

# DFC90

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### Attitude-based Digital Autopilot

**\** 





### DFC90 Digital Autopilot

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The DFC90 adds the precision of an attitude-based flight control system and Avidyne's innovative, safety-enhancing EP® and EA® capability. Includes "Straight & Level" button, Synchronized Heading Bug

From \$9,999.00\*

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VERVIEW

SPECS

COMPATIBILITY

DOCUMENTATION

# Avidyne's DFC90 Attitude-Based Digital Autopilot enhances precision of flight and improves safety for your aircraft.

It has all the standard vertical and lateral modes of operation of a turbine-class autopilot system, including Flight Director (FD), Altitude Hold (ALT), Airspeed Hold (IAS), Vertical Speed Hold (VS), Heading (HDG), and Navigation (NAV, APPR, LOC/GS, GPSS).

Customers upgrading from the STEC 55X will notice several major performance and feature improvements including:

### ATTITUDE-BASED

Greatly improved stability due to the use of attitude data to control the autopilot inner control loops. This is particularly evident and important when tracking an ILS to minimums in windy conditions.

### EP® - AVIDYNE'S ENVELOPE PROTECTION.

Prevents autopilot-induced stalls and overspeeds—which have previously been a major contributing factor in GA accidents—when the autopilot is engaged. EP also provides visual and aural warnings to the pilot.

### EA® - AVIDYNE'S ENVELOPE ALERTING

Available lift and speed margins are calculated constantly in the background, providing visual and aural warnings to the pilot when the aircraft is nearing its normal flight parameters, even when the autopilot is off.

# "STRAIGHT & LEVEL" BUTTON Recovers the aircraft from unusual attitudes. Overrides all autopilot modes and levels the aircraft in both pitch and roll from a wide range of capture

attitudes for an added measure of safety. S&L button provides added peace of mind—especially for non-pilot in right seat (i.e. Cirrus Parachute).

# INDICATED AIRSPEED HOLD (IAS) New vertical mode includes a dedicated Airspeed knob and a new airspeed bug on the PFD. Provides constant speed flight level changes.

**ENHANCED FLIGHT DIRECTOR**Capability of the DFC90 is vastly improved and greatly improves the ability to hand-fly approaches.

### SYNCHRONIZED HEADING BUG

With the DFC90, turns are commanded in correlation with the spin of the heading knob. In other words, you can make the autopilot do a right-hand 270 degree turn if you spin the heading knob right 270 deg.

There are many other improvements, such as a dedicated Vertical Speed knob, pitch hold mode, wide autopilot engagement, additional annunciations in PFD 8.0, a dedicated GPSS button, automatic Back Course Approach selection, multiple color annunciations to indicate armed and active states, intercept mode annunciations, and Avidyne's hallmark ease of use.

### RELATED PRODUCTS





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# **AMX240**

### Audio Panel with Stereo Intercom



### AMX240 Audio Panel for General Aviation

The AMX240 is a full-featured audio source selector panel, intercom, and Marker Beacon receiver that provides outstanding features and sound quality, while incorporating Avidyne's legendary "Flying Made Simple" user interface.

From \$2,399.00\*

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FMS/GPS nav category page

FMS/GPS nav category page

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DFC90 Auto Pilot page

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DFC90 Auto Pilot page

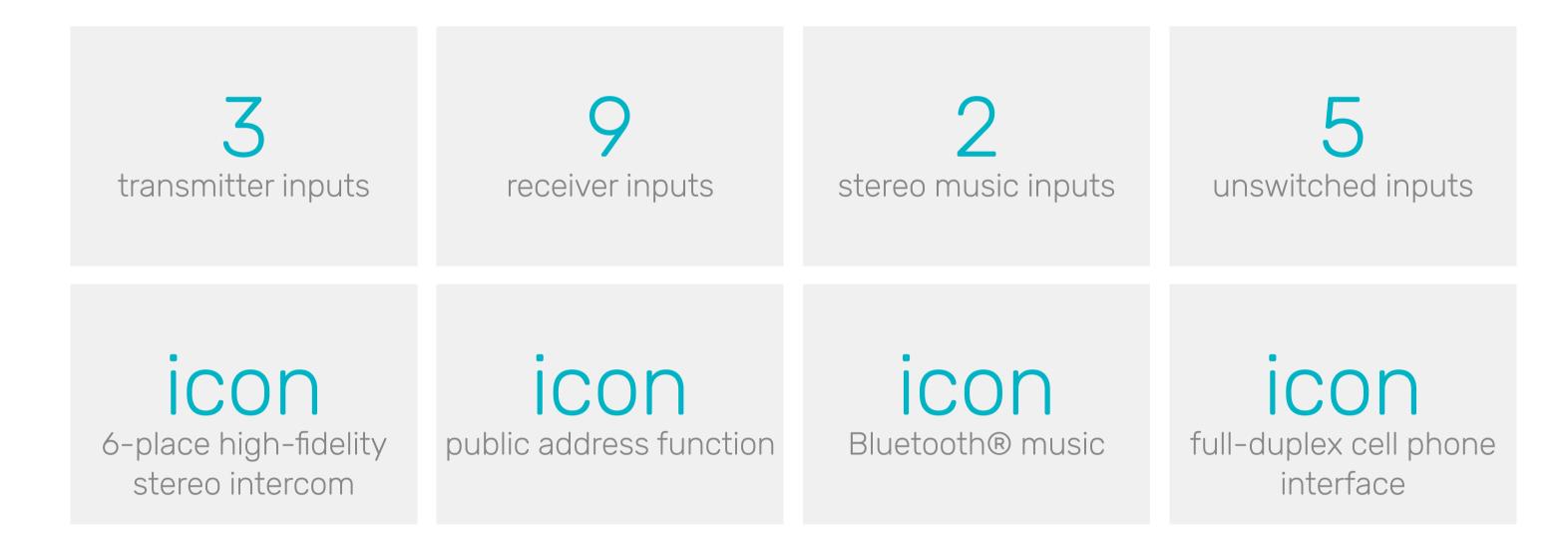
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SPECS **OVERVIEW** DOCUMENTATION

Avidyne's AMX240 Audio Panel for General Aviation provides the latest features in audio management for general aviation aircraft in a simple, easy-to-use design.

