



be aware be visible be safe at sea

**INFORMATION TRANSMITTED BY THE CSB200**

- Name of vessel
- Call sign
- Type of vessel
- Speed (SOG)
- Position
- Course (COG)
- Heading
- Vessel dimensions
- MMSI number

**INFORMATION THAT CAN BE RECEIVED BY THE CSB200**

- Transmissions from both Class A and Class B vessels
- Safety messages
- Aids to navigation

The CSB200 is compatible with PC Navigation programs and Chart Plotters that are capable of accepting standard NMEA 0183 AIS sentences.

For information about compatibility please consult your local Marine Electronics Dealer.



*Be seen ~ be safe at sea*

The CSB200 is a low cost AIS Class B Transponder designed specifically for the small commercial boat, fishing boat and leisure markets. It meets the new Class B Standard that allows vessels that are not required to fit Class A units to voluntarily fit an AIS (Automatic Identification System) transponder.

The CSB200 is a compact self contained unit which, when connected to an external VHF and GPS antenna, will transmit its own vessels position and data, and also receive information from other vessels, shore stations and navigational aids within VHF range. Connected to an on board PC running a compatible Navigation Program, or dedicated Marine Chart Plotter, the information can be displayed on screen giving the skipper a visual interpretation of the name, position, course and speed of other vessels.

**The CSB200 provides a small vessel with:**

- automatic transmission of vessels own position, speed and heading to other vessels within VHF range
- a method of monitoring the position, speed and heading of other vessels within VHF range
- the ability to plot the progress, changes in heading and speed of other vessels on a PC or Chart Plotter
- a vessels name, call sign and MMSI number to call up the target vessel on a DSC radio and ascertain their intentions
- remote transmitter off facility to conserve power, or for covert use
- LED indicators for Status, Receive and Transmit

## Technical Information

The CSB200 is a compact Class B AIS transponder designed to transmit, and receive data from vessels fitted with either Class A or Class B AIS transceivers, and Aids to Navigation.

### Electrical

Power supply: 12 Volts DC  
Power consumption: 0.5A continuous  
Power consumption: 6W average

### Physical

Dimensions: L:165mm, W:120mm, H:50mm  
Weight: 600g  
Mounting: Trunnion bracket

### Connectors

Output/Input port: 9 pin D socket  
Power: 2 pole plug  
VHF Antenna connector: BNC  
GPS Antenna connector: TNC

### Receiver

Frequency: 156.025-162.025 MHz  
Channel Steps: 25KHz  
Receivers: 2, one shared AIS/DSC  
Sensitivity: -107dBm  
Message Error Rate: 20%  
Adjacent Channel: 70dB  
IMD: 65dB  
Blocking: 84dB  
Demodulation: GMSK/FSK  
Data Rate: 9600  
Antenna Impedance: 50 ohms

### Transmitter

Output Power: 1W-4W  
Modulation: GMSK

### I/O Interface

RS232: 115.2K/38.4K  
RS422/NMEA: Bi-directional

### Compliant with

IEC62287-1 Class B  
ITU-RM.1371-1  
IEC61162-100  
EN-60945

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