



**One VHF Antenna,  
Full Combination!**

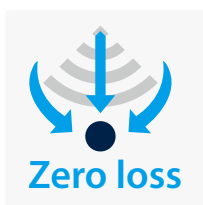
## Product Overview

CUBO-161 is AMEC's next generation AIS antenna splitter used to share a single VHF antenna for both VHF radio and AIS transponder or receiver. It provides also a feed for FM radio.

The design of the splitter enables ultra low insertion loss for maximized reception range of your VHF radio and AIS device. It's fail-safe feature guarantees priority to VHF radio operation even if the splitter is turned off. The built-in test function gives a simple diagnosis in the event of antenna problem.

Featured with durable design and compact housing, the CUBO-161 is the best companion of your AIS transponder.

## Key Features



- ▶ Zero insertion loss for Reception  
Cubo-161 provides optimized AIS and VHF radio performance in all situations.



- ▶ Fail-safe Operation  
The guarantee of uninterrupted VHF/DSC radio operation even when the splitter is turned off.



- ▶ Low power consumption  
Its advanced circuit design enables low power consumption by optimum performance.

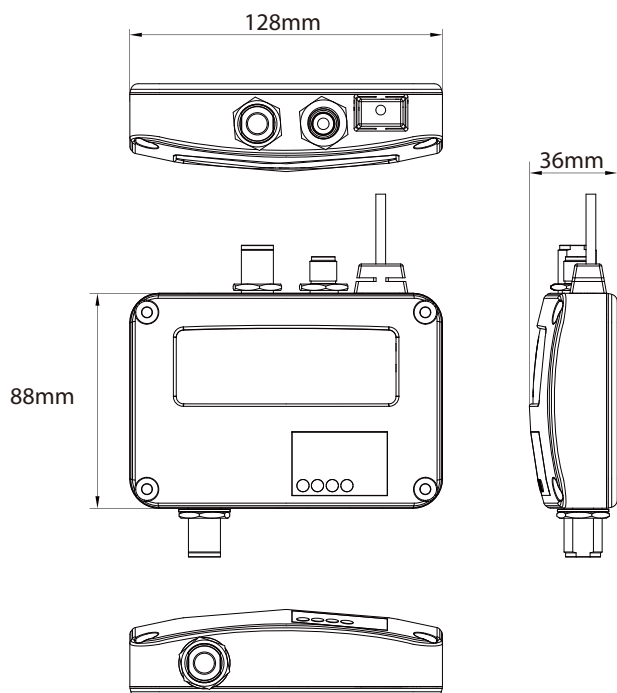


- ▶ Self-test function  
The error LED gives a simple diagnosis in the event of antenna problem.

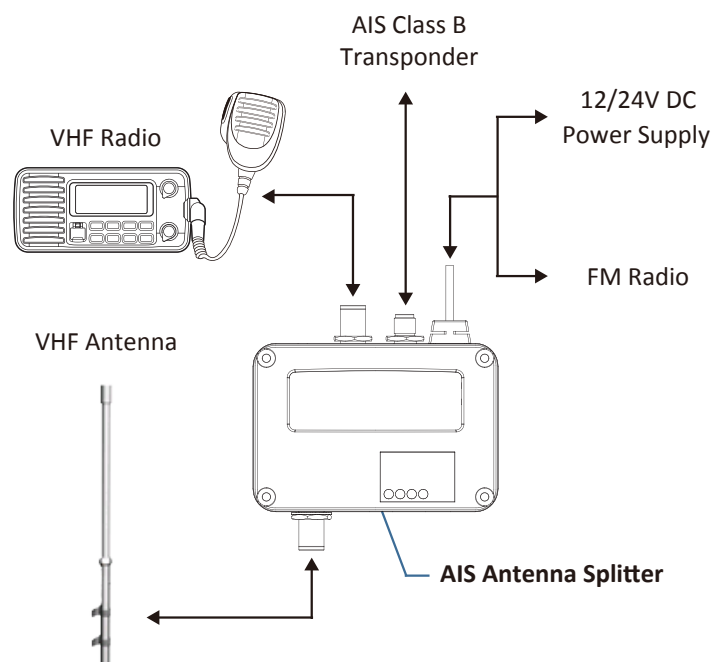
## Applications

- ▶ VHF Radio
- ▶ Recreation Boat
- ▶ AIS Transponder / Receiver
- ▶ VHF Antenna

## DIMENSIONS



## CONNECTION DIAGRAM



## SPECIFICATIONS

### RF PERFORMANCE

AIS & VHF Radio Frequency Range	156.025 MHz~162.025 MHz
Insertion loss, AIS Receive path	Typical 0dB
Insertion loss, VHF Radio Receive path	Typical 0dB
Insertion loss, AIS Transmit path	Typical 1.5dB
Insertion loss, VHF Radio Transmit path	Typical 1.5dB (2dB when power off)

### POWER SUPPLY

Supply Voltage	12V ~ 24V DC
Operating current (receive)	110mA typical at 12VDC
Operating current (Transmit)	130mA typical at 12VDC

### LED INDICATION

- One Power Indicator (Green)
- One Error Indicator (Red)
- One VHF Radio Transmission Indicator (Green)
- One AIS Transponder Transmission Indicator (Green)

### PHYSICAL

Width	128 mm (5.51 inch)
Height	36 mm (1.97 inch)
Depth	88 mm (7.87 inch) (exclude connector)
Weight	230 g
AIS port	BNC : Max. 12.5W, 50Ω
VHF Radio port	PL-259 : Max. 25W, 50Ω
Antenna port	PL-259
FM Radio	Wiring connection

### ENVIRONMENT

Operating Temperature	-15°C~55°C
Storage Temperature	-25°C~70°C
Operating Humidity	95% RH at 40°C
Waterproof	IPX2

Note: Specifications are subject to change without prior notice.



Alltek Marine Electronics Corporation

5F, No. 37, Ji-Hu Rd., Neihu, Taipei, 11492, Taiwan  
Tel: +886 2 2627 1599 Fax: +886 2 2627 1600

## Sales Contact

For more information, please contact your local representative or Alltek Marine at

sales@alltekmarine.com

[www.alltekmarine.com](http://www.alltekmarine.com)

Distributor/Dealer