The AMX240 is a full-featured audio source selector panel, intercom, and Marker Beacon receiver that provides outstanding features and sound quality, while incorporating Avidyne's legendary "Flying Made Simple" user interface. Large, easy-toread, LED backlit buttons provide simple mode selection and at-a-glance annunciation of your current audio and intercom configuration.

Supporting three transmitter inputs, nine receiver inputs, plus two inputs for stereo music and five unswitched inputs, the AMX240 also features a six-place high-fidelity stereo intercom, public address (PA) function, plus Bluetooth® music and fullduplex cell phone interfaces.



Squitter ModeS Transponder.

The AMX240 represents the state of the art in audio management and it is designed to make your flying simpler.

Dual radio monitor capability allows the pilot to listen to Standby frequencies on the IFD-Series VHF radios.

A dedicated Replay button provides a "say again" function that repeats previous ATC communications, and a dedicated Split button allows the pilot to transmit on Com 1 while the Copilot transmits on Com 2.

The AMX240 is a perfect complement to Avidyne's Entegra Release 9 and the new panel-mounted radio stack, which also includes the IFD540 and IFD440 FMS/GPS/NAV/COMs and AXP340 ADS-B Extended

The AMX240 is a slide-in replacement for the GMA340 audio panel, making it a great choice for upgrades, as well as for new installations.

# **SIX-PLACE AUDIO INTERCOM WITH ISOLATION**

The AMX240 features a pilot-selectable stereo or mono, six-place intercom system with automatic voiceactivated (VOX) squelch for each mic input.

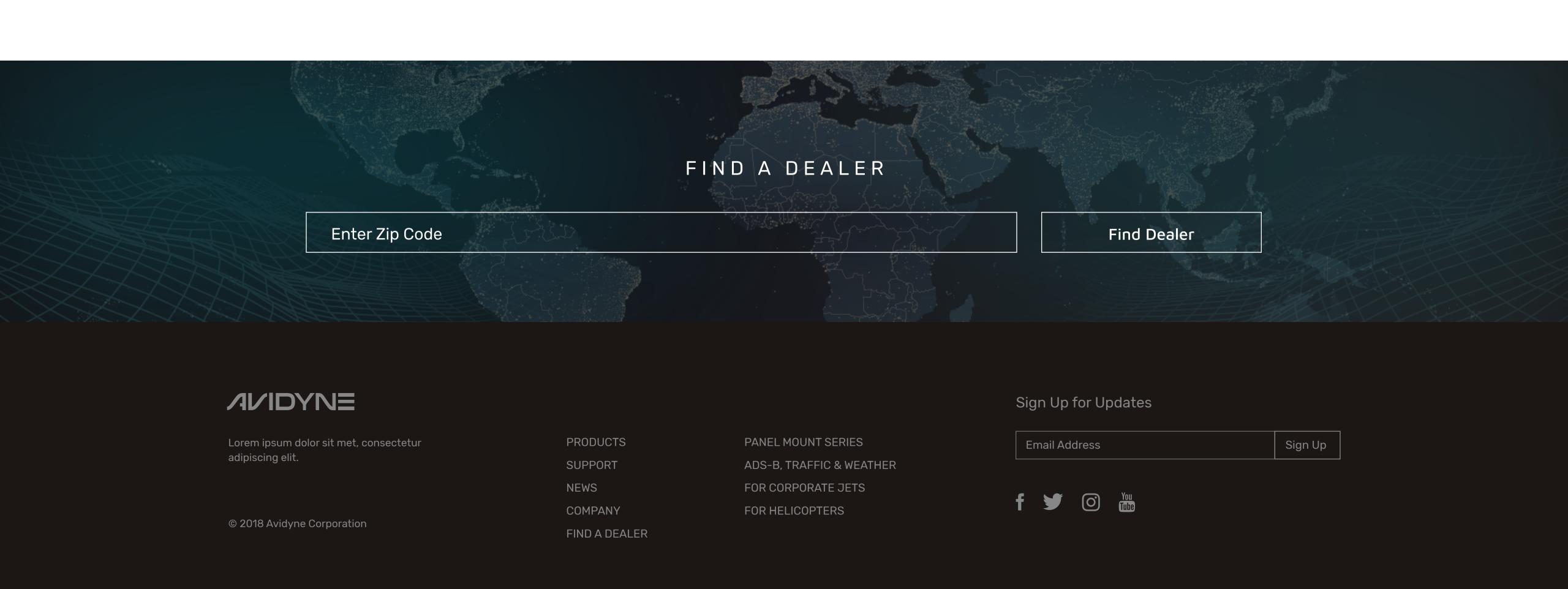
Pilot, crew, and passenger isolation settings are easily selectable with a single dedicated button, and are graphically displayed for clear mode annunciation. Crew Isolated selected.

Dedicated knobs for Pilot, Copilot and Passenger intercom volumes allow for full customization for personal preferences without relying on headset volume controls. Pilot Isolated selected.

