

# Class B VHF Antenna splitter

Optimizes antenna use with your AIS-CTRX Class B Transponder



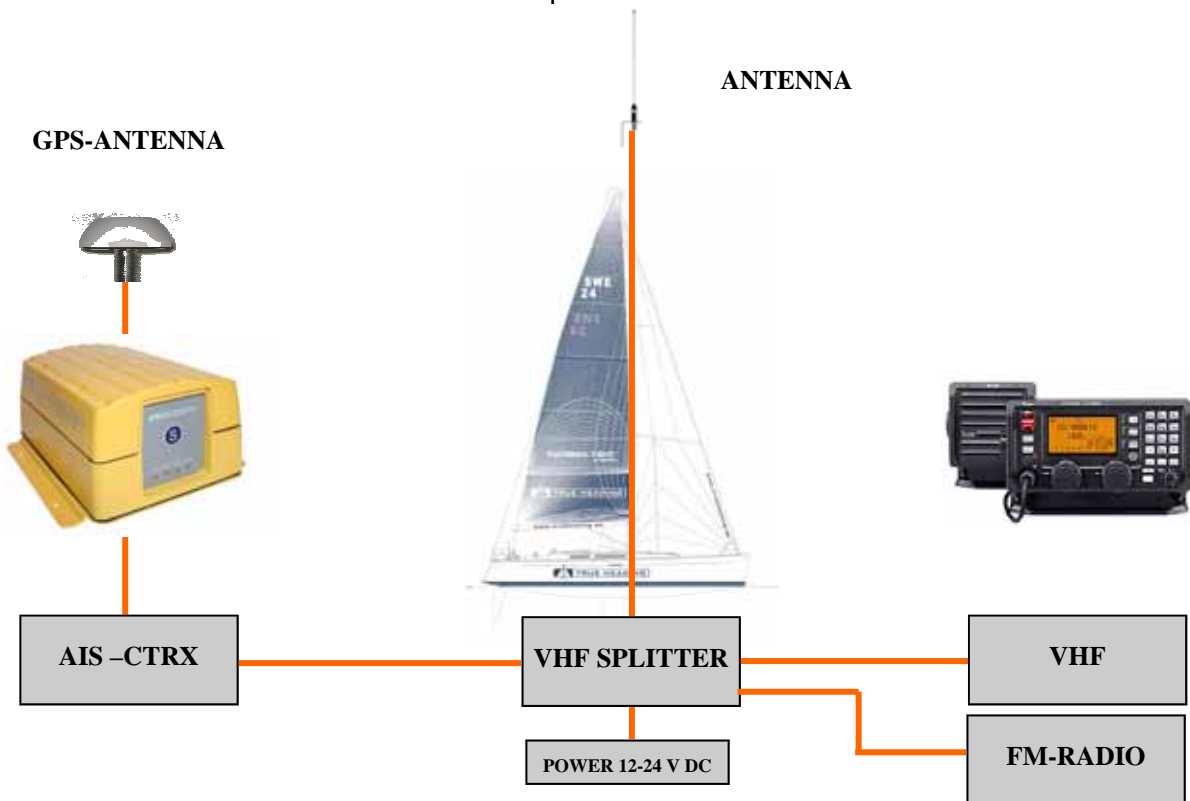
## *IMPROVE YOUR COVERAGE & SIMPLIFY INSTALLATION*

The True Heading Class B VHF Antenna splitter makes it possible to:

- ◆ use a single VHF antenna installation for both your VHF and the AIS-CTRX Class B Transponder.
- ◆ reduce and save on installation cost and time.
- ◆ improve coverage since you can have the antenna at the highest position for both AIS and VHF.
- ◆ have a failsafe operation with priority to VHF voice radio operation even in case of failure of the splitter power supply.
- ◆ use VHF, AIS and FM or GSM with the same antenna and no additional filters.
- ◆ simply show status with LED indicators



The VHF Antenna splitter will make installation much easier as well as save cost for an additional antenna. Since it is normally not possible to have two VHF antennas in the top of a mast on a sailboat. The VHF Antenna splitter solves the problem and you can optimize the coverage on all your VHF radio equipment by being able to put the antenna at the highest position for all the equipments. The VHF splitter also works VHF/GSM or VHF/FM radio. The VHF Antenna splitter the first to work with two active units like a VHF and AIS Transponder.



### Technical specifications

The VHF splitter is an active splitter that blocks the reception during transmission of any connected VHF transmitter with a maximum output power of 25 W.

### Electrical

Power supply range : 12 - 24 Volts DC (10.6-32)  
 Current draw : <100mA cont.  
 VHF and AIS antenna grounds isolated

### Receiver

Frequency range 156.000-163.425 MHz  
 Insertion loss : < 3.8 dB  
 Max transmitter power: 25 W (VHF)  
 Max transmitter power: 12.5 W (AIS)

### User interface

Green LED for power indication  
 Amber LED for VHF TX indication  
 Amber LED for AIS TX indication  
 Amber LED for Rx operation

### Physical

L x W x H: 120 x 120 x 55 (mm)  
 Weight : 80 g

UHF (F) socket for VHF antenna connection  
 UHF (M) plug on flying lead for VHF radio connection  
 ISO socket for FM radio connection  
 2 pin circular LTW connector for power

### Supplied with

0.5m flying lead to VHF voice radio antenna connector  
 2m RF cable for AIS connection (BNC to BNC)  
 2m power cable  
 2m RF cable for FM radio (ISO plug to ISO plug)  
 ISO to DIN FM adapter  
 Installation and user guide



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