



ONWA[®]
Marine Electronics

2026

CATALOGUE



ONWA MARINE ELECTRONICS CO LTD.

PRACTICAL OPTIONS PRACTICAL SOLUTIONS

ABOUT US ABOUT US

Founded in the 1990s, ONWA Marine Electronics Co., Ltd. is primarily engaged in the design and manufacture of innovative marine electronics devices, specialising in navigational and communication equipment bearing the ONWA brand name.

Over the years we have enjoyed significant growth, currently employing 300 staff across, engineering, marketing production and administration. Our global distribution network covers Asia, Europe, the Middle East, Oceania and the Americas.

With headquarters and administration centre in Hong Kong, a centre of excellence and cutting-edge manufacturing facility in Shenzhen, China, we remain committed to the design and production of top rated, value for money, quality marine electronics.

Additionally, we offer OEM/ODM services to marine electronics companies seeking to expand their product lines without the need for direct investment in engineering design or manufacturing.

IN PARTNERSHIP WITH



All specifications are subject to change without prior notice!

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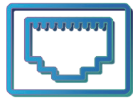
K-Astral

Easy-to-use MFD (Chartplotter) with **Highly Responsive Touchscreen** and Traditional Keypad Interface



K-Astral 8 (8")

K-Astral 12 (12")



Ethernet Port
For Radar Connection



K-CHART
Free detailed sea map



Expandable Features



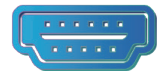
Gauges
Displays Engine, Genset, Rudder, and working condition



Compatible with Navionics+



**NMEA0183
NMEA2000
ONENET (Beta Version)
NMEA Interface**



Built-in HDMI Feature
(Optional)



Built-in AIS Transponder



Built-in CHIRP Sounder



Built-in Radar Function
Radar Antenna Needed



SD Card System Update



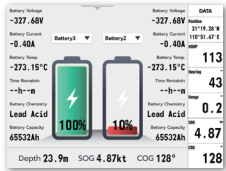
User Definable Multi-mode Display

GNSS

Built-in GNSS antenna
integrated GNSS receiver, supporting multi-constellations, delivering uninterrupted, global coverage (Optional External Antenna)

DIFFERENT DISPLAY MODES

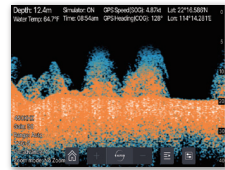
Various display mode includes: Highway, K-CHART 3.0, Compass, Wind, Radar, Home Screen, Sonar/Chirp Sounder, Gauges, AIS, CCTV, Battery and NAVIONICS Supported



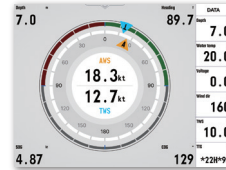
Battery



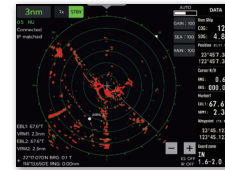
CCTV



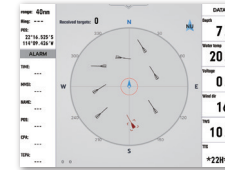
Sonar/Chirp Sounder



Wind



Radar



AIS



Compass



Gauges



Highway



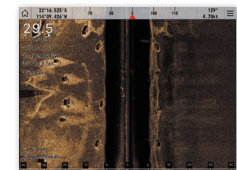
Home Screen



NAVIONICS Supported



K-CHART 3.0



SideScan (Coming soon)

OPTIONAL ACCESSORIES



NMM40-50/200
BRONZE TRANSDUCER
Thru-hull Transducer 600W



KTD-TH520
PLASTIC TRANSDUCER
Thru-hull Transducer 600W



KTD-TM520
PLASTIC TRANSDUCER
Transom Mount Dual Frequency
600W



KTD-TM820C CHIRP Transducer
(for K-Astral 8C K-Astral 8X
K-Astral 12C K-Astral 12X)



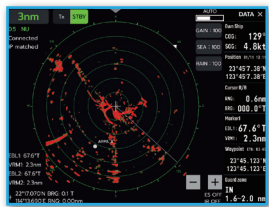
KA-09 GNSS Marine Antenna
External GNSS Antenna with
10m cable

RADAR FUNCTION

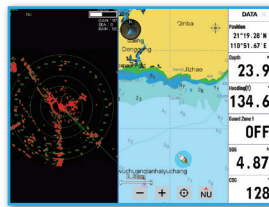
FOR K-ASTRAL SERIES ONLY

FEATURES

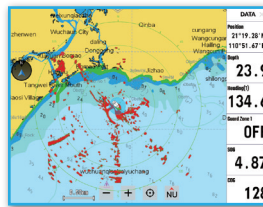
- ◆ Accidental touch prevention, even under wet conditions
- ◆ An all-in-one & user-friendly chartplotter
- ◆ Next-generation CHIRP Chirp Sounder Module



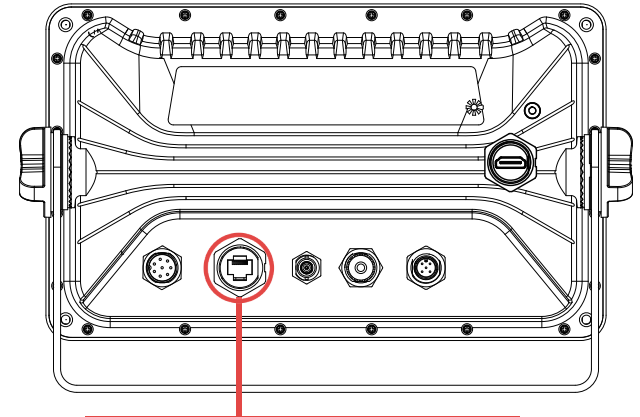
Radar



Plotter + Radar
Split Screen



Radar Overlay




Ethernet port Slot for Radar
Antenna Connection

CAN USE ANY OF THE FOLLOWING ANTENNAS (SPECIFY WHEN ORDERING):



PULSE COMPRESSION RADAR
Radome Radar Antenna
KRA-R25W

(Power: 25W)



PULSE COMPRESSION RADAR
Open-array Radar Antenna
KRA-A50W_4

(Power: 50W)



Radome Radar Antenna
KRA-1007_N

(Power: 4KW)



Radome Radar Antenna
KRA-1009_N

RPM depends on range:
Short range: 48 RPM
Medium range: 36 RPM
Long range: 24 RPM

(Power: 4KW)



Open-array Radar Antenna

KRA-4001 (Power: 6KW)
KRA-3002 (Power: 12.5KW)
KRA-5002 (Power: 25KW)

K-ASTRAL SERIES



K-Astral 8



K-Astral 8A



K-Astral 8C



K-Astral 8X

DISPLAY SIZE	8"	8"	8"	8"
RESOLUTION	1024x768	1024x768	1024x768	1024x768
GNSS	GPS+BeiDou+Galileo +GLONASS	GPS+BeiDou	GPS+BeiDou+Galileo +GLONASS	GPS+BeiDou
NAVIONICS+ COMPATIBLE				
K-CHART MAP				
NMEA INTERFACE	NMEA0183/NMEA2000	NMEA0183/NMEA2000	NMEA0183/NMEA2000	NMEA0183/NMEA2000
Built-in GNSS ANTENNA	Yes	Yes	Yes	Yes
User Definable Multi-mode Display	Yes	Yes	Yes	Yes
Built-in CHIRP Fishfinder	NO	NO	Yes	Yes
Built-in AIS	NO	CLASS B+	NO	CLASS B+
Built-in Radar Function	Yes	Yes	Yes	Yes
Built-in HDMI	Optional	Optional	Optional	Optional
Ethernet Port	For radar function & IP Camera	For radar function & IP Camera	For radar function & IP Camera	For radar function & IP Camera