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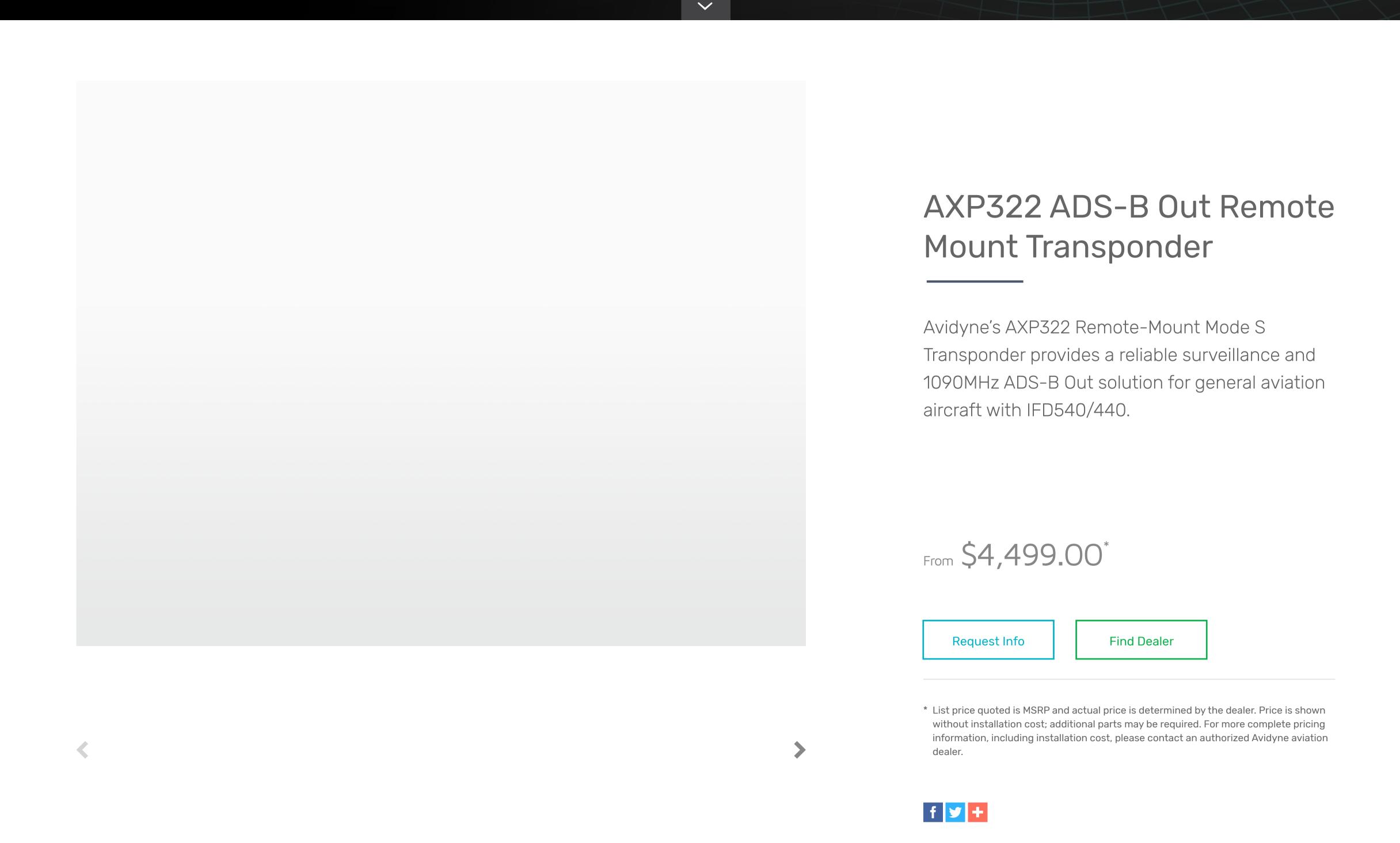




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# AXP322

# ADS-B Out Remote Mount Transponder



IFD550 IFD440 IFD550 IFD440 Learn More Learn More

> **OVERVIEW** SPECS COMPATIBILITY DOCUMENTATION



### **AXP322 REMOTE-MOUNT MODE S TRANSPONDER W/ADS-B OUT**

The AXP322 transponder is a remote-mounted Class 1 Mode S Level 2 Datalink Transponder, with support for 1090MHz Extended Squitter (ES), that meets all the current requirements for Mode S elementary surveillance transponders for both IFR and VFR



### **MEETING THE MANDATE FOR ADS-B**

The AXP322 also supports the latest Version 2 1090 MHz Automatic Dependent Surveillance Broadcast (ADS-B) Extended Squitter, known as "ADS-B out". Equipping with ADS-B Out will be required in most U.S. airspace by 2020. The AXP322, when coupled with the Avidyne IFD540 or IFD440 transmits position information to appropriately-equipped ground stations and other aircraft. This provides improved airborne surveillance, provides vital information for airport ground surveillance, and is a key feature of future airspace plans in the U.S. and internationally.



# YOUR 1090MHZ ADS-B SOLUTION

The AXP322 remote transponder provides full ADS-B surveillance capability to meet the upcoming mandates for flight above and below FL180 in the U.S. and internationally. It transmits the required ADS-B Out signals including your aircraft's GPS-derived position via 1090MHz, along with ground track, ground speed and altitude information. Add in Avidyne's SkyTrax100 978MHz ADS-B Receiver and you will be able to receive FIS-B weather and ADS-B/ADS-R traffic for optimal situational awareness and safety.



The pop-up keypad makes it easy for pilots to change modes, set squawk codes, and Ident the AXP322 using the touch screen on the IFD540 or IFD440.

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# AXP340

# ADS-B Out Class 1 Mode S Level 2 Datalink Transponder



### AXP340 ADS-B Out Panel **Mount Transponder**

The AXP340 transponder is a panel-mounted Class 1 Mode S Level 2 Datalink Transponder, with support for 1090MHz Extended Squitter (ES), that meets all the current requirements for Mode S elementary surveillance transponders for both IFR and VFR flight.

From \$2,999.00\*

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### SkyTrax 600 Series

SkyTrax 600 Series

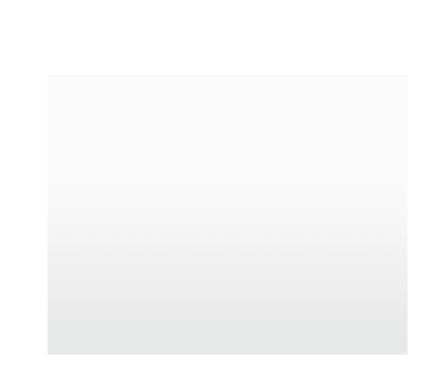
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### THE MODE S ADVANTAGE

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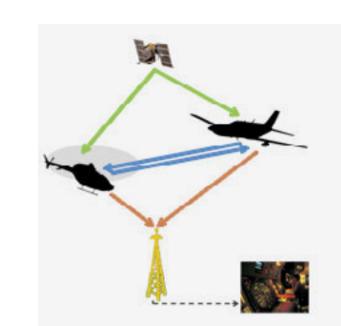
**OVERVIEW** 

The AXP340 delivers 240 Watts of transmitter power, and responds to both legacy Mode A/C interrogations and to Mode S interrogations from both ground radar and airborne collision avoidance systems. In the Mode S environment (S stands for Select), a Mode S interrogator can selectively address a single transponder. This allows accurate position plotting with lower reply rates, which in turn reduces frequency congestion and interference.

COMPATIBILITY



As a slide-in replacement for existing KT76A/KT78A transponders, the AXP340 is designed to easily upgrade existing Mode A/C equipment to Mode S, while adding additional functionality like a Direct-entry Numeric Keypad, Pressure Altitude & GPS Lat/ Lon readout, Flight ID entry, one-touch VFR code entry, an easy-to-use Stop Watch Timer, Flight Timer, and Altitude Alerter.



