



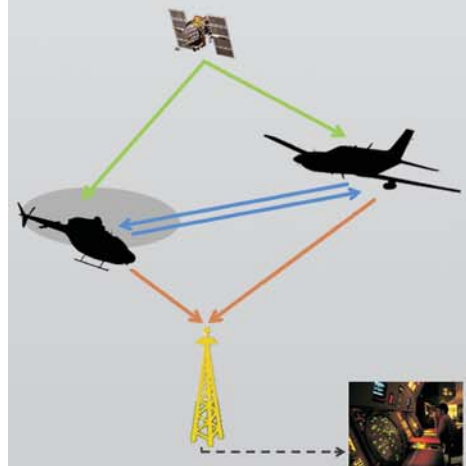
*Avidyne's AXP322 Remote-Mount Mode S Transponder provides a reliable surveillance and 1090MHz ADS-B Out solution for general aviation aircraft with IFD540/440.*

### 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 flight. It is designed to be controlled using an Avidyne IFD540 or IFD440 GPS/NAV/COM.

### 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.



# THE AXP322 PROVIDES ADS-B OUT CAPABILITY TO MEET THE MANDATE AND TO ENHANCE THE SAFETY OF YOUR AIRCRAFT.



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.

## SPECIFICATIONS

### Dimensions

- Width: 2.68" (68mm)
- Height: 1.89" (48mm)
- Length: 6.30" (160mm)

### Weight

0.97 lbs (0.35 kg)

### Type

- Transponder Class 1 Mode S level 2els ADS-B Class B1S

### Certification

ETSO-C112b, ETSO-C166a, FAA TSO C112c, FAA TSO C166b, approved for IFR and VFR flight

### Compliance

ED-73C, DO-160F, DO-178B Level B, DO-254 Level C, DO-260B, DO-181E

### Power

9-33 V  
Idle: 0.15 A active: 0.34 A  
250 W at connector

### Environmental

-40°C to +70°C  
No external cooling fan required.

### GPS Protocol Compatibility

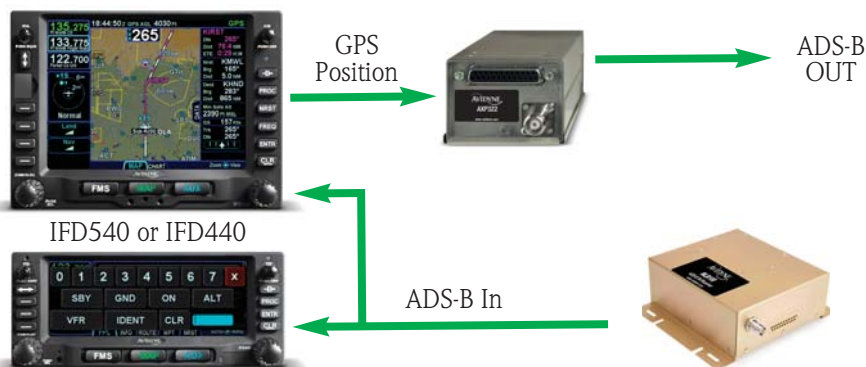
Avidyne IFD540/IFD440

### Other Interfaces

Gray Code & Serial Altitude Inputs  
Serial Altitude Output  
External Standby Input  
Weight on Wheels Input  
External Ident Input

## YOUR 1090MHz ADS-B SOLUTION

Coupled with Avidyne's IFD540 or IFD440, the AXP322 provides full ADS-B surveillance capability to meet the upcoming mandates for flight above and below FL180 in the U.S. and internationally. The AXP322 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 MLB100 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.



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Avionics installations require special skills and test equipment. Avidyne's limited warranty is 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.

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