



## Class A / Inland AIS Transponder

Model **A750**

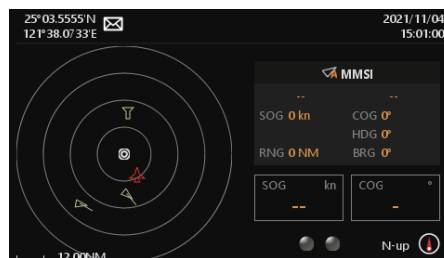


»» Specification P3

The A750 is the next generation Class A / Inland AIS Transponder that represents AMEC's innovation milestone in AIS technology. With a redesigned architecture from the ground-up and inside-out, A750 sets a new standard for reliability, performance, and value. The transponder incorporates a modern graphical user interface (GUI) with a sunlight readable 4.3-inch color display for intuitive operation. Its weather robust design with IPx6 waterproof makes it the ideal choice for SOLAS vessels, inland ships, work boats, and superyachts. The A750 AIS Class A transponders is fully certified to the latest IEC 61993-2 Ed. 3.0, IEC 61162-1 Ed. 5.0, IEC 62923-1/-2 Ed.1.0, CCNR Inland AIS Ed.3.0, and other related international standards.

## New Color Display

The new 4.3" 1,000 nits color LCD display is now larger and brighter for easy viewing. It provides the space to accommodate onscreen software keyboard for intuitive data input.



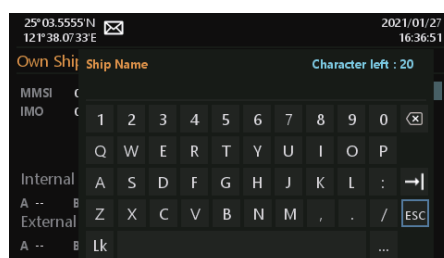
Radar View showing own ship position information



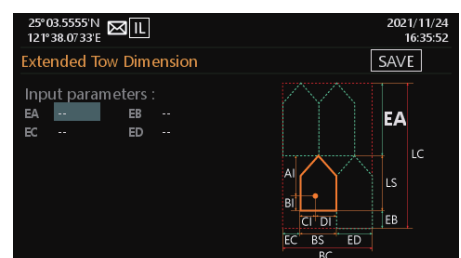
Clearer GNSS satellite status display

## Modern GUI Designs

The new modern minimalistic User Interface offers a cleaner design for faster information acquisition.



Pop-up keyboard for text editing



Inland mode extended tow dimension settings



## Integrated Pilot Plug Interface

A pilot plug connector located in the waterproof hatch on the front panel ensures easy access. Optional pilot plug is also available through junction box connection.



## Complete Connection Interface

NMEA 0183, NMEA 2000, Ethernet and USB enable easy integration with other bridge devices.



## Certified for SOLAS and Inland

Ready for operation both at high sea and in rivers.



## Included in the Package



Junction Box Unit  
Model JB-712



GNSS Antenna Unit  
Model GA-25



Pilot Plug Unit (option)  
Model PP-714

# Technical Specifications

## Class A / Inland AIS Transponder

A750



### STANDARDS

IEC 61993-2 Ed. 3.0: 2018  
 IEC 60945 Ed. 4.0: 2002  
 IEC 61108-1 Ed. 2.0: 2003  
 IEC 62923-1/-2 Ed. 1.0: 2018  
 ITU-R M.1371-5: 2014  
 IEC 61162-450 Ed.2.0: 2018

### VHF TRANSCEIVER

Frequency Range	156.025 MHz ~ 162.025 MHz
Tx Output Power	1W or 12.5W (30 dBm or 41 dBm +/- 1.5 dB)
Receive Sensitivity	better than -107 dBm @ 20% PER

### DSC RECEIVER

Tx/Rx Frequency Range	156.025 MHz ~ 162.025 MHz
Rx Sensitivity	better than -107 dBm @ 20% PER

### GNSS RECEIVER

Receiving Channels	72 channels
Position Accuracy	< 2.5 m Autonomous, < 2.0 m SBAS

### LCD DISPLAY (MKD)

Screen Size	4.3 inches color TFT
Screen Brightness	1000 nits
Display Resolution	480 x 272

### CONNECTION INTERFACE

Antenna Connector	GPS antenna: TNC (female); VHF antenna: SO-239 (female)
Sensor Interfaces 1 to 3	IEC 61162-1 or -2
Other Interfaces	IEC 61162-2: Pilot, Auxiliary, External display, Long-range; DGNSS correction input, Alarm relay, USB, NMEA 2000, Ethernet

### ENVIRONMENTAL

Operating Temperature	-25°C to +55°C
Waterproof Rating	IPX6

### POWER SUPPLY

Power Input Requirement	12-24 VDC / 3.50-1.72A (max)
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## DIMENSION DRAWINGS