# **MEETING THE MANDATE FOR ADS-B**

The AXP340 also supports the latest Version 2 1090 MHz Automatic Dependent Surveillance Broadcast (ADS-B) Extended Squitter, known as "ADS-B out". Equipping with ADS-B Out will be required in most U.S. airspace by 2020. The AXP340, when linked to a suitable GPS receiver, transmits position information to appropriately-equipped ground stations and other aircraft. This provides improved airborne surveillance, provides vital information for airport ground surveillance, and is a key feature of future airspace plans.



# YOUR 1090MHZ ADS-B SOLUTION

Coupled with any of Avidyne's SkyTrax600A ADS-B capable Traffic Advisory Systems, the AXP340 provides full ADS-B surveillance capability to meet the upcoming mandates for flight internationally and above and below FL180 in the U.S. The AXP340 transmits the required ADS-B Out signals including your aircraft's GPS-derived position, along with ground track, ground speed and altitude information. The SkyTrax600A provides ADS-B In, allowing you to receive the ADS-B signals from ground radar and from other 1090MHz ADS-B - equipped aircraft and display both ADS-B and non-ADS-B traffic



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# SkyTrax Series

### Traffic Alerting Systems



### SkyTrax Traffic Alerting Systems

The dual-antenna SkyTrax Series, ADS-B capable Traffic Advisory Systems featuring VeriTAS™. SkyTrax offers affordable, high performance active surveillance traffic detection. SkyTrax systems are fully TSO certified with better performance capabilities of many higher-cost traffic systems.

From \$5,000.00\*

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Traffic Advisory Systems (TAS), which are based on the technology originally developed for air-transport category traffic alert and collision avoidance systems (TCAS), have been available for general aviation aircraft for several years, but have been costprohibitive for many owner-flown aircraft. Until now.

With the new dual-antenna SkyTrax Series, Avidyne offers three different TAS systems (SkyTrax605A, SkyTrax615A and SkyTrax620A more), tailored for the type of aircraft you fly. These feature-rich, value-priced SkyTrax systems are fully TSO certified, surpassing the performance capabilities of many higher-cost traffic systems and setting a new standard for activesurveillance traffic capability and affordability.

Avidyne's dual-antenna SkyTrax 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, SkyTrax systems actively interrogate other aircraft, providing timely audible and visual alerts with the precise location of conflicting traffic. The dualantenna SkyTrax Series provides full-time protection and higher performance. Because when it comes to safety, you want to see the whole picture

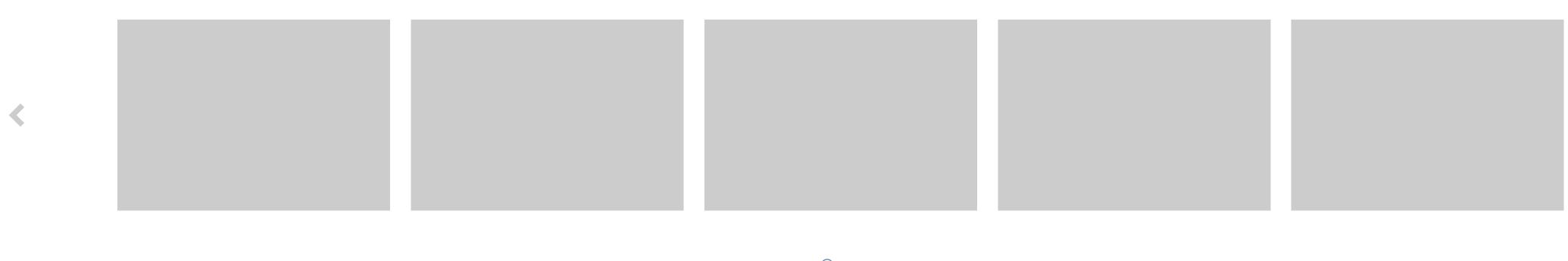
# SkyTrax Series Features and Capabilities

	SkyTrax600	SkyTrax605A	SkyTrax615A	SkyTrax620A
	(SkyTrax600*)	(TAS605A)	(TAS615A)	(TAS620A)
TAS Display Range	7nm	13nm	17nm	21nm
ADS-B Display Range	7nm*	20nm	30nm	40nm
Vertical Range	±3,500	±5,500	±5,500	±10,000
Altitude Limit	18,500	55,000	55,000	55,000
ARINC 429 Heading Input*	No	Yes	Yes	Yes
Max Number of Targets Displayed	30	30	30	30
Number of Targets Tracked	50	50	50	50
Active Interrogation	Yes	Yes	Yes	Yes
WAAS GPS Position Input	Yes*	Yes	Yes	Yes
Correlation of Active+Passive Targets	Yes*	Yes	Yes	Yes

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# ADS-B SkyTrax100

978MHz ADS-B Solution



### ADS-B SkyTrax100 978MHz ADS-B Solution

Avidyne's ADS-B SkyTrax100 provides affordable ADS-B solutions for general aviation aircraft equipped with Avidyne IFD440/540 systems and EX-Series MFDs<sup>1</sup>

From \$2,499.00\*

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### 978MHz ADS-B Solutions for Whatever You Fly

Using the 978MHz datalink frequency band, which is one of two channels available to pilots in the United States airspace for ADS-B, Avidyne's SkyTrax100 Receiver provides Flight Information System-Broadcast (FIS-B) weather information, including NEXRAD radar, METARs, TAFs, AIRMETs, SIGMETs, Special Use Airspace (SUA), and Temporary Flight Restrictions (TFRs). The SkyTrax100 will also receive traffic information<sup>2</sup> directly from nearby 978MHz-equipped aircraft, and indirectly through the rebroadcast of 1090MHz-equipped aircraft via 978MHz ADS-R. Traffic information from aircraft not participating in ADS-B is received from ground stations via 978MHz TIS-B transmissions (Traffic Information Service-Broadcast).

2 Depending on your display configuration. Contact Avidyne for more information, as the list of approved displays is currently being expanded via certification. ADS-B Traffic Displayed on the IFDX40 requires 10.1 Software 3 The MLB & MLX series have the ability to display ADS-B Wx on multiple display.

