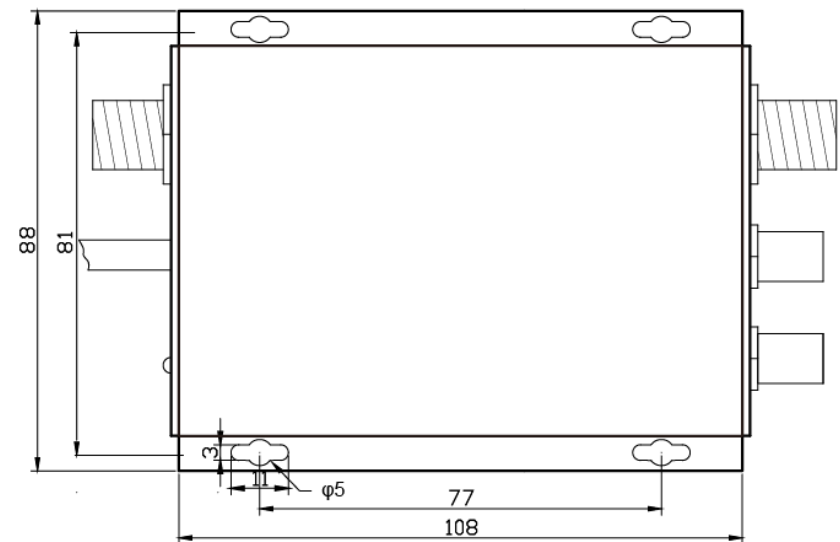



QK-A015-RX**ACTIVE AIS/VHF ANTENNA SPLITTER**

Disclaimer: This product is designed to aid navigation and should be used to augment normal navigational procedures and practices. It is the user's responsibility to use this product prudently. Neither Quark-elec, nor their distributors or dealers accept responsibility or liability either to the product user or their estate for any accident, loss, injury or damage whatsoever arising out of the use or of liability to use this product.

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More information at www.quark-elec.com



This is an overview only. Familiarize yourself with the manual and the manuals of any connecting devices before installation. It is always recommended that electronic equipment be installed by an experienced installer.

Please note: The A015-RX is compatible with AIS receivers only.

It is not designed for use with AIS transponders/transceivers. For AIS transponders/transceivers you would require the A015-TX.

INTRODUCTION

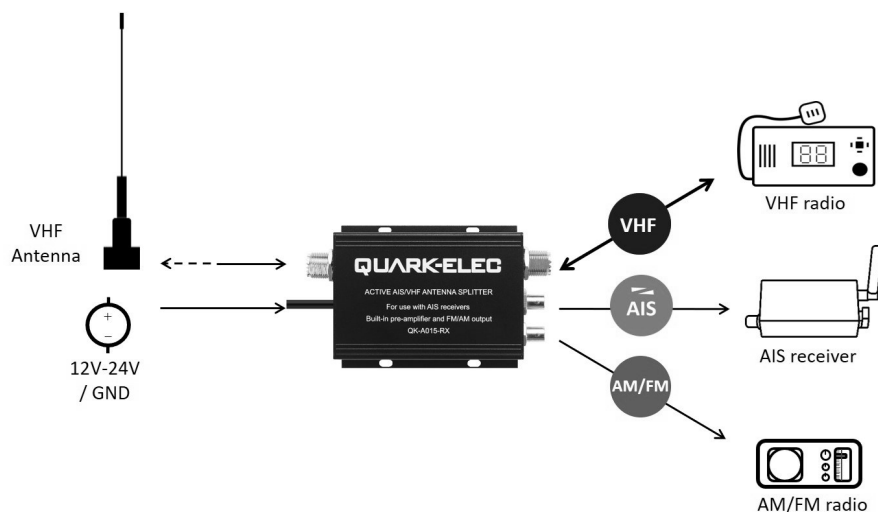
The QK-A015-RX splitter allows one VHF antenna to be shared between:

1. VHF radio
2. AIS receiver and
3. AM/FM radio

The A015-RX allows the one VHF antenna to provide the following functions:

- Reception of VHF radio, AIS messages and AM/FM radio.
- Transmission from VHF radio.
- Straight forward connection to all relevant devices, with no configuration required.

The A015-RX is an active splitter. This is important, as unlike many splitters that cause signal loss, the active splitters actually provide a signal gain. The A015-RX's built-in pre-amplifier amplifies the AIS, VHF, AM/FM signals, thereby increasing the AIS receiver range.

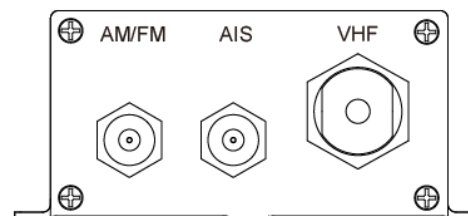


INSTALLATION

The A015-RX has five connections:

- **Power cable:** connect to 12V-24V DC power and GND
- **VHF Antenna:** SO239 connector for VHF antenna
- **VHF radio:** SO239 connector for VHF radio
- **AIS:** BNC connector for the output of the AIS signal
- **AM/FM:** BNC connector for the output of the FM/AM radio signal

The A015-RX is a plug and play device. No Configuration required.



Connect the VHF antenna before connecting other devices!

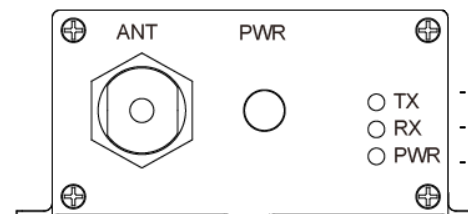
Connecting powered devices to a splitter without first connecting the VHF antenna will damage your devices.



1. Remove power source from all devices that will be connected.
2. Connect the VHF antenna to splitter before adding any devices.
3. After the VHF antenna is connected, connect the VHF radio, AIS receiver and FM/AM radio to the A015-RX splitter.
4. Re-power all devices.
5. Test, checking status LEDs light up when expected.

STATUS LEDs

The A015-RX has three LEDs that indicate power and the splitter's status.



- **TX:** Transmitting VHF radio *
- **RX:** Receiving VHF / AIS / FM/AM *
- **PWR:** Indicates power *

***VHF fail-safe function** - VHF radio has full priority and will remain functional, even in the unlikely case that the splitter would lose power or fail.