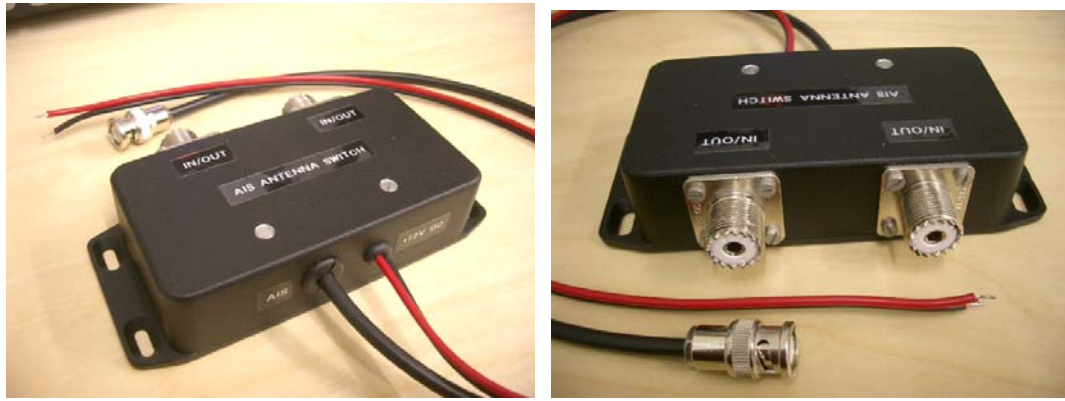


## AIS Splitter / Switch



### Purpose

To enable an AIS receiver to be used together with a 25W VHF Marine transceiver on a single antenna. During normal operation the two pieces of equipment equally share the antenna signal but are otherwise isolated from each other with a 90 degree phase shift. There is no measurable loss between the antenna connection and the AIS receiver connection. During receive mode the LED glows.

### Connections

There are two coaxial sockets which are interchangeable for use with the Marine VHF and antenna. The flying coax lead with a BNC plug is for the AIS receiver. The red/black twin lead is for 12V DC supply and **must** be permanently connected to the same supply as the Marine VHF 12v supply. With the FM Radio output this **must** have the blank phono terminator fitted if the FM output is unused.

### Specifications

Transmit signal incurs a very slight loss due to the RF sensing circuit. <1db.  
SWR is better than 1.4:1 during all phases.  
Complete fail safe operation as there is a permanent connection between the Marine VHF and aerial the AIS receiver only receives when the LED is lighted.  
In case of power failure the radio is always connected to the VHF aerial and the AIS will not have a signal path.  
Consumes 10mA on receive and 40mA on transmit, from a 13.5V DC supply.  
Overall Size 137mm x 76mm x 30mm

Available solely from JG Technologies Ltd. £79 inc. vat. £99 for the plus model with FM radio output.

JG Technologies Ltd Company No 3845911 Directors J.S. Grandshaw H J Attree