factor in the successful completion of any flight and Avidyne leads the industry in weather avoidance-capable multifunction displays. In addition to interfacing with 20 different on-board weather radar systems, the EX600 also displays color lightning and both broadcast and two-way satellite datalink weather.

Broadcast Satellite Datalink Weather for CONUS

Avidyne's MLB700 Broadcast Datalink Receiver gives pilots comprehensive, graphical information about weather conditions all across the Continental United States (CONUS). Using the industry-leading WSI InFlight® Weather Service via the SIRIUS® Satellite Network, the EX600 displays WSI's exclusive high-resolution NOWrad® radar mosaic, Storm Track Vectors, Hail Warnings, AIRMETs, SIGMETs, graphical and textual METARs, TAFs, Temperatures and Winds Aloft, TFRs, and Lightning from WSI's Precision Lightning Network.

World-Wide Two-Way Satellite Datalink Weather

Internationally, the MLX770 Satellite Datalink Transceiver delivers worldwide satellite-based datalink weather and two-way text messaging for EX600 owners flying anywhere in the world. International weather products include worldwide METARs, TAFs, SAT IR, Lightning, and regionalized NEXRAD radar imagery.

Interfaced with the MLB700, the EX600 displays Storm Track Vectors which show cell height and cell movement including speed and forecasted direction.

Map Panning

With the EX600, Avidyne has added an easy-to-use panning function that allows you to scroll to virtually any point on the map to view weather, airspace, and other points of interest.

Dedicated panning keys make it easy to view any area on the map, especially helpful for viewing weather at your destination. The four directional keys provide precise control, and the center key enables Avidyne's exclusive QuickPan™ feature, which toggles the display between the panned position and your present position. While panning, the map can be zoomed in or out so you can easily see the close-in details or see the whole picture.

Panning along your route of flight, you can see exactly how the weather is looking, allowing you to make strategic decisions that can easily save you time and fuel.

CMax Airport Diagrams

CMax airport diagrams include 6,004 world-wide locations, 5,695 of which are geo-referenced charts, meaning the EX600 MFD can overlay the flight plan and aircraft ownship symbol, making it possible to view the aircraft position directly on runways, taxiways, and ramps. Panning keys allow details of the chart to be shown.

Informative Trip Page

From the Trip Page, you have easy access to vital information, including graphical METARs for all reporting airports and one-button access to CMax approach charts for any airport along your route. Decoded METARs, Textual TAFs, and Winds and Temperatures Aloft can also be viewed at the push of a button.

Unique NRST to Destination Page

In addition to "Nearest to Present Position," the EX600 also provides Avidyne's unique "Nearest to Destination" Page which shows graphical and decoded METARs at the destination and surrounding airports, making it easy to monitor weather ahead and to select an alternate when needed.

Two-Way Text Messaging

When interfaced with the MLX770, you not only get worldwide weather, but you also have the ability to send and receive text messages or emails while flying, allowing you to communicate with someone on the ground via an e-mail connection or compatible SMS-capable mobile telephone.

Wx Radar over Map

In addition to a dedicated radar page like other MFDs offer, the EX600 is the only MFD that can overlay your on-board Wx Radar right on your base map, along with Flight Plan, Terrain, Traffic, SUAs and datalinked weather data such as graphical METARs, SIGMETs, and AIRMETs.

Color Tactical Lightning

The EX600 can also interface with the Avidyne TWX670 to display real-time color lightning overlaid right on the moving map. On-board lightning provides a tactical complement to the strategic benefits of satellite-based datalink weather, and the addition of color provides more meaningful display of critical weather data.