### **SkyTrax100 Features & Capabilities**

Receives ADS-B Weather On 978MHz (ADS-B IN) YES

Receives ADS-B/R Traffic On 978MHz (ADS-B IN) YES

Display Port For ADS-B Traffic (ARINC429) TIS-B YES Display Port For ADS-B Weather (RS232) FIS-B\*\* YES

2nd Display Port For ADS-B Weather (RS232) FIS-B\*\* YES

Has An Internal WAAS GPS N/A

Requires An Approved WAAS GPS Source For ADS-B OUT N/A

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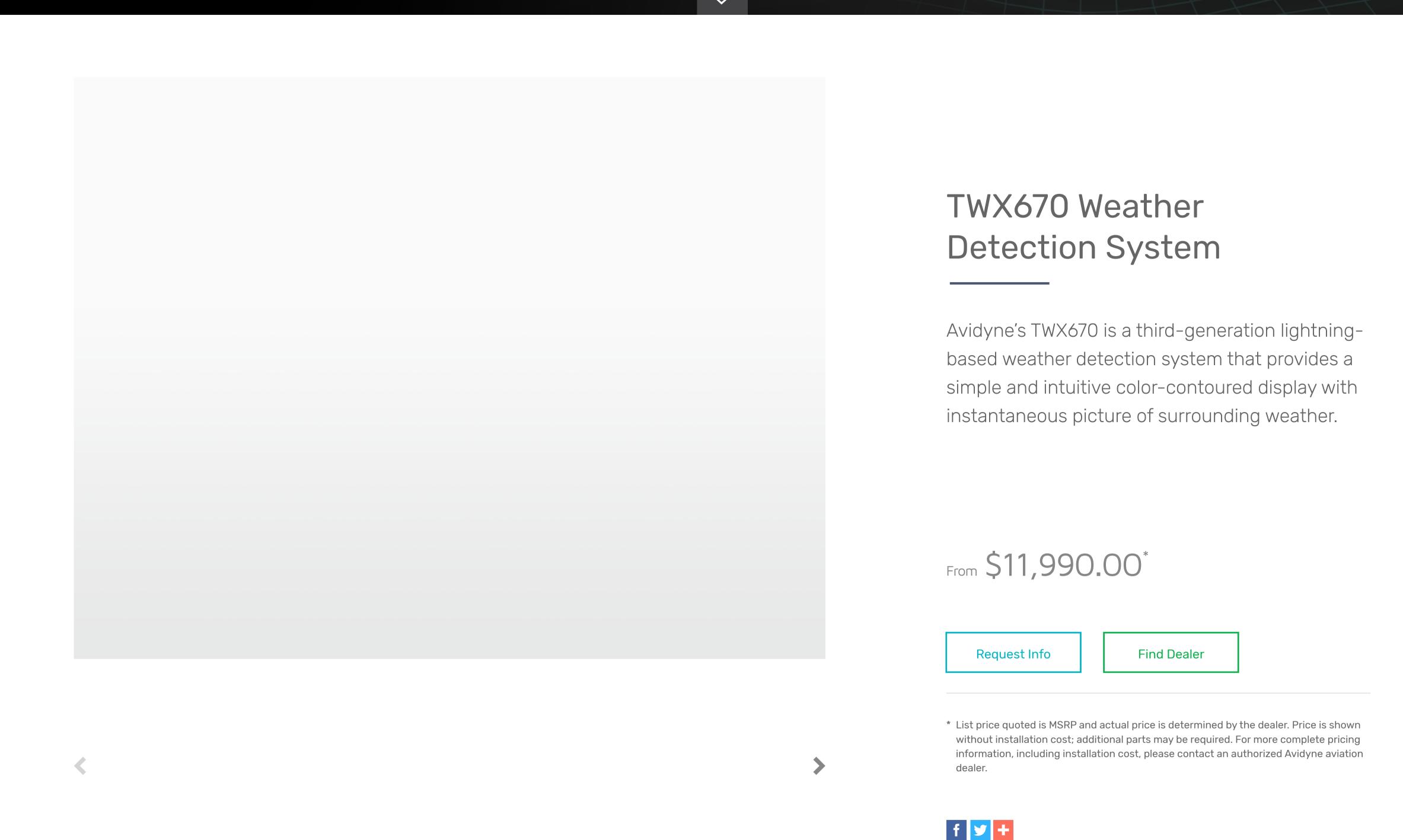
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# TWX670

### Tactical Weather Detection





### Great Accuracy Means Truly Tactical Weather Detection

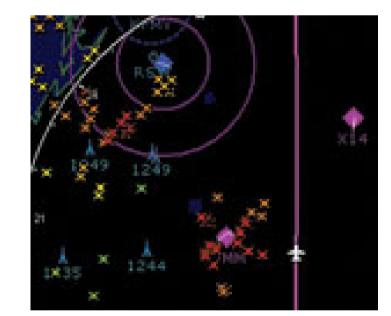
The TWX670 is the first and only lightning-based, real time, tactical, color weather avoidance solution. It accurately detects and clearly displays electrical discharges- the primary indicator of thunderstorms-in real time, regardless of aircraft maneuvering. With its significantly-improved accuracy over previous-generation lightning detection systems, the TWX670 provides true tactical weather avoidance in the critical 0 - 25nm range, making it a perfect complement to the strategic benefits of satellite-based datalink weather.



### TWxCell Mode™

With the TWX670's color-contoured TWxCell Mode, pilots can identify the most intense regions of storm activity. Color-filled hexagons present a visually contoured color display with dynamic sectors.

