



*MHAS6000
system delivers
moving map,
weather, traffic,
and terrain
avoidance at an
affordable price.*



EX5000
Multifunction Display



EX500
Multifunction Display



TAS600
Traffic Awareness
System



MLB700
Broadcast Datalink
Receiver

TWX670
Tactical Lightning
Detection

Situational awareness is increasingly important when flying in today's crowded airspace and busy ATC environment. That's why Avidyne developed the MHAS6000 Multi-Hazard Avoidance System. The MHAS6000 is a specially-priced safety suite comprised of an EX500 or EX5000 Multifunction Display and any of Avidyne's safety sensors including the dual-antenna TAS600-Series Traffic Avoidance System, the MLB700 Broadcast Datalink Receiver, and the TWX670 Tactical Lightning Detection sensor.

MOVING MAP

The MHAS6000 uses the EX500/EX5000's industry leading moving map to provide pilots with the complete navigation picture including flight plan waypoints, nav aids, airports, color-coded Class airspace and special use airspace. Avidyne's full overlay capability makes it easy to control the presentation of navigation, terrain, weather, and traffic information right on the moving map page.



TRAFFIC

Utilizing the dual-antenna TAS600 with Ryan Active Surveillance (RAS) technology, the MHAS6000 provides the most advanced collision-avoidance protection available. The TAS600 system actively searches for and interrogates other aircraft providing full-time collision avoidance protection even outside radar coverage areas. With three models to choose from, the TAS600 Series allows you to select the traffic system that best suits your needs.

TERRAIN

The EX500 and EX5000 MFDs make it easy to see and avoid terrain hazards. With their color-contoured topographic terrain and water base maps and North American database containing towers and other obstacles greater than 200'AGL, the EX500 and EX5000 present a clear presentation of terrain hazards. The

WEATHER

For staying out of harms way in inclement weather, the EX500 and the EX5000 provides real-time satellite datalink weather updates when coupled with the MLB700 Broadcast Datalink Receiver. Using the industry-leading WSI InFlight® Weather Service via the SIRIUS® Satellite Network, the EX500 and EX5000 display critical, real-time information for pilots, including WSI's exclusive high-resolution NOWRad® radar mosaic, overlaid right on the moving map. The EX500 and EX5000 also display Storm Track Vectors, Hail Warnings, AIRMETs, SIGMETs, graphical and

The TAS600 provides affordable collision avoidance for single-engine piston aircraft, the TAS610 is recommended for mid-performance aircraft and rotorcraft. Our TAS620 is designed for high-performance aircraft and rotorcraft. All TAS600 Series traffic systems include patented dual-directional antennas and Heads-Up Audible Position Alerting™, which tells you where to look: **TRAFFIC! ONE OCLOCK! HIGH TWO MILES!**

Nearest-obstacle feature makes it easy to determine the height and proximity of nearby towers as you descend into any unfamiliar areas. In addition, the EX500 and the EX5000 have the ability to interface with all the popular Enhanced Ground Proximity Warning Systems (EGPWS) for optimum terrain awareness and alerting.

textual METARs, TAFs, Temperatures and Winds Aloft, TFRs, and Lightning from the National Lightning Detection Network®. The EX500 and EX5000 also interface with the Avidyne's TWX670 Tactical Lightning sensor for real-time, on-board lightning detection. With the ability to interface to any of 19 different radar systems, the EX500 and the RDR2000-capable EX5000 offer the most radar interface choices, and typically means you can add all the safety benefits of the MHAS6000 system, without the added expense of replacing your existing radar RT.

MHAS Functionality

Traffic Interfaces

- Avidyne TAS600
- Avidyne TAS610
- Avidyne TAS620

Terrain Awareness

- Color-Contoured Terrain Base Map Built in
 - Americas Terrain & US Obstacle Data
 - International Terrain Data (Optional)

EGPWS/TAWS Interface (Optional)

- Honeywell MK V, VI, VII, VIII
- Honeywell KMH880 IHAS
- Honeywell KGP560

Datalink Interface

- Avidyne MLB700 Broadcast Datalink Receiver – For WSI InFlight® Aviation Weather and SIRIUS® Satellite Radio

EX500 Radar Interface

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

EX5000 Radar Interface

- Bendix/King RDR 2000/2100
- Bendix RDS 81/82/82VP/84/84VP/86/86VP

Lightning Interface

- Avidyne TWX670 Tactical Lightning Detection

Avionics installations require special skills and test equipment. Avidyne's limited warranty is valid only for equipment installed by an authorized Authorized Avidyne Distributor. Avidyne reserves the right to make changes to product specifications and design features without notice. Ryan® is a trademark of Avidyne® Corporation. All other trademarks are the property of their respective companies.



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