

*One VHF Antenna,  
Full Combination!*



## CUBO-160

### Get Two VHF Radio with One Antenna -

AMEC CUBO-160 VHF/AIS Transponder Splitter is a simple junction device which allows mariners to use both VHF Radio and AIS Transponder with only one VHF Antenna. It can also connect to AM/FM receiver. CUBO-160 is robust and strictly tested to meet the rigorous demands of the maritime environment.

### Easy Installation and Operation -

CUBO-160 is designed for wide range of power input, from 12~24VDC. On the front panel, CUBO-160 equips with 3 LED which indicate the transmitting status between VHF radio and AIS Transponder clearly.

### Save Space, Cost and Time -

CUBO-160 can save space, cost and time on additional installation of VHF antenna. It easily allows to arrange two active units transmitting/receiving signal with highest performance.

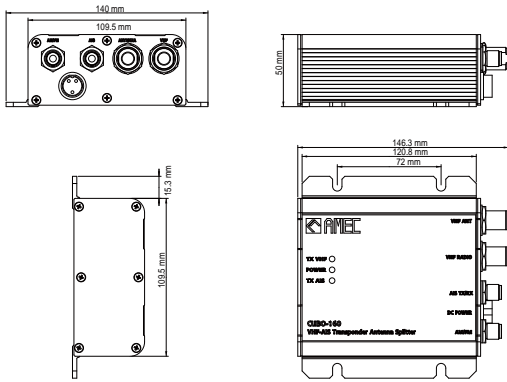
- ▶ Sharing between AIS VHF antenna and VHF radio antenna
- ▶ Low insertion loss
- ▶ Easy installation
- ▶ Applicable for both AIS receiver and AIS transponder
- ▶ Compact size
- ▶ CE conformity
- ▶ Low power consumption

### KEY FEATURES

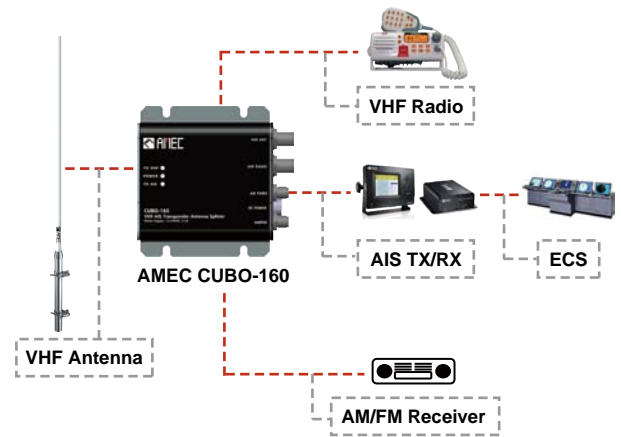
### APPLICATIONS

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

## DIMENSIONS



## CONNECTION DIAGRAM



## SPECIFICATIONS

### RF PERFORMANCE

AIS & VHF Radio Frequency Range	156.025 MHz~162.025 MHz
Insertion loss, AIS Receive path	Typical 4dB
Insertion loss, VHF Radio Receive path	Typical 4dB
Insertion loss, AIS Transmit path	Typical 3.5dB
Insertion loss, VHF Radio Transmit path	Typical 1.5dB
AIS port	BNC connector: Max. 12.5W, 50Ω
VHF Radio port	UHF connector: Max. 25W, 50Ω
FM port	75Ω

### ENVIRONMENT

Operating Temperature	-15°C~55°C
Storage Temperature	-25°C~70°C
Operating Humidity	95% RH at 40°C
Waterproof	IPX5
Standard Magnetic	0.5 m
Compass Safe Distance	

Note: Specifications are subject to change without prior notice.

### POWER SUPPLY

Supply Voltage	12V ~ 24V DC
Operating current (receive)	160mA typical at 12VDC
Operating current (VHF Transmit)	150mA typical at 12VDC
Operating current (AIS Transmit)	170mA typical at 12VDC

### LED INDICATIONS

- One Power Indicator
- One VHF Radio Transmission Indicator
- One AIS Transponder Transmission Indicator

### PHYSICAL

Width	103 mm (140mm with mounting)
Height	50 mm
Depth	150 mm w/o connectors
Weight	<1kg



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The AIS Specialists

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