K-ASTRAL SERIES



K-Astral 12



K-Astral 12A



K-Astral 12C



K-Astral 12X

DISPLAY SIZE	12"	12"	12"	12"
RESOLUTION	1024x768	1024x768	1024x768	1024x768
GNSS	GPS+BeiDou+Galileo +GLONASS	GPS+BeiDou	GPS+BeiDou+Galileo +GLONASS	GPS+BeiDou
NAVIONICS+ COMPATIBLE				
K-CHART MAP				
NMEA INTERFACE	NMEA0183/NMEA2000	NMEA0183/NMEA2000	NMEA0183/NMEA2000	NMEA0183/NMEA2000
Built-in GNSS ANTENNA	Yes	Yes	Yes	Yes
User Definable Multi-mode Display	Yes	Yes	Yes	Yes
Built-in CHIRP Fishfinder	NO	NO	Yes	Yes
Built-in AIS	NO	CLASS B+	NO	CLASS B+
Built-in Radar Function	Yes	Yes	Yes	Yes
Built-in HDMI	Optional	Optional	Optional	Optional
Ethernet Port	For radar function & IP Camera	For radar function & IP Camera	For radar function & IP Camera	For radar function & IP Camera

GNSS Chart Plotters

KP-27
7" Display
800x480 Resolution



KP-25
5" Display 800x480 Resolution



KP-29
9" Display
1024x600 Resolution



K-CHART
Free detailed sea map



Support C-Map MAX



Compatible with Navionics+



GO TO TRACK NAVIGATION
Leads you back home



Multiple display modes



Proximity waypoint alarm



Different color palettes



SD Card System Update



Tide Table



Celestial



Display AIS Info



NMEA0183
NMEA2000
NMEA Interface

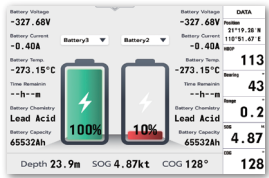
IP66
Ingress Protection



Gauges
Displays Engine, Genset, Rudder, and working condition

DIFFERENT DISPLAY MODES

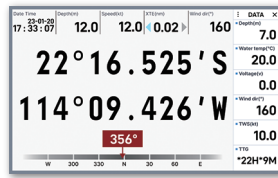
Various display mode includes: Plotter, Navigation Data, Compass, AIS Display, Highway, Satellite Information, and Wind



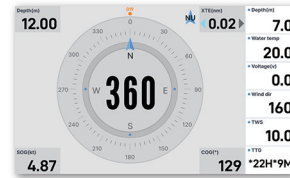
Battery



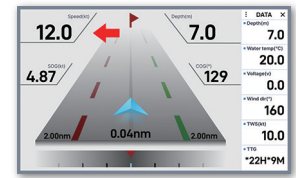
Plotter



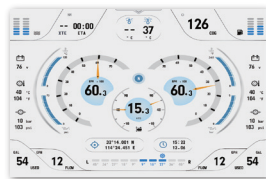
Navigation Data



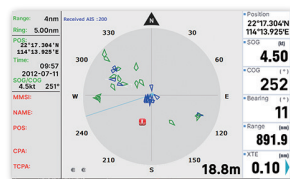
Compass



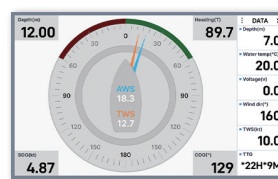
Highway



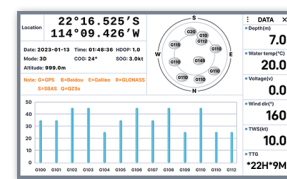
Gauges



AIS

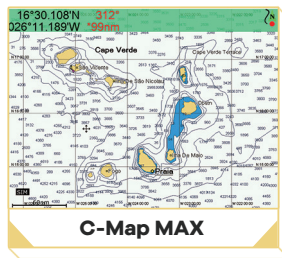
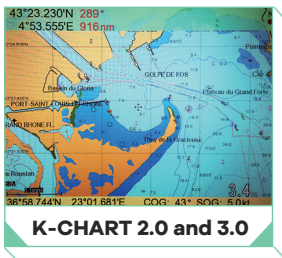


Wind



Satellite

SUPPORTED MAPPING SYSTEMS



STANDARD ACCESSORIES

- ◆ KA-012 GNSS Patch Antenna (For KP-25/27 SERIES) with 4m cable (SMA connector) Ingress Protection IP66
- ◆ Quick Start Manuals
- ◆ Standard installation materials



OPTIONAL ACCESSORIES

- ◆ KA-09 GNSS Marine Antenna External GNSS Antenna with 10m cable



GNSS CHART PLOTTERS WITH FISH FINDER



KP-27F
7" Display
800x480 Resolution



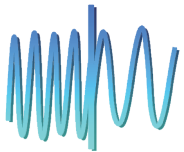
KP-25F
5" Display 800x480 Resolution



KP-29F
9" Display
1024x600 Resolution

Includes all features of GNSS chart plotters plus built-in Fish Finder feature
*Transducer needed

APPLICATIONS: Leisure, Fishery



MULTIPLE DISPLAY
(Frequency)



DUAL DISPLAY
Split Ratio is adjustable



Built-in Fish Finder



Multiple Display Modes



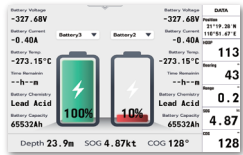
Auto Range and Gain



Time Variable Gain

DIFFERENT DISPLAY MODES

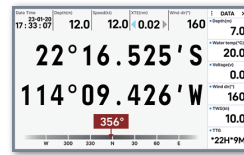
Various display mode includes: Plotter, Navigation Data, Compass, Highway, Sounder, Plotter + Sounder, AIS Display, Satellite Information, and Wind



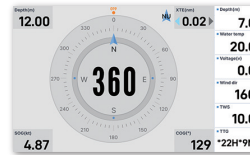
Battery



Plotter



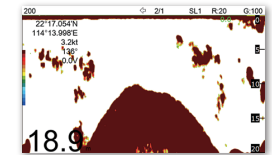
Navigation Data



Compass



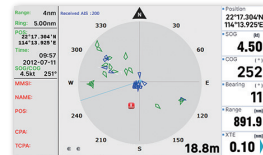
Highway



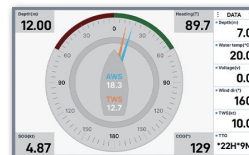
Fishfinder



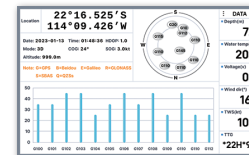
Gauges



AIS



Wind



Satellite



Plotter+FishFinder

STANDARD ACCESSORIES



- ◆ KA-012 GNSS Patch Antenna (For KP-25/27 SERIES) with 4m cable (SMA connector Ingress Protection IP66)

- ◆ Quick Start Manuals
- ◆ Standard installation materials



NMM40-50/200
BRONZE TRANSDUCER
Thru-hull Transducer 600W



KTD-TH520
PLASTIC TRANSDUCER
Thru-hull Transducer 600W



KTD-TM520
PLASTIC TRANSDUCER
Transom Mount Dual Frequency
600W



KA-09 GNSS Marine Antenna
External GNSS Antenna with
10m cable

GNSS CHART PLOTTERS WITH CLASS B+ AIS TRANSPONDER



KP-25A

5" Display 800x480 Resolution

*Includes all features of KP-25 with added Class B+ AIS Transponder



KP-27A

7" Display 800x480 Resolution

*Includes all features of KP-27 with added Class B+ AIS Transponder



KP-29A

9" Display 1024x600 Resolution

*Includes all features of KP-29 with added Class B+ AIS Transponder



*NOTE:

VHF Antenna needed for AIS transmission

KA-159

VHF Antenna

OPTIONAL ACCESSORIES



AIS DISPLAY
AIS target overlay



CLASS B+
AIS Transponder



exactTrax TRACKING SYSTEM
via exactEarth Services



AIS TRACK RECORDING
Record tracks of AIS targets



AIS LIST
Shows total AIS target around your boat



AIS TARGET INFORMATION
Can access ship's information



Built-in monitoring system

AIS FEATURES

- ◆ Transmits and Receives AIS messages and data from your vessel to Class A, Class B, AIS Base Station, AIS bouy (AtoN), AIS SART and vice versa
- ◆ ONWA Marine AIS encrypted technology
- ◆ CPA and TCPA is shown to ensure safe sailing
- ◆ Pop up alarm box when AIS rescue alarm (AIS SART or AIS MOB) is received

AIS TRACKING FUNCTIONS

- ◆ Clear Overlay of AIS targets on the mapping system (Plotter screen mode)
- ◆ AIS target information is shown when the cursor is pointing at an AIS target
- ◆ Optional selection of displaying the name of all AIS targets in real time

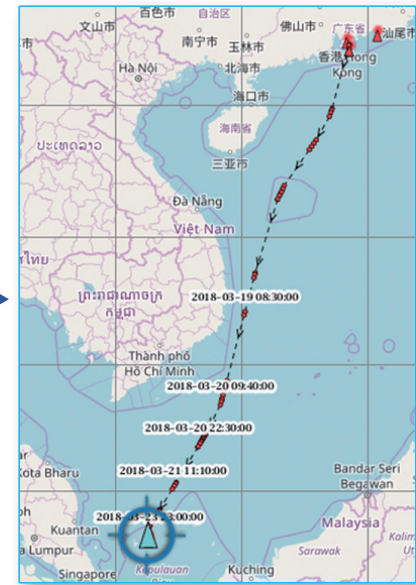
CLASS B+ TECHNOLOGY

- ◆ SOTDMA Technology
 - Same technology used by Class A
 - Guaranteed time slot Allocation
- ◆ 5W Transmission Power
 - Increases the range and AIS Satellite reception
 - enabling Global tracking
- ◆ Range: can be seen as far as 10-12nm
- ◆ Increased Transmission Rate (based on speed)

exactTrax™* a subscription Specify when ordering

- ◆ Track fishing boats and small commercial vessels with AIS Class B type transceivers across the globe
- ◆ Can send standard AIS message and exactTrax message (exactTrax message shows MMSI and positions only)
- ◆ ONWA AIS can connect other sensors to the AIS module, such as ultrasonic weather sensor and speed log, to send with exactTrax message

exactTrax showing position of a vessel sailing for 1 week from Hong Kong to Malaysia in multi-hour vessel track



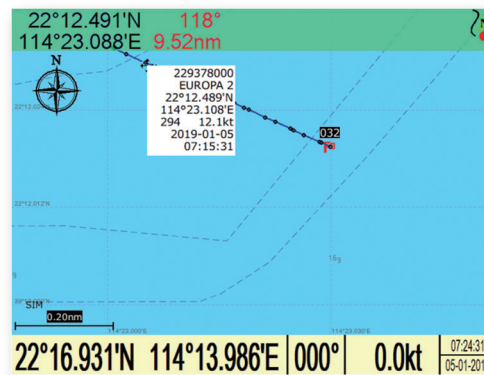
AIS TRACK RECORDING

- ◆ Ability to record tracks of AIS Targets
 - Auto AIS saved tracks: Automatically records nearest 10 AIS targets within 1nm (1,000 Max records, once 1,000 records is reached, earliest record will be deleted)
 - Manual AIS saved tracks: Record Manually selected AIS (Max = 10 targets/records)
- ◆ Recorded tracks are useful when checking the records during an accident
- ◆ Recorded AIS tracks can be reviewed and displayed in the Plotter screen

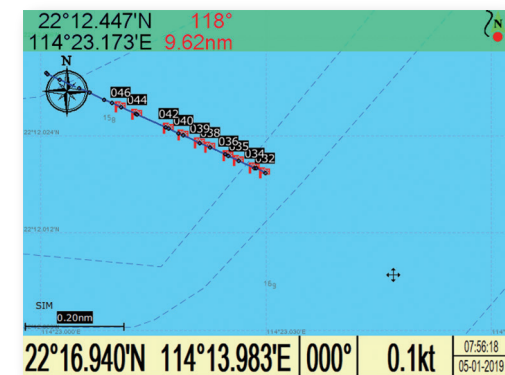
Color	MMSI	SHIP NAME	DATE	DIST	Pts
OFF	00353851000		2019-01-05	0.0nm	001
OFF	00566460000		2019-01-05	0.5nm	003
OFF	00374588000		2019-01-05	0.2nm	003
ON	00229378000	EUROPA 2	2019-01-05	1870nm	024

Used: 4 Remaining: 6

- ◆ Manually saved tracks of AIS targets



- ◆ Points in the track shows the location, date, time, SOG, COG, etc.



- ◆ Recorded track saved as a route

A COMPREHENSIVE RANGE OF HIGH RESOLUTION CHART PLOTTERS



KP-25X

GPS Chart Plotter with Class B+ AIS
Transponder, Fish Finder



KP-27X

GPS Chart Plotter with Class B+ AIS
Transponder, Fish Finder



KP-29X

GPS Chart Plotter with Class B+ AIS
Transponder, Fish Finder

KP SERIES MODEL



KP-25



















KP-25A



KP-25F



KP-25X

DISPLAY SIZE	5"	5"	5"	5"
RESOLUTION	800x480	800x480	800x480	800x480
GNSS	GPS+Beidou+GLONASS	GPS+Beidou	GPS+Beidou+GLONASS	GPS+Beidou
NAVIONICS+ COMPATIBLE	 NAVIONICS A Garmin Brand	 NAVIONICS A Garmin Brand	 NAVIONICS A Garmin Brand	 NAVIONICS A Garmin Brand
C-MAP MAX COMPATIBLE	 C-MAP	 C-MAP	 C-MAP	 C-MAP
K-CHART MAP	 K-CHART	 K-CHART	 K-CHART	 K-CHART
NMEA INTERFACE	NMEA0183 NMEA2000	NMEA0183 NMEA2000	NMEA0183 NMEA2000	NMEA0183 NMEA2000
GPS ANTENNA				
MULTIPLE SCREEN MODES	Yes	Yes	Yes	Yes
FISH FINDER FEATURE	NO	NO	Dual Frequency (50KHz & 200KHz)	Dual Frequency (50KHz & 200KHz)
BUILT-IN AIS	NO	CLASS B+	NO	CLASS B+

KP SERIES MODEL



KP-27



















KP-27A



KP-27F



KP-27X

DISPLAY SIZE	7"	7"	7"	7"
RESOLUTION	800x480	800x480	800x480	800x480
GNSS	GPS+Beidou+GLONASS	GPS+Beidou	GPS+Beidou+GLONASS	GPS+Beidou
NAVIONICS+ COMPATIBLE	 NAVIONICS A Garmin Brand	 NAVIONICS A Garmin Brand	 NAVIONICS A Garmin Brand	 NAVIONICS A Garmin Brand
C-MAP MAX COMPATIBLE	 C-MAP	 C-MAP	 C-MAP	 C-MAP
K-CHART MAP	 K-CHART	 K-CHART	 K-CHART	 K-CHART
NMEA INTERFACE	NMEA0183 NMEA2000	NMEA0183 NMEA2000	NMEA0183 NMEA2000	NMEA0183 NMEA2000
GPS ANTENNA				
MULTIPLE SCREEN MODES	Yes	Yes	Yes	Yes
FISH FINDER FEATURE	NO	NO	Dual Frequency (50KHz & 200KHz)	Dual Frequency (50KHz & 200KHz)
BUILT-IN AIS	NO	CLASS B+	NO	CLASS B+