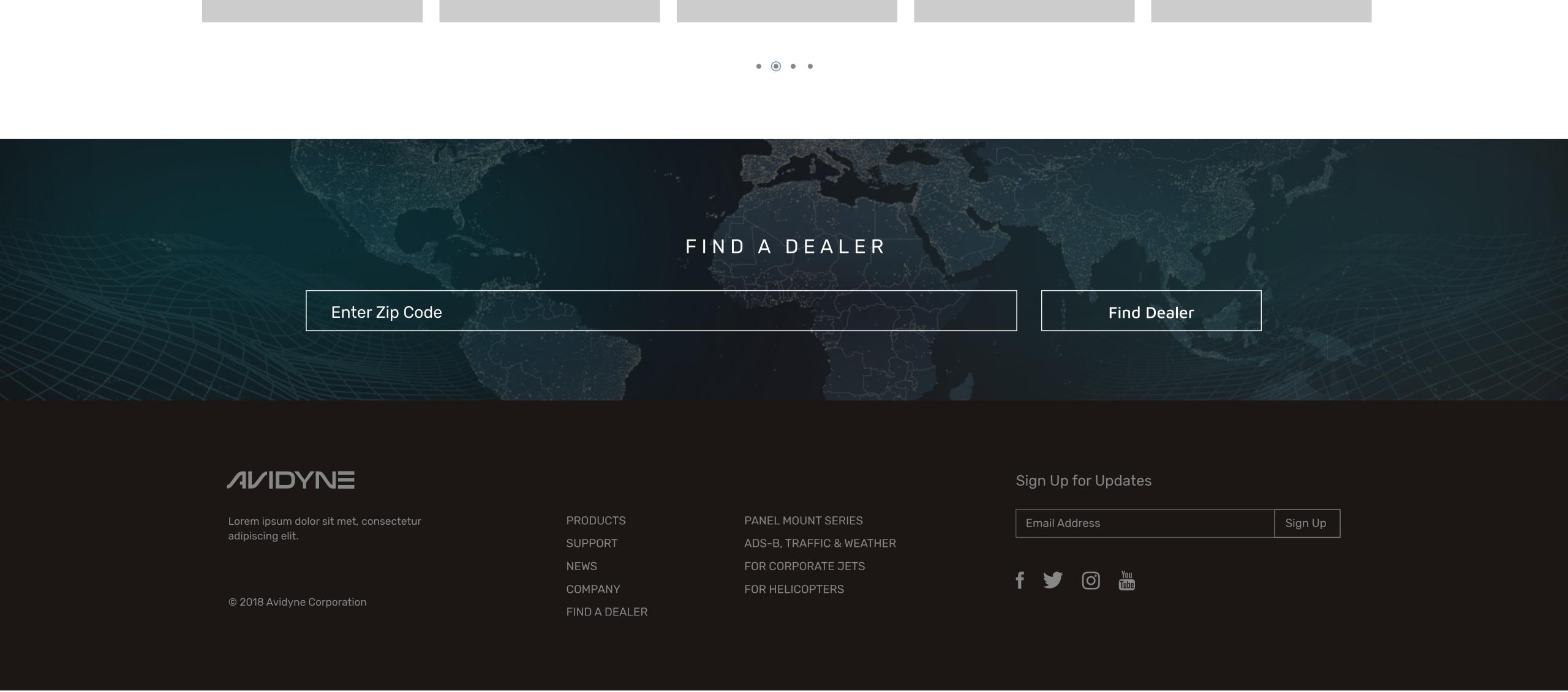
The TWX670 combines the data of all lightning activity occurring over a running threeminute period, regardless of the number of strikes. This provides a meaningful dynamic map of the lightning discharge rate and density for immediate visual acquisition of critical information. With the TWX670, there's no need to spend time observing discrete events to determine the level of thunderstorm activity.



### Strike Mode

In Strike Mode, up to 1024 strikes are displayed for up to 3 minutes. Each transmitted strike includes range, bearing, and weight (color). Regional activity, not age, determines the strike color. Strikes that are more recent but further away cannot "drown out" flashes that are closer and less recent. This provides a level of comfort to pilots transitioning from less capable systems. Color enhancement helps to identify areas of high intensity while still providing a view of the discrete events.

### RELATED PRODUCTS



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# IFD440 **GPS Navigator**









# IFD440 GPS Navigator

The IFD440 is a compact, yet powerful FMS/GPS NAV/COM for general aviation. As a direct slidein upgrade, the IFD440 can be installed using the same tray and connectors as the GNS 430. Easyto-use touchscreen interface with knobs and buttons including WiFi/Bluetooth® capabilities.

From \$11,990.00\*

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**FUNCTIONALITY** 

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### The popular IFD440 is a powerful, full featured FMS/GPS navigator in a neatly designed package.

Featuring most of same functionalities as the IFD540, the IFD440 boasts a simple-to-use Page and Tab touchscreen interface with knobs and buttons, synthetic vision and WiFi/Bluetooth capabilities. Avidyne's full line of IFDs were designed for easeof-use, especially during single-pilot IFR operations. As avid and enthusiastic pilots, the people at Avidyne understand the importance of workload reduction and simplicity of operation.

### **HYBRID TOUCH: TOUCHSCREEN WITH KNOBS AND BUTTONS.**

Avidyne's exclusive Hybrid Touch interface, touchscreen with knobs and buttons, allows you access to any page in the system within two clicks, turns or a simple push of a button. When touchscreen can become cumbersome in turbulent weather, knobs and buttons allow you to manage your mission quickly and easily.

# **SIMPLE FLIGHT PLANNING**

Flight planning has never been more simple. Drop down menus are logically placed to provide easy data entry of airways, exit points, destinations and approach procedures. To make flight planning even easier, the IFD440 can automatically create userdefined waypoints.

FMS PREVIEW™ is a powerful flight planning features that allows you to load flight plans by showing you a real-time graphical depiction of each proposed modification in cyan prior to the selection. Visualize a desired waypoint, airway, hold or hold geometry, Direct To, approach, approach transition or any other terminal procedure before selection.

The convenient 'rubber banding' feature allows you to stretch any leg in the flight plan to easily deviate for weather or to accommodate an amendment from ATC.

# SYNTHETIC VISION: IMPROVED SITUATIONAL AWARENESS.

All IFDs, including the IFD440, are equipped with Avidyne's enhanced 3D Synthetic Vision (SVS) for improved situational awareness. SVS is fully integrated and requires no additional boxes or wires.

3D TERRAIN - Terrain Awareness (SVS-TA) is provided via terrain coloration, providing visual Caution-Warning Alerting System (CAS) alerts and aural alerts terrain hazard awareness and alerting.

FLTA- Forward Looking Terrain Alerting (FLTA) alerting provides an extra measure of safety by displaying a solid yellow or red impact point based on projected flight path in the event that a collision with terrain is projected. FLTA also provides visual CAS messaging & aural alerting. (Optional on the IFD440)

3D OBSTACLES - Standard high, low and grouping symbology is used to clearly depict obstacles on the SVS display.

3D Traffic uses standard traffic symbology with traffic depictions indicating relative threat level by their size and relative altitude and bearing. As traffic draws nearer to you, the traffic symbols grow in size on the IFD.

AIRPORT FLAGS - Airfields are depicted with a METAR-style flag when in field of view. With valid METAR data from your datalink, airfield flags will be color-coded to represent the ceiling and visibility, consistent with the moving map presentation.

