



*Avidyne's MLB100 ADS-B IN receiver provides FIS-B weather and ADS-B/ADS-R traffic for general aviation aircraft equipped with Avidyne IFD440/540 and EX-Series MFD systems.*

### MLB100 978MHz ADS-B RECEIVER

The MLB100 is a light weight 978MHz datalink receiver that is designed for use with Avidyne's display systems for receiving ADS-B traffic and FIS-B weather from the ADS-B network in the United States NextGen airspace system.

Using the 978MHz datalink frequency band (which is one of two channels available to pilots in the United States airspace for ADS-B) the MLB100 receives 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 MLB100 also receives traffic information 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).

# THE MLB100 PROVIDES ADS-B IN WEATHER (FIS-B) AND TRAFFIC (ADS-B/ADS-R/TIS-B) TO ENHANCE THE SAFETY OF YOUR AIRCRAFT.



The MLB100 provides traffic and weather services for display on Avidyne's IFD540 and IFD440 FMS/GPS/NAV/COMs, as well as the EX500, EX600, and EX5000 Multi-Function Displays (MFD). Full reception of ADS-B IN traffic information by the MLB100 from ATC (ADS-R and TIS-B) requires an ADS-B compliant Mode-S ADS-B Out Transponder and approved position source (such as Avidyne IFD540, IFD440).

## SPECIFICATIONS

### Dimensions

- Width: 6.00" (152mm)
- Height: 2.00" (51mm)
- Length: 5.00" (127mm)

### Weight

1.00 lbs (0.45 kg)

### Type

978MHz TSO Rule Compliant ADS-B IN

### Certification

TSO C112, TSO C166b  
ETSO 2C112b, ETSO C166b  
Approved for IFR & VFR flight

### Compliance

TSO C157a, TSO C195a, DO-160G,  
DO-178B Level C, DO-254 Level C

### Power

10 – 40 V  
0.2A @ 12Vdc

### Environmental

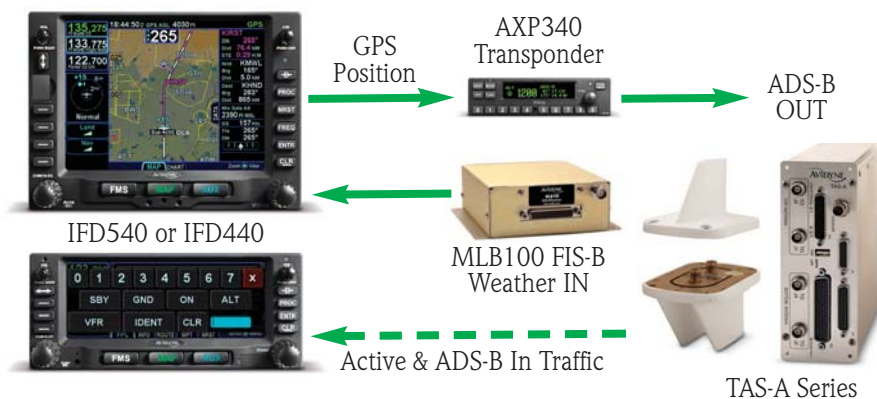
-40 to +70 C

### GPS Compatibility

Avidyne IFD540/440  
Aviation Format

## ADS-B SOLUTIONS FROM AVIDYNE

Avidyne offers the AXP340 Mode S Transponder with 1090MHz Extended Squitter for ADS-B OUT. In addition, Avidyne has also announced 1090MHz ADS-B IN capability for their TAS600A active-surveillance Traffic Advisory Systems (TAS-A Series).



*Avidyne provides a full suite of ADS-B IN and ADS-B OUT capable units that comply with impending mandates and provide traffic & weather information on Avidyne displays.*



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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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