

1 INSTALLATION KIT



EMMI Network is interested in expanding its AIS Network in SHIPCONTROL and you can take part. Users will have access to a global network of AIS terminals to view vessel traffic in real time. To connect your port to our network you will only need an AIS terminal kit. This kit includes all of the equipment required for adding your port to the system. The package combines all of the hardware and software needed to get connected to the SHIPCONTROL network.

All that is required from your end is a power source, an outdoor location to place the VHF antenna and a permanent connection to the Internet (ADSL/Broadband is required). Once connected and configured, the received information will be displayed on shipcontrol.com.

The shipcontrol AIS KIT contains the following items:

2 COMPONENTS



AIS Receiver:

Dual Channel Parallel Synthesized Ethernet AIS receiver. The terminal receives the AIS (Automatic Identification System) information from vessels travelling within its coverage. AIS information that will be monitored is transmitted from Class "A" transponders fitted on all vessels over 300 tons, and non-mandatory Class "B" transponders that are installed on commercial and leisure crafts less than 300 tons.



Antenna cable. 15 mts length



Ethernet cable. 15 mts length. Cat 5



Power supply unit for AIS receiver



VHF antenna with support mounting kit

3 CONDITIONS



- **Installation**
 - It is important that the VHF antenna is placed outside on a high point in the area of interest. The higher the antenna is placed, the better the coverage range will be.
 - The price includes two hours of installation telephone support. Extra hours will be quoted separately.
 - A permanent ADSL/broadband Internet connection and power supply is required. DHCP server in the network (router / server) is also required.
- **VAT not included**
- **Delivery costs not included**
- **Technical specifications**

- AIS receiver

Power supply range: 9-30 Volts DC
Power consumption: 400mW
Baud rate: 4800 or 38.4KB
Format: NMEA 0183/RS232
Output message: VDM
NMEA 0183 4800bd messages
Frequency: A - 161.975 MHz, B - 162.025 MHz
Channel Spacing: 25KHz
Sensitivity: -112dBm

Demodulation: GMSK
Antenna Impedance: 50 ohms
Dimensions: L:140mm, W:120mm, H:50mm
Weight: 600g
Mounting: Trunnion bracket
Output port: 9 pin D socket
Power: 2 pole plug
VHF Antenna: BNC
GPS Antenna: TNC

- VHF antenna:
 - Length: 1.2 m
 - Weight: 1 kg.
 - Includes support mounting
- Power supply:
 - MULTI-PLUG 18W 12V
 - Current, output: 1.5A
 - Power rating: 18W
 - Length /Height external: 74 mm
 - Width, external: 43 mm
 - Depth, external: 34 mm
 - Connector Type: 2.1 mm DC plug
 - Frequency: min 47 Hz- max 63 Hz

AIS shipcontrol kit price: 1500 €