KP SERIES MODEL



KP-29



KP-29A



KP-29F



KP-29X

DISPLAY SIZE	9"	9"	9"	9"
RESOLUTION	1024x600	1024x600	1024x600	1024x600
GNSS	GPS+Beidou+GLONASS	GPS+Beidou	GPS+Beidou+GLONASS	GPS+Beidou
NAVIONICS+ COMPATIBLE				
C-MAP MAX COMPATIBLE				
K-CHART MAP				
NMEA INTERFACE	NMEA0183 NMEA2000	NMEA0183 NMEA2000	NMEA0183 NMEA2000	NMEA0183 NMEA2000
GPS ANTENNA	Built-in	Built-in	Built-in	Built-in
MULTIPLE SCREEN MODES	Yes	Yes	Yes	Yes
FISH FINDER FEATURE	NO	NO	Dual Frequency (50KHz & 200KHz)	Dual Frequency (50KHz & 200KHz)
BUILT-IN AIS	NO	CLASS B+	NO	CLASS B+

CHIRP + Side Scan models

Traditional + CHIRP models



(Coming soon)

K-ProVision

Enhanced GPS Fishfinder with **Ultra Sensitive & Water-resistant Touchscreen** and Traditional Keypad Interface



User Definable Multi-mode Display

GNSS

Built-in GNSS antenna
integrated GNSS receiver, supporting multi-constellations, delivering uninterrupted, global coverage



High-Resolution CHIRP Scanning technology

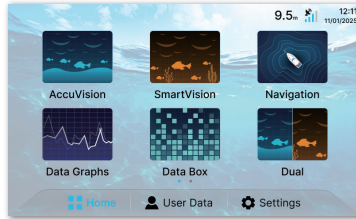


SEABED HARDNESS Display

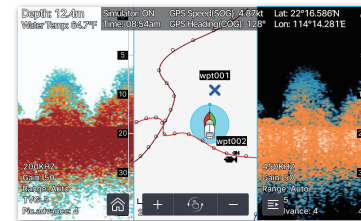
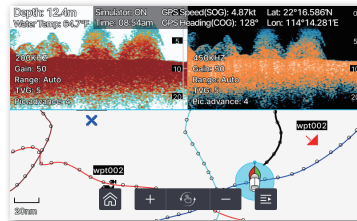
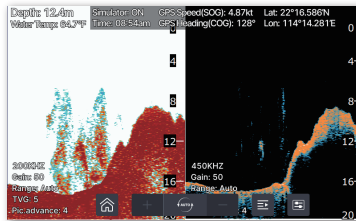
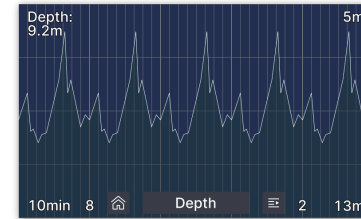


Built-in Traditional and Chirp Fishfinder

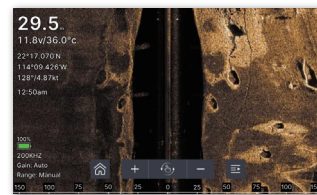
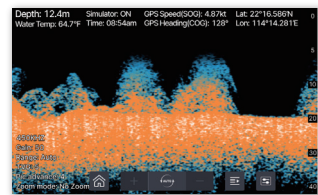
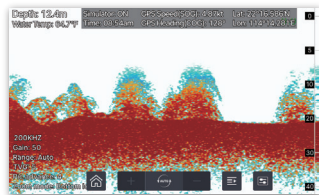
DIFFERENT DISPLAY MODES



Position	Bearing	Range
22°17.070'N 114°09.426'W	22 °	4.4 nm
ETA	TTG	Time
11:03	22H9M	11:03
Edit		



FISHFINDER DISPLAY



AccuVision

Traditional Fishfinder Display

SmartVision

Chirp Fishfinder Display

Side Scan (S series only)

Providing simultaneous high definition images on both sides of the vessel
(Coming soon)

OPTIONAL ACCESSORIES

- ◆ **Transducer KTD-TM520**
(for K-ProVision 5C K-ProVision 7C K-ProVision 9C)



- ◆ **KTD-TM820C CHIRP Transducer**
(for K-ProVision 5C K-ProVision 7C K-ProVision 9C)



- ◆ **KTD-TM480S Sidescan Transducer**
(in development)
(for K-ProVision 5S K-ProVision 7S K-ProVision 9S)



- ◆ Quick Start Manuals
- ◆ Standard installation materials

K-ProVision Series



K-ProVision 5C



K-ProVision 7C



K-ProVision 9C

DISPLAY SIZE

5"

7"

9"

RESOLUTION

800x480

800x480

1024x600

GNSS

GPS+Beidou+GLONASS

GPS+Beidou+GLONASS

GPS+Beidou+GLONASS

NMEA interface

N/A

N/A

N/A

Built-in GNSS Antenna

YES

YES

YES

User Definable Multi-mode Display

YES

YES

YES

Built-in Fishfinder

Traditional + CHIRP

Traditional + CHIRP

Traditional + CHIRP



KFISH-7

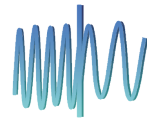
Color Digital Fish Finder



NEW FEATURE!
SEABED HARDNESS
Displayed



NEW!
SD Card Recording and
Playback Function



**MULTIPLE
DISPLAY**
(Frequency)



Optional
**HDMI
FEATURE**



Optional
**ETHERNET
PORT**

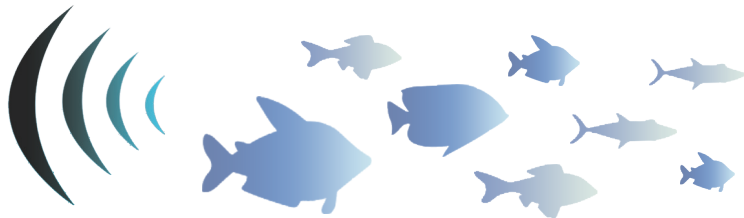


Time Variable Gain

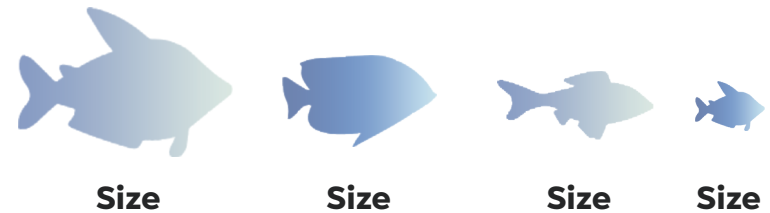


Auto Range and Gain

SONAR SOUND



FISH CALCULATOR



SPECIFICATIONS

- DISPLAY** : 7-inch TFT LCD
- FREQUENCY** : Dual (50 kHz and 200 kHz alternately transmitted)
- POWER** : 600W transceiver

STANDARD ACCESSORIES

- ◆ Standard installation materials

OPTIONAL ACCESSORIES

- ◆ Bronze Transducer or
 - ◆ Plastic Transducer
- *Please specify when ordering

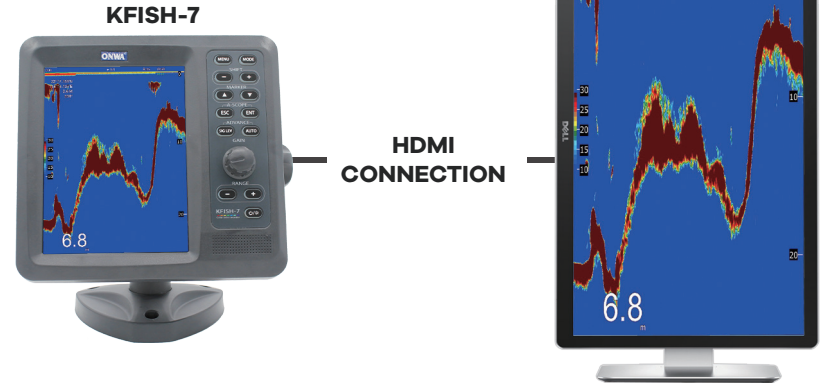


Bronze Transducer
(Optional)



