



*The Avidyne MLX770 Transceiver delivers affordable worldwide datalink weather and two-way text messaging.*

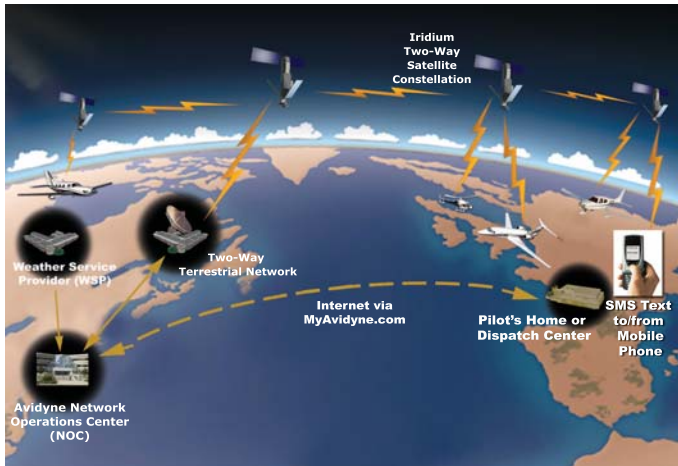
### MLX770 Two-way DATALINK TRANSCEIVER

Avidyne's MLX770 delivers aviation-quality weather data for display on Avidyne's Entegra and EX600/EX500/EX5000-series multi-function displays, as well as compatible electronic flight bags.

### WORLDWIDE SATELLITE DATALINK WEATHER

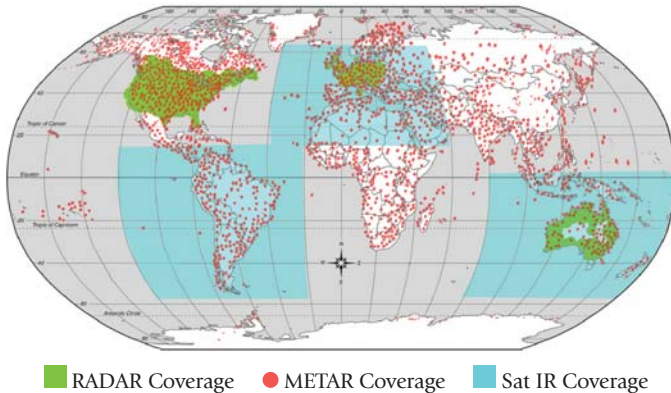
Utilizing the global Iridium constellation, Avidyne's exclusive Network Operations Center (NOC) and innovative two-way datalink transmission technology, the MLX770 delivers affordable datalink graphical weather for general aviation operations around the world. Services include Worldwide METARs, TAFs, Lightning, Winds & Temperatures Aloft, plus Regional Radar and SAT IR displayed in full color on your Avidyne MFD.

# INNOVATIVE WORLDWIDE DATALINK WEATHER.



The MLX770 provides worldwide datalink weather capability utilizing the Iridium Satellite Constellation and Avidyne's Network Operations Center (NOC).

## MLX770 Datalink Coverage Area



The MLX770 opens up the world for two-way airborne datalink communications. For the latest RADAR coverage, please consult [www.avidyne.com/products/MLX770](http://www.avidyne.com/products/MLX770). Weather products and coverage areas may be subject to change without notice. Consult [www.avidyne.com](http://www.avidyne.com) for latest information.

Utilizing Avidyne's Network Operations Center (NOC) and the 66-satellite Iridium® constellation, the MLX770 provides aviation weather data products for display on Avidyne's Entegra and EX600/EX500/EX5000 Multi-Function Displays (MFD).

In addition, the MLX770 provides convenient two-way SMS text messaging from your airborne MFD to compatible SMS-capable mobile phone or e-mail address, allowing pilots to communicate with family and friends on the ground from their aircraft in flight.



55 Old Bedford Road  
Lincoln, MA 01773

Ph 781.402.7400    800 AVIDYNE  
Fax 781.402.7597

[www.avidyne.com](http://www.avidyne.com)

METAR Conditions at LSGG			
Wind:	180 at 8kts	Cloud cover:	400 feet broken cumulonimbus
Gust:	15kts		11800 feet scattered towering cumulus
Visibility:	7SM	Temp/Dew:	6°C / -9°C
Weather:	none	Altimeter:	1032.16 mb (30.48 inches)

**METARs** – A METAR is a report giving the actual weather conditions at an aerodrome at the time of the report. METARs are typically issued every hour.

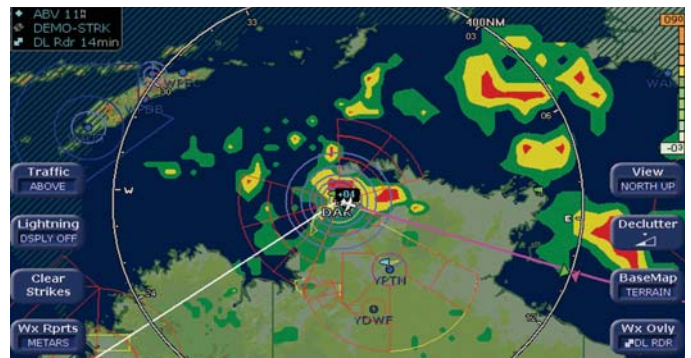
### Terminal Aerodrome Forecast (TAF) for LSZH

```
051720Z 051818 VRB05KT P6SM FEW035 BKN045 FM2100 23007KT
P6SM -SHRA SCT030 BKN045 TEMPO 2301 25008G18KT 3SM TSRA BR
BKN035CB FM0300 22003KT 6SM BR SCT020 BKN035 TEMPO 0608 3SM
BR BKN010 FM1200 25006KT P6SM BKN060=
```

**TAFs** – An aerodrome TAF is a forecast - it will give the predicted weather conditions expected at an aerodrome, usually for a 9 or 24 hour period.

## PRODUCT FEATURES

- Affordable Worldwide Datalink
- Aviation-quality weather
- Supports multiple displays
- Supports SMS Text Messaging & Email
- Interfaces with EX5000, EX500, and EX600 MFDs
- Interfaces with several 3rd party Electronic Flight Bags



MLX Datalink weather displayed over northern Australia on an EX5000 MFD.

## TECHNICAL SPECIFICATIONS

### MLX770 Datalink Transceiver:

#### Dimensions:

Width: 3.0" (76mm), Height: 6.0" (152mm), Depth: 11.0" (279mm)

**Weight:** 3.6 lbs. (1.64kg)

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

#### ANT77 Antenna:

**Dimensions:** Diameter: 3.5" (88mm), Height: 0.75" (14mm)

**Weight:** 0.37 lbs. (0.17kg)

#### Display Options

- EX600 MFD
- Entegra/EX5000 MFD with Release 8.0
- EX500 MFD with Release 4.0
- ADR EFB
- CMC EFB
- Independent RS-232 ports for Captain and First Officer EFBs



International customers please contact:

**DAC International, Inc.**  
6702 McNeil Dr. Austin, TX 78729  
Tel: 512-331-5323

**Email:** [Avidyne@dacint.com](mailto:Avidyne@dacint.com) • [www.dacint.com](http://www.dacint.com)

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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