

*Broadcast Datalink Receiver  
for WSI InFlight® Weather & SIRIUS® Satellite Radio*



*The Avidyne MLB700*

*Receiver delivers*

*Aviation-quality*

*datalink graphical*

*weather from WSI*

*InFlight® and audio*

*entertainment*

*from SIRIUS®*

*Satellite Radio.*



*The MLB700 provides SIRIUS® Satellite Radio entertainment and Aviation-quality WSI InFlight® datalink graphical weather for Avidyne EX-Series MFDs.*

*MLB700 Broadcast Datalink Receiver*

Avidyne offers two versions of the MLB700 Broadcast Datalink Receiver. One version delivers WSI InFlight® aviation-quality weather data for display on Avidyne's EX500/EX5000-series multi-function displays, and a second version delivers WSI InFlight® weather and SIRIUS® Satellite Radio via the SIRIUS® Satellite Network.

*The Weather You Need...From the Source You Can Trust*

Known as the leader in Aviation Weather, WSI weather products are recognized throughout the industry for the quality information that they provide. WSI's full staff of meteorologists and pilots mean that your datalink weather service is supported by knowledgeable professionals that understand your needs. WSI's award-winning NOWrad® mosaic of the U.S. Doppler Weather Radar network is continuously quality-controlled by degreed meteorologists. Additionally, WSI employs a combination of advanced algorithms and up-to-the minute surface observations to determine the type of precipitation, rain, mixed or solid. The result is the most accurate depiction of precipitation over the United States available anywhere.

*Delivering "The Best Radio on Radio™"*

With the MLB700 receiver, you have access to the SIRIUS® Satellite Radio Network, with over 130 channels of music, sports, news, and talk radio, right through your aircraft's audio system. Audio content is controlled using the RC70 wireless RF remote control.

*The RC70 remote control unit allows any passenger in the aircraft to select the audio entertainment channel.*



## Specifications

### MLB700 Datalink Receiver

TSO-C157 Flight Information System-Broadcast (FIS-B)

**Dimensions** 6.0" x 8.0" x 1.5"  
(152mm x 203mm x 38mm)

**Weight** 1.8 lbs. (0.82kgm)

**Power** 10-32 VDC  
0.4 A @ 28 VDC  
0.7 A @ 14 VDC

**ANT 71 Antenna Dimensions** 3.0" dia x .75"

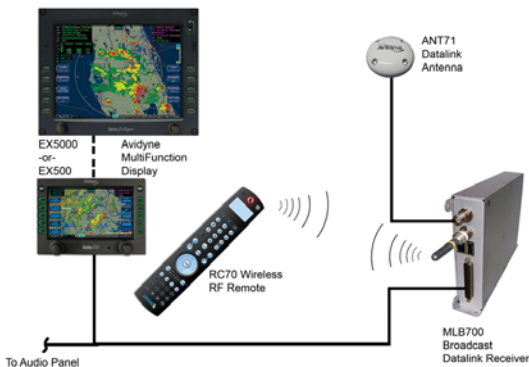
**Weight** 1.7 lbs. (.765 kgm)

#### Display Options

- EX5000 MFD
- EX500 MFD

### Product Features

- Datalink Weather from WSI, the trusted leader in Aviation Weather
- Fast, reliable updates via SIRIUS® Satellite Radio Network
- Easy-to-use remote control for audio entertainment from any seat in the aircraft
- Dual display capability – MLB700 can drive up to two cockpit displays simultaneously
- Sky-focused™ ANT 71 Antenna rejects ground repeater signals for optimum performance
- Affordable Subscription Pricing



The MLB700 provides SIRIUS® Satellite Radio entertainment and Aviation-quality WSI InFlight® datalink graphical weather for Avidyne EX-Series MFDs.



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## MLB700 - Broadcast Datalink Receiver

### NOWrad® and More



With the MLB700, you get WSI's industry-leading NOWrad® radar mosaic for the most up-to-date and highest-quality aviation weather available. With the "Avidyne Performance" subscription, you also have access to Storm Track Vectors which show cell height and cell movement including speed and forecasted direction. The underlined number shows the height of the storm cell, in hundreds of feet. The storm cell indicators are black for rain (or snow) and white to show hail. In the storm cell example here, the storm cell, which includes hail, is moving NNE at 16 knots. The cell is 45,000 feet high.

### Datalinked Lightning



The MLB700 receives datalinked lightning which is derived from the United States Precision Lightning Network. The age of the lightning is indicated by the shading. Lightning 0-5min old is shown in white, Lightning 5-10min old is shown in yellow and lightning that is 10-15min old is shown in brown. As an added value, we've included Lightning with both of our datalink subscriptions.

### Avidyne's CONUS Weather Data Subscription Services\* (using WSI InFlight® Data)

|                                    | Avidyne Professional<br>\$54.99 | Avidyne Performance<br>\$44.99 | Avidyne Essentials<br>\$29.99 |
|------------------------------------|---------------------------------|--------------------------------|-------------------------------|
| NOWrad®                            | ✓                               | ✓                              | ✓                             |
| Graphical METARs                   | ✓                               | ✓                              | ✓                             |
| Textual METARs                     | ✓                               | ✓                              | ✓                             |
| TAFs                               | ✓                               | ✓                              | ✓                             |
| TFRs                               | ✓                               | ✓                              | ✓                             |
| Lightning                          | ✓                               | ✓                              | ✓                             |
| Storm Tracker (Cell Movement)      | ✓                               | ✓                              |                               |
| Echo Tops (Cell Height)            | ✓                               | ✓                              |                               |
| Winds Aloft                        | ✓                               | ✓                              |                               |
| Temps Aloft                        | ✓                               | ✓                              |                               |
| Graphical AIRMETs                  | ✓                               | ✓                              |                               |
| Graphical SIGMETs                  | ✓                               | ✓                              |                               |
| Canadian RADAR                     | ✓                               | ✓                              |                               |
| Canadian METARs and TAFs           | ✓                               | ✓                              |                               |
| Caribbean METARs and TAFs          | ✓                               | ✓                              |                               |
| Icing Severity                     | ✓                               |                                |                               |
| Super-Cooled Liquid Droplets (SLD) | ✓                               |                                |                               |

\*Requires \$99 Activation fee

SIRIUS® Audio subscriptions are available for \$12.95/month through SIRIUS® Satellite Radio.

To activate your SIRIUS radio, call 1.888.539.SIRIUS (7474) Or you can visit [www.sirius.com/install](http://www.sirius.com/install)

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. Avidyne® is a protected trademark of Avidyne Corporation. All other trademarks are the property of their respective companies.