Plastic Transducer
(Optional)

KFISH-7 CONNECTED TO A BIGGER DISPLAY VIA OPTIONAL HDMI CONNECTION



SONAR SOUNDS

- ◆ Sounds when fish or object is seen beneath your boat

16 COLORS ACCORDING TO INTENSITY

- ◆ Color bar shows 16 colors
- ◆ Can distinguish different strength of echoes by colors



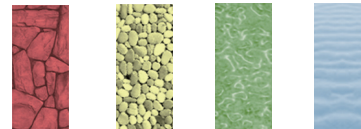
FISH MARKS

- ◆ Calculates and Displays the size of fish or school of fish automatically. Fish or School of fishes can be represented by circle or Fish Marks

SEABED HARDNESS

- ◆ Shows the user what type of sea bottom it is under the boat

- 1) Rock
- 2) Gravel
- 3) Mud
- 4) Sand



DISPLAY MODES

- ◆ Selection of Display Modes depending on your need (50 KHz, 200 KHz, Dual, 50 KHz/Zoom and 200KHz/Zoom)

ZOOM MODES

- ◆ Marker Zoom (the marker area is zoomed and displayed on the left side screen)
- ◆ Bottom Lock
- ◆ Zoom, & Bottom Zoom

KFISH-12

Color Digital Fish Finder



NEW FEATURE!
SEABED HARDNESS
Displayed



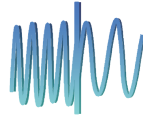
NEW!
SD Card Recording and
Playback Function



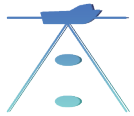
Optional
**ETHERNET
PORT**



Optional
**HDMI
FEATURE**



**MULTIPLE
DISPLAY**
(Frequency)



Time Variable Gain



Auto Range and Gain



APPLICATIONS: Leisure, Fishery

FISH CALCULATOR



Size



Size

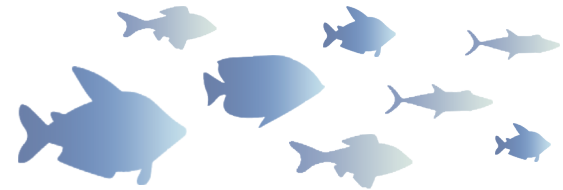


Size



Size

SONAR SOUND



SPECIFICATIONS

- DISPLAY** : 12.1-inch TFT LCD
- FREQUENCY** : *Dual Frequency* (50 kHz and 200 kHz alternately transmitted)
- POWER** : 1kW or 2kW transceiver

STANDARD ACCESSORIES

- ◆ Standard installation materials

Optional ACCESSORIES

- ◆ 1kW transducer or
 - ◆ 2kW transducer
- *Please specify when ordering*



TGM50-200B
TGM60-50B
1kW Transducer
(Optional)



TGM50-200A
TGM60-20A
2kW Transducer
(Optional)

KFISH-12 connected to a bigger display via
Optional HDMI connection

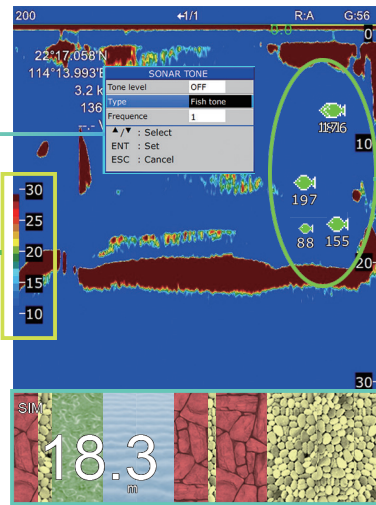


SONAR SOUNDS

- ◆ Sounds when fish or object is seen beneath your boat

16 COLORS ACCORDING TO INTENSITY

- ◆ Color bar shows 16 colors
- ◆ Can distinguish different strength of echoes by colors

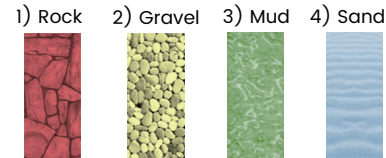


FISH MARKS

- ◆ Calculates and Displays the size of fish or school of fish automatically. Fish or School of fishes can be represented by circle or Fish Marks

SEABED HARDNESS

- ◆ Shows the user what type of sea bottom it is under the boat



DISPLAY MODES

- ◆ 50 KHz and 200 KHz **ONLY**
- **NO DUAL FREQUENCY DISPLAY MODE**

DISPLAY MODES

- ◆ Marker Zoom (the marker area is zoomed and displayed on the left side screen)
- ◆ Bottom Lock
- ◆ Zoom, & Bottom Zoom



KM-SONAR

Fish Finder Black Box

FEATURES

- ◆ KM-Sonar is a Fish Finder black box designed to work with a PC or ONWA Multi-function display onboard a boat to provide fish finder functions
- ◆ Transducer needed to connect to KM-Sonar
- ◆ Wide input supply voltage from 10.5VDC to 32VDC
- ◆ Can be suitable to use with any kind of vessels

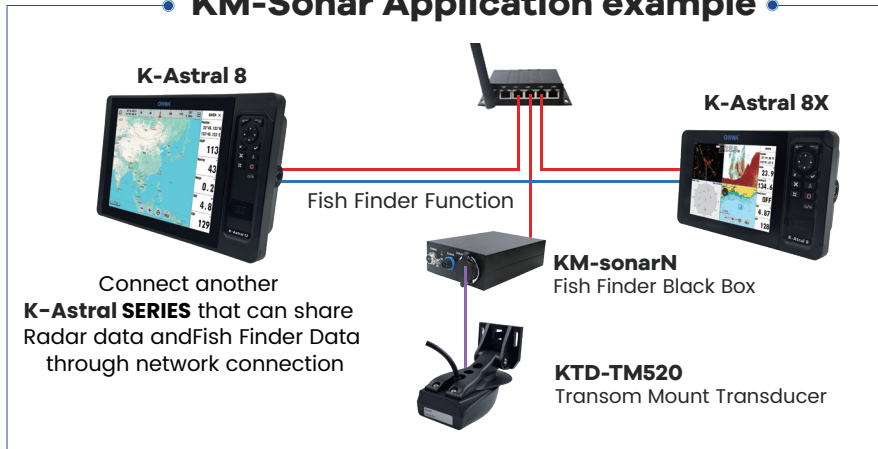
APPLICATIONS

- ◆ Expand your **K-Astral 12** to add Fish Finder functions by directly connecting KM-Sonar to the **K-Astral 12** Display
- ◆ Connect KM-Sonar to PC (with ONWA Fish Finder PC Software)

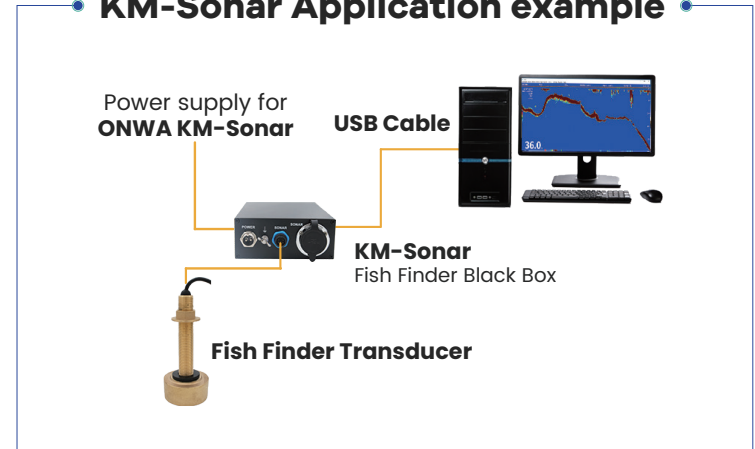
KM-SonarN (Ethernet Version)