# **WIRELESS CONNECTIVITY**

All IFDs are equipped with WiFi and Bluetooth capabilities. When enabled, the IFD440 easily connects to your iPad and the MK10 wireless keyboard providing pilots a convenient way to remotely operate the IFD system.

Open wireless connectivity to flight planning and mapping applications such as Avidyne's IFD100 App, ForeFlight® Mobile, FlightPlanGO®, Seattle Avionics FlyQ®, AvPlan® EFB, Jeppesen® Mobile Flight Deck, Cloud Ahoy®, and AeroGlass®

# **IFD100 IPAD APPLICATION**

planning has never been simpler. Not only does the IFD100 mirror the functions the IFD440 but acts as additional instance. Load, change and manage your flight plan right from your iPad. Monitor your map for weather and traffic, and view pages independently. The IFD100 display will give you big glass capabilities at a fraction of the cost.

Want big glass in your cockpit? Avidyne's exclusive IFD100 application turns your iPad into another instance of your IFD! Flight

	IFD550	IFD545	IFD540	IFD510	IFD440	IFD410
FMS/GPS	X	X	X	X	X	X
VHF NAV	X		X		X	
VHF COM	X		X		X	
3D SVS	X	X	X	X	X	X
ARS + Dynamic SVS	X	X				
WiFi/BT/FLTA	X	X	X	X	Opt	Opt
Radar	Opt	Opt	Opt	Opt	From 5-Series	From 5-Series
Video	Opt	Opt	Opt	Opt	From 5-Series	From 5-Series

# Long Garmin page

https://www.avidyne.com/landing/ifd540/440-650-compare.asp

# Garmin Chart

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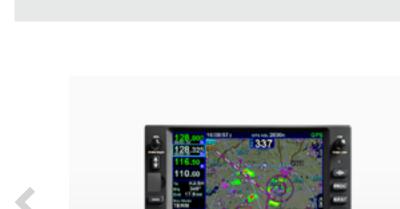
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# IFD540

# FMS/GPS Navigator









# IFD540 FMS/GPS Navigator

The IFD540 features a 5.7" touchscreen Page & Tab interface, knobs and buttons, Synthetic Vision, WiFi/Bluetooth, CMax ™ Jeppesen Electronic Charts and more. It's simple navigation right at your fingertips.

From \$15,999.00\*

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## IFD540: The most intuitive FMS/GPS navigator for your aircraft.

Avidyne's IFD540 is a 5.7" powerful, touchscreen navigator with all the benefits and features the IFD Series has to offer. Not only does the IFD540 feature Avidyne's signature Hybrid Touch , Page & Tab interface with 3D synthetic vision and SBAS/LPV precision, it also includes CMax ™ Approach Charts and Airport Diagrams.

Utilizing Jeppesen's Jeppview® charts subscription services, CMax provides worldwide approach charts and a database of over 6,000 airport diagrams, most of which are geo-referenced, allowing for the display of your township and flight plan position right on the chart or airport diagram. The IFD540 also supports optional European VFR (Bottlang) Charts for over 2,200 airports in 29 European countries.

(Image: IFD540 with Jepp Charts)

### FMS Preview™

Avidyne's exclusive FMS Preview is a powerful flight planning feature that makes it even more intuitive to load flight plans by showing you a real-time graphical depiction of each proposed modification in cyan prior to selection. FMS Preview makes it easy to visualize before selecting a desired waypoint, airway, hold or hold geometry, Direct-To, approach, approach transition and any other terminal procedures.

FMS Preview also allows you to view each of the available approaches graphically prior to selection. Unlike previous generation navigators, the Avidyne IFDs allow you to quickly load any number of destination airports and multiple approaches into your flight plan.

Graphical flight planning capability allows for easy editing of your flight plan with the touch of the screen. The convenient 'rubber banding' feature on the IFD540 allows you to stretch any leg in the flight plan to easily deviate for weather or to accommodate an amendment from ATC.

(Image: "Rubber banding", reference the current IFD webpage. Graphical Flight Planning)

# Working Together

The IFD540 when paired with the IFD440 or in any combination, leverage Avidyne's Byteflight databus architecture for crosscommunication. In dual installations, the dual-databus architecture allows pilots to enter the flightplan on the familar QWERTY keyboard of one unit, while viewing the Map on the other.

The QWERTY keyboard automatically appears when an alpha-numeric data field is highlighted, making data entry as familiar to you as your computer or smart phone.

# Avidyne's GeoFill ™ Technology

GeoFill™ intelligently predicts the next waypoint entry, not based on its order in the database, but on its proximity to your current location or the previous waypoint in your flight plan. The IFD540 auto fills the remaining characters in the entry based upon distance from the current position, avoiding the need to go through "bad" choices to get to the desired entry. This feature dramatically reduces the number of pilot actions. GeoFill can reduce data entry by as much as 75%, reducing head-down time, and ultimately increasing efficiency and safety. GeoFill is available on all IFDs.

Synthetic Vision: Improved situational awareness

All IFDs are equipped with Avidyne's enhanced Synthetic Vision (SVS) for improved situational awareness. SVS is fully integrated and requires no additional boxes or wires.

(CAS) alerts and aural alerts terrain hazard awareness and alerting.

3D Terrain - Terrain Awareness (SVS-TA) is provided via terrain coloration, providing visual Caution-Warning Alerting System

FLTA- Forward Looking Terrain Alerting (FLTA) alerting provides an extra measure of safety by displaying a solid yellow or red impact point based on projected flight path in the event that a collision with terrain is projected. FLTA also provides visual CAS messaging & aural alerting.

3D Obstacles - Standard high, low and grouping symbology is used to clearly depict obstacles on the SVS display. 3D Traffic uses standard traffic symbology with traffic depictions indicating relative threat level by their size and relative altitude

and bearing. As traffic draws nearer to you, the traffic symbols grow in size on the IFD.

airfield flags will be color-coded to represent the ceiling and visibility, consistent with the moving map presentation.

Airport Flags - Airfields are depicted with a METAR-style flag when in field of view. With valid METAR data from your datalink,

Wireless Connectivity

With built-in WiFi and Bluetooth, the IFDs feature a number of ways for you to control your unit. Avidyne's IFD100 tablet application gives pilots a full display and complete wireless remote control of their panel-mounted IFD

System. The Avidyne MK10 wireless keyboard provides a convenient way for pilots to remotely control their IFD System.

