ONWA®
MARINE ELECTRONICS

MODEL

KS-200B

AIS Receiver Black Box

MODEL

KS-200B_N

AIS Receiver Black Box

**Can send AIS data via network*

AIS Technology

RS232
Electrical Interface
and Programming

NMEA0183
Interface

AIS TECHNOLOGY

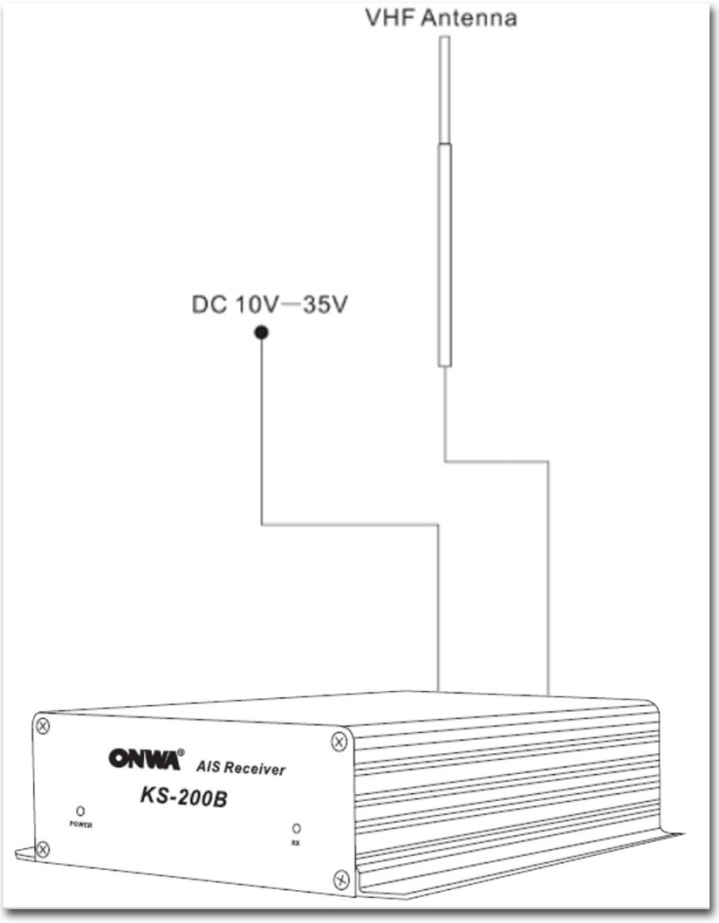
The ONWA AIS receiver receives all AIS data of nearby targets around your boat *(with suitable VHF Antenna)* able to Interpret incoming AIS data for CPA alert or AIS S.A.R.T emergency messages.

For KS-200B_N:

ONWA KS-200B_N is an external AIS Device that may be interface with your Marine Radar or GPS Chart Plotter capable to receive AIS data via RS232 port and Network Data.

KS-200B_N lets you track your vessel even at certain distance using IP address of the black box unit which you can monitor from your computer.

SYSTEM CONFIGURATION



**Suitable VHF Antenna*

- **KA-159**

(not included in the set, specify when ordering)

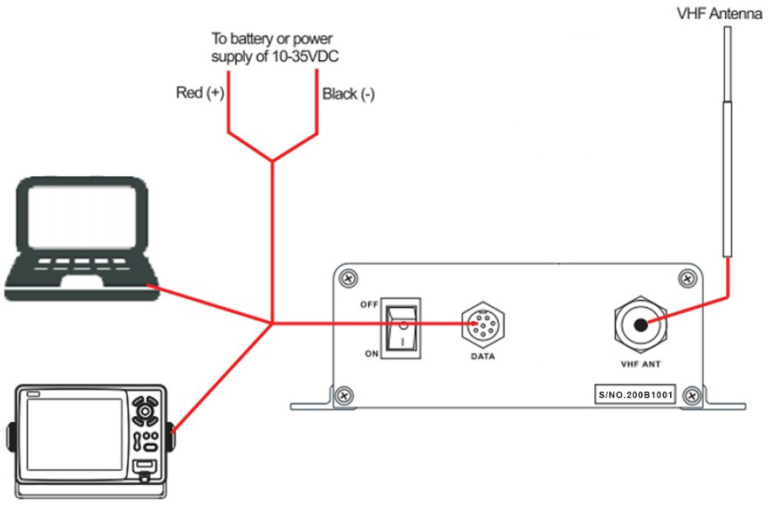
SPECIFICATIONS

Connectors	VHF Antenna connector PL259 female Power/data connector 8 pins male
PHYSICAL	
Dimension:	207mm (length) x 155.8mm (width) x 50mm (height)
Weight:	0.8kg
POWER	
Input:	10~35VDC
Power Consumption:	0,35A nominal, 2A peak
Electrical Interface	RS232 38.4kbaud bi-directional
Environmental	IEC 60945 (Cat C)
Operating Temperature:	-25°C to +55°C
NMEA Sentence Supported	VDM, VDO

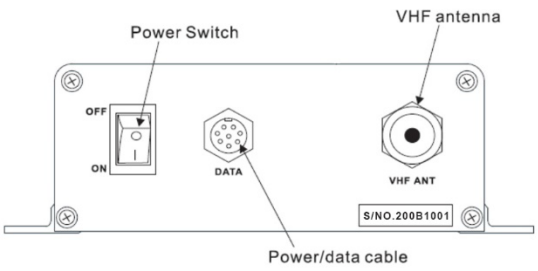
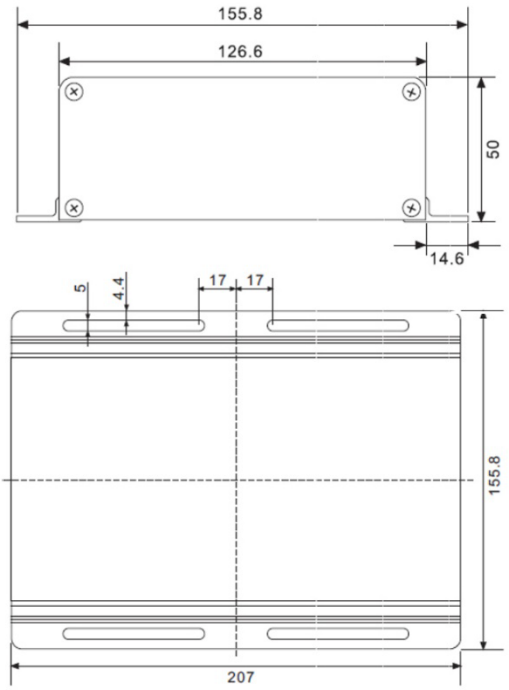
AIS CHARACTERISTICS

Frequency Rate:	156.025 MHz~162.025 MHz	AIS Channel 1:	CH 87B (161.975 MHz)
Access Scheme:	SOTDMA	AIS Channel 2:	CH 88B (162.025 MHz)
Channel Bandwidth:	25 KHz	RX Sensitivity:	< -123dBm @ 20% PER
Modulation:	GMSK	RX Message Format:	AIS Class A and B messages
Number of AIS Receiver:	2	Comply Standard:	IEC-62287 IEC 62287-2 Ed. 2.0:2017

INTERCONNECTION DIAGRAM



KS-200BCONNECTION DIAGRAM



DIMENSION