- ◆ Can connect directly to KP-1299X or K-Astral 8/K-Astral 12 through Ethernet port or share to all plotters in the network through a KM-Router

• KM-Sonar Application example •



• KM-Sonar Application example •



TRANSDUCERS

For your Fish Finders



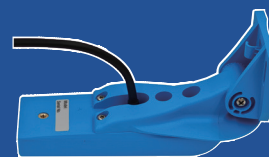
KTD-TM520

Transom Mount Dual Frequency
(50 & 200KHz)
Plastic Transducer w/
built-in temperature sensor
Transmit power : 600W



KTD-TH520

Transom Mount Dual Frequency
(50 & 200KHz) Plastic Transducer w/
built-in temperature sensor
Transmit power : 600W



KTD-TM480S

Transom Mount Transducer
(in development)



KTD-TM820C

Transom Mount Chirp Transducer w/
built-in temperature sensor
Transmit power : 600W



TGM50-200A TGM60-50A

Suitable for KFISH-12 2KW
(Heavy-duty transducers)



TGM50-200B TGM60-50B

Suitable for
KFISH-12 1KW
(Heavy-duty transducers)



NMM40-50/200-11

BRONZE TRANSDUCER
Thru-hull Transducer 600W
(50/200KHz dual frequency)

PULSE COMPRESSION RADAR

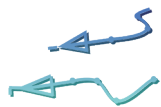
KRA-A50W_4

Open-array Antenna



KRA-R25W

Radome Antenna



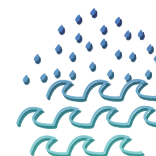
AIS DISPLAY

AIS target and radar target overlay



ARPA

Target tracking up to 40 targets



MULTIPLE CURVE

Sea and rain clutter



PULSE COMPRESSION

Advanced pulse compression technology with beam sharpening



SOLID STATE TECHNOLOGY

Minimal warm-up time and maximum oceangoing reliability

KRA-R25W



KEY FEATURES:

- **PULSE COMPRESSION TECHNOLOGY:**
Provides higher resolution and extended detection range, ensuring clear and accurate target detection.
- **HIGH ROTATION SPEED:**
60 RPM for real-time target updates.
- **DETECTION RANGE:**
Minimum 50 meters, maximum 36 nautical miles, suitable for both short and mid-range monitoring.
- **POWER OUTPUT:**
25W, adaptable to various weather conditions.

KEY FEATURES:

- **POWER OUTPUT:**
50W power for longer range (from 6m to up to 72nm) and higher-resolution target detection
- **ADVANCED PULSE COMPRESSION TECHNOLOGY:**
With beam sharpening for enhanced clarity.
- **QUICK START-UP:**
Ready instantly from standby, and in 16-25 seconds from power-on.

KRA-A50W_4



RADAR WITH AIS DISPLAY AND TARGET TRACKING

KR-10X8

Marine Radar with Display and Target Tracking

FEATURES

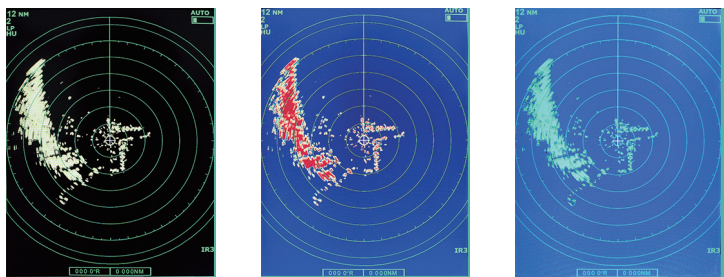
- ◆ Illuminated keypad
- ◆ USB for firmware update
- ◆ TFT LCD Display 9.7

**X-Band
Frequency**



APPLICATIONS: Leisure, Commercial (small vessels), Fishery

Capable to operate in diferent environments



ARPA

Target tracking up to 40 targets



MULTIPLE CURVE

Sea and rain clutter



USB System update



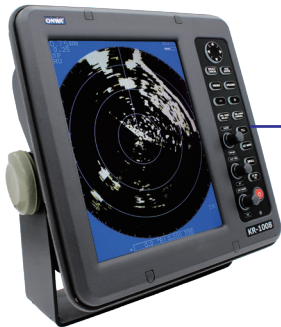
Multi-color selection



AIS DISPLAY

AIS target and radar target overlay

9.7" Display Unit
KRD-1007



KRA-1006

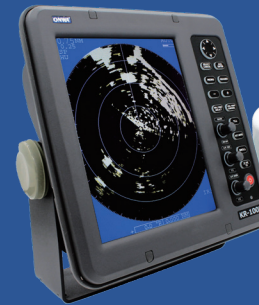
Radome Antenna
Power : 4KW



KRA-4001

Open-array Antenna
Available in 4ft (120cm) and 6ft (180cm)
Power : 4KW

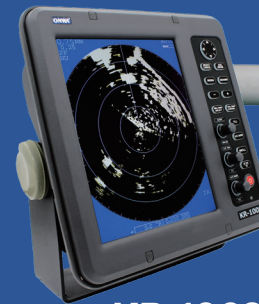
All open-array models are
*CCS type approved
*China Classification Society



KR-1008

KRA-1006
Radome

Range: up to 36nm
Power: 4KW
X-Band



KR-1068

KRA-4001
Open-array

Range: up to 64nm
Power: 6KW
X-Band

KR-1XX8

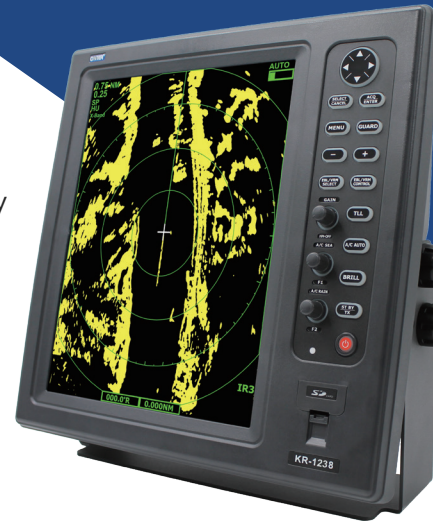
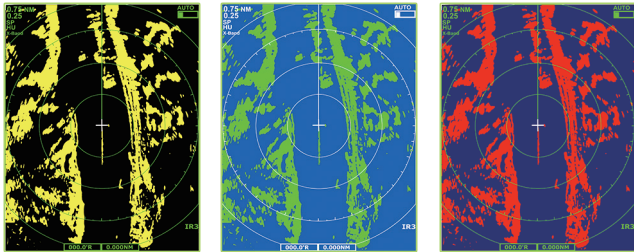
Color LCD Marine Radar with AIS Display and Target Tracking

FEATURES

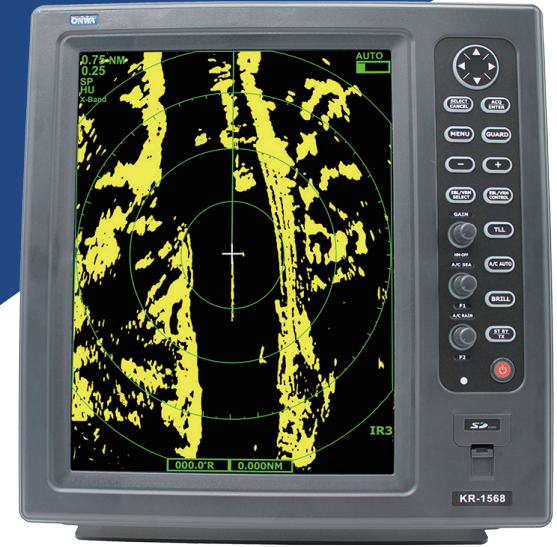
- ◆ Same features and functions as the KR-10X8 with
- ◆ a bigger display (12" or 15") for better visual of targets
- ◆ KR-1XX8 is suitable for medium vessels