Open wireless connectivity to flight planning & mapping applications such as ForeFlight® Mobile, FlightPlanGO®, Seattle Avionics FlyQ®, AvPlan® EFB, Jeppesen® Mobile Flight Deck, Cloud Ahoy®, and AeroGlass®

	IFD550	IFD545	IFD540	IFD510	IFD440	IFD410
FMS/GPS	X	X	X	X	X	X
VHF NAV	X		X		X	
VHF COM	X		X		X	
3D SVS	X	X	X	X	X	X
ARS + Dynamic SVS	X	X				
WiFi/BT/FLTA	X	X	X	X	Opt	Opt
Radar	Opt	Opt	Opt	Opt	From 5-Series	From 5-Series
Video	Opt	Opt	Opt	Opt	From 5-Series	From 5-Series

Garmin Chart

AVIDYNE

https://www.avidyne.com/products/ifd/ifd540-value-compare.html

# IFD550

### Premium FMS/GPS Navigator









# IFD550 Premium FMS/GPS Navigator

Avidyne's top-of-the-line FMS/GPS Navigator, the IFD550 combines the latest touchscreen WAAS/ SBAS/ GPS/VHF navigation and communication with 3D SVS technology.

From \$19,999.00\*

Find Dealer Request Info

\* List price quoted is MSRP and actual price is determined by the dealer. Price is shown without installation cost; additional parts may be required. For more complete pricing information, including installation cost, please contact an authorized Avidyne aviation dealer.

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### Money Back Guarantee!

Avidyne is so confident that you will love the IFD series unit, we will give you 30 days to try it out. If you don't like it, your money will be

Learn More

### IFD100 App simulator download

Verbiage about the IFD100 App, CTA to download simulator

COMPATIBILITY

FUNCTIONALITY

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DOCUMENTATION

SPECS

Our Fully Featured Premium IFD: Avidyne IFD550

**OVERVIEW** 

Avidyne is renown in aviation circles for our innovative products and it's no secret that safety and ease of use are true hallmarks of all Avidyne products. With the new top-of-the line IFD550, Avidyne combines our latest in touchscreen, WAAS/SBAS GPS/ VHF navigation and communication along with stunning 3D synthetic vision technology to deliver the most powerful and capable touch-screen, panel-mounted navigator ever made.

### **IFD550 - KEY FEATURES**

The IFD550 has all the features and functionality of the other IFD FMS systems, including touchscreen with knobs and buttons, Page & Tab user interface, GeoFill™ automatic waypoint nomination, and easy Airway flight planning. The difference is an added integrated Attitude Reference System (ARS) that detects changes in pitch & roll. The IFD550 also provides stunning full color, "exocentric" (in-trail) SVS.

3D TERRAIN & FLTA - Terrain Awareness (SVS-TA) is provided via hashed coloration of terrain. Textual and aural alerts are provided for terrain hazards. Forward Looking Terrain Alerting (FLTA) provides an extra measure of safety by displaying a solid yellow or red impact point based on projected flight path in the event that a collision with terrain is projected. FLTA also provides visual CAS messaging & aural alerting.

AIRPORT FLAGS - Airfields are depicted with a METAR-style flag when in field of view. With valid METAR data from your datalink, airfield flags will be color-coded to represent the ceiling and visibility, consistent with the moving map presentation.



At the heart of the IFD550's synthetic vision system, is Avidyne's fully-integrated, NextGen MEMS-Gyro ARS sensor that senses pitch and roll (IMAGE: hand holding MEMS-Gyro. reference https:// www.avidyne.com/products/ifd/ifd550.htm)

The Avidyne IFD550 is a direct replacement for the GNS 530. As a direct replacement you can get a best in class FMS/GPS for less in installation costs and downtime.



The IFD545 (IMAGE: IFD545 grey bezel, pull from CJ1+ sell sheet)

The IFD545 has all the same FMS/GPS functionalities as the IFD550 but without VHF navigation and communication. The IFD545 features ARS and Dynamic SVS, including WiFi/Bluetooth ®, FLTA and more.

	IFD550	IFD545	IFD540	IFD510	IFD440	IFD410
FMS/GPS	X	X	X	X	X	X
VHF NAV	X		X		X	
VHF COM	X		X		X	
3D SVS	X	X	X	X	X	X
ARS + Dynamic SVS	X	×				
WiFi/BT/FLTA	X	X	X	X	Opt	Opt
Radar	Opt	Opt	Opt	Opt	From 5-Series	From 5-Series
Video	Opt	Opt	Opt	Opt	From 5-Series	From 5-Series

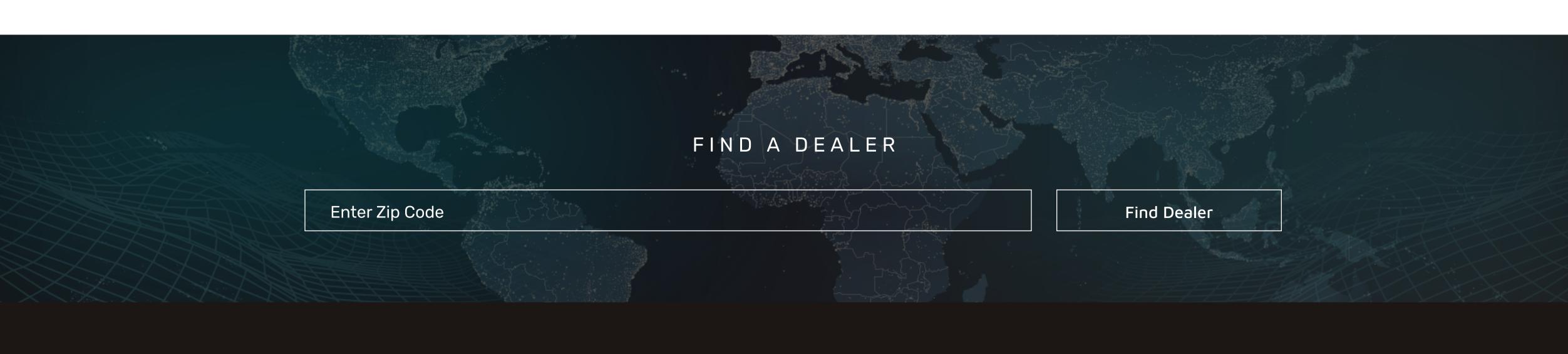
# Garmin Chart

https://www.avidyne.com/products/ifd/ifd550-value-compare.html

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