APPLICATIONS: Leisure, Commercial (medium vessels), Fishery

• Selection of background and echo combinations •



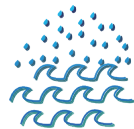
KR-1238/KR-1268 (12")



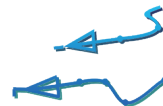
KR-1538/KR-1568 (15")



ARPA
Target tracking up to 40 targets



MULTIPLE CURVE
Sea and rain clutter



AIS DISPLAY
AIS target and radar target overlay



Multi-color selection



USB System update

KR-1238/KR-1268 (12")



KR-1538/KR-1568 (15")



KRA-1006
Radome Antenna
Power: 4KW



KRA-4001
Open-array Antenna
Available in 4ft (120cm)
and 6ft (180cm)
Power: 6KW

All open-array models are
*CCS type approved
*China Classification Society

KR-1238
Display: 12"
Range: up to 36nm
Power: 4KW

KR-1538
Display: 12"
Range: up to 64nm
Power: 6KW

KR-1268
Display: 15"
Range: up to 36nm
Power: 4KW

KR-1568
Display: 15"
Range: up to 64nm
Power: 6KW

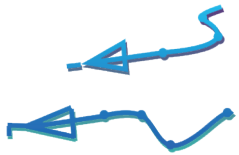
KR-1968-H

Color LCD Marine Radar with AIS Display and Target Tracking

FEATURES

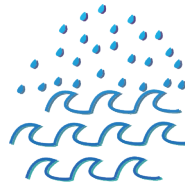
- ◆ TFT LCD Display 19"
- ◆ SD card slot
- ◆ External keyboard with trackball

APPLICATIONS: Commercial



AIS DISPLAY

AIS target and radar target overlay



MULTIPLE CURVE

Sea and rain clutter



ARPA

Target tracking up to 40 targets



Multi-color selection



USB System update

*Other functions and features are the same as **KR-10X8 and KR-1XX8**

Bigger screen size

- ◆ With a 19" display, unit gives the user a clearer visual of the targets nearby

Detachable keyboard

- ◆ Controls for the radar are through the keypad included in the set and allows a more simplified operation



Interface

- ◆ 1 VGA interface and 1 external alarm contact port

Antenna options

Can work with any of the following ONWA radar antenna:

- ◆ 6KW open-array antenna
- ◆ 12.5KW open-array antenna
- ◆ 25KW open-array antenna

*Specify when ordering



KRA-4001 (6KW)

Open-array Radar Antenna

*Also available in 120cm (RA-12) and 180cm (RA-18)



KRA-3002 (12.5KW)

Open-array Radar Antenna

*Also available in 180cm (RA-18)



KRA-5002 (25KW) NEW!

Open-array Radar Antenna

Available in 200cm

All open-array models are *CCS type approved

*China Classification Society

KM-ROUTER

WIFI and Ethernet Router



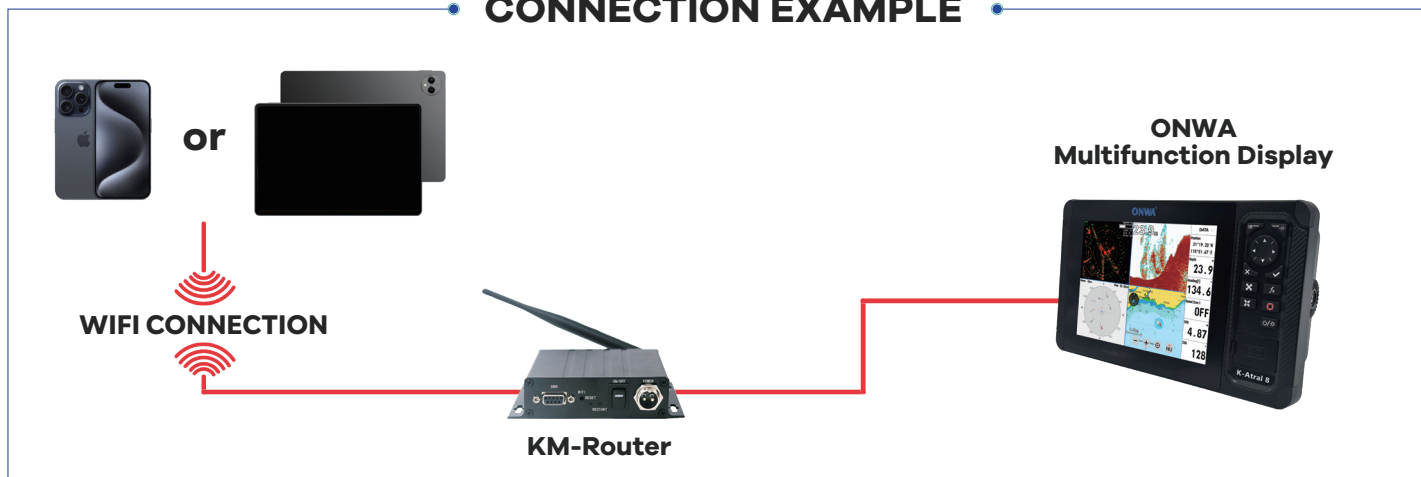
FEATURES

- ◆ Works with Other Brands to provide network sharing and WIFI function
- ◆ WIFI and Ethernet Router designed to be used onboard
- ◆ Has 1 WAN port, 4 LAN ports, 1 Serial port and 1 WIFI port
- ◆ Can convert serial signal to network signal

APPLICATIONS

- ◆ Connect ONWA Share network
- ◆ Connect ONWA Multi- Function Displays with ONWA Network Radar Antenna

CONNECTION EXAMPLE



KAP-866

Autopilot System

FEATURES

- ◆ No more “Rudder” and “Counter Rudder” adjustment is needed
- ◆ Automatic calculation against Wind and Current on sea (Auto Trim)
- ◆ Comes with high accuracy 9-axis electronic heading and GPS sensor
- ◆ Applies the most advance PID controller (proportional- integral-derivative controller)
- ◆ Suitable for most kind and size of vessels
- ◆ Real time GPS information display (Lon/Lat, SOG and COG)
- ◆ Steer your boat in almost a straight line in any weather condition

APPLICATIONS: Leisure, Commercial, Fishery

STANDARD ACCESSORIES



KA-GC9A/RS422

9-axis electronics compass with built-in high-accuracy GPS module



KRF-36

Light-duty rudder feedback unit



Navigate with GPS



Multiple alarm function



Choice of different vessel sizes

KAP-866 ACCESSORIES



KCS-20_0183
Digital Compass



KRI-80
Rudder Indicator



RT-580
Hand Remote Control



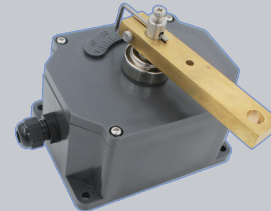
KW-250
Electronic Steering Helm



KGN-200
Gyro to NMEA Converter



KA-GC9A
9-axis electronic
compass with built-in high
accuracy GNSS module



KRF-35
Heavy-duty Rudder
Feedback Unit



KRF-36
Light-duty Rudder
Feedback Unit

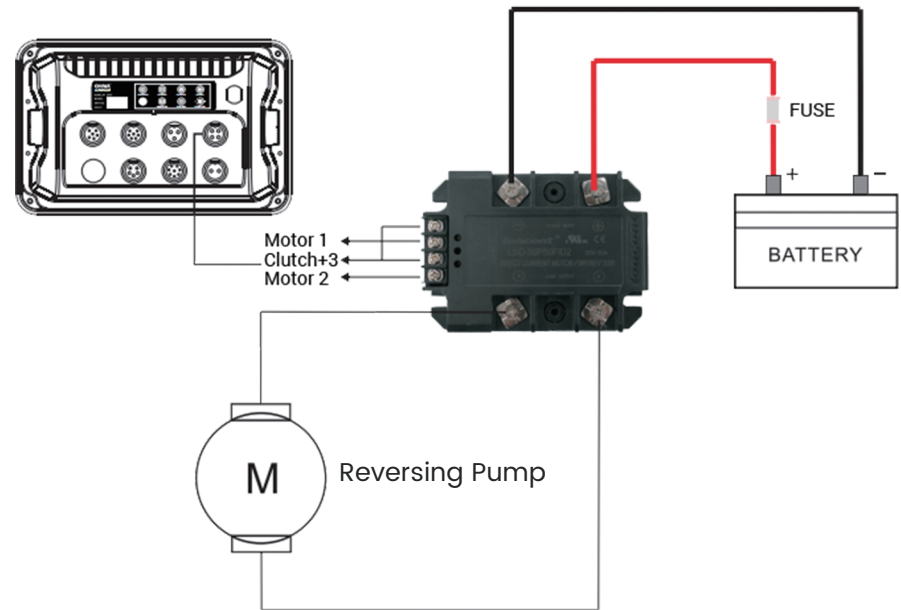


Power drive for Reversing Pump

LSD-50P-100FID2

High Current Power Drive with Isolated Power

Power Drive Connection

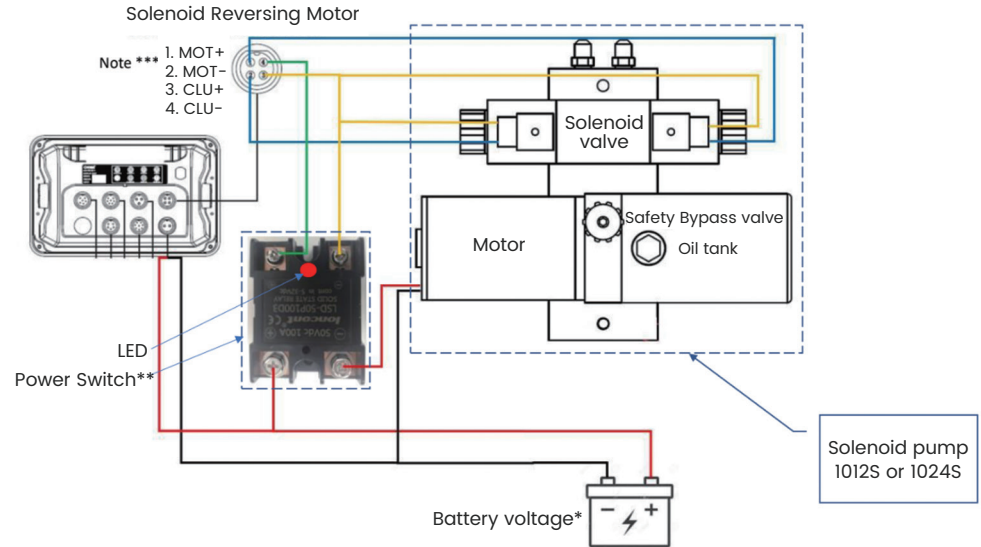
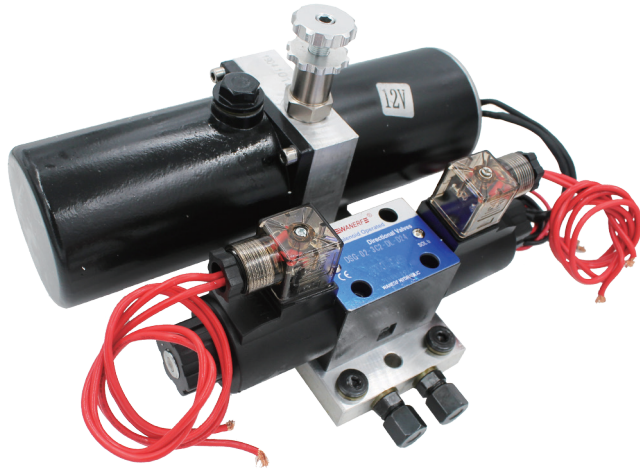


SPECIFICATIONS

- ◆ **Working Voltage**
From 12VDC up to 50VDC
- ◆ **Max Output Current**
100A
- ◆ **Voltage Drop**
Less than 0.1V

HYDRAULIC PUMPS

Optional Hydraulic Pumps



SOLENOID PUMP

CONNECTION OF SOLENOID PUMP TO KAP-866 AUTOPILOT

HYDRAULIC PUMPS MODEL SPECIFICATIONS

MODEL	WORKING PRESSURE	FLOW RATE	PUMP DISPLACEMENT	MOTOR POWER	MOTOR SPEED	WORKING CURRENT	SUGGESTED CYLINDER SIZE	FEATURE
1024S	NO LOAD	1170cc/min	0.29ml/r	300W24V	4000r/min	2-3A	150-300cc (9-18in ³)	Power drive needed (Can be directed to KAP-866)
	7 MPa	740cc/min	0.29ml/r	300W24V	2500r/min	10A		

KS-200A+

Class B+ AIS Transponder Black Box

FEATURES

The ONWA Class B+ AIS Transponder transmits and receives all data of nearby targets around your boat (with suitable VHF Antenna)



exactTrax™

- ◆ Track fishing boats and small commercial vessels
- ◆ Can send standard AIS message and exactTrax message
- ◆ ONWA AIS can connect other sensors to the AIS module, such as ultrasonic weather sensor and speed log, to send with exactTrax message

***NOTE:** To utilise exactTrax functionality, a subscription must be purchased

CLASS B+ AIS TECHNOLOGY

- ◆ **SOTDMA Technology**
 - Same technology used by Class A
 - Guaranteed time slot allocation
- ◆ 5W Transmission Power – increases the range and AIS Satellite reception enabling Global tracking
- ◆ Range – can be seen as far as 10nm to 12nm
- ◆ Increased Transmission Rate (**based on speed**)



AIS Technology



Built-in AIS Transponder



Sending received AIS
by WIFI



interface

MEB Supported

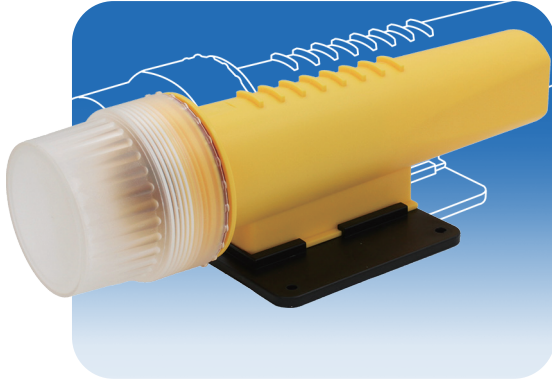
exactTrax™

IPX5
WATER PROOF

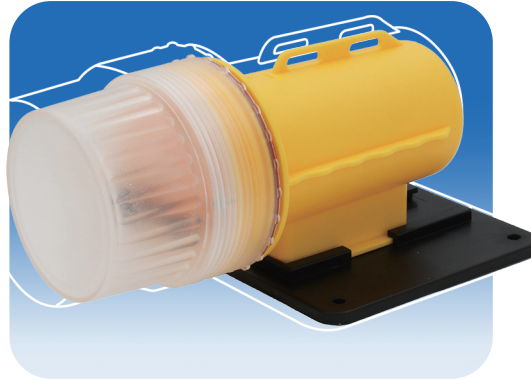
RS232 / 
Dual programming
interface

KS-33NT

AIS Tracking Device



KS-33NT
Internal Antenna



KS-33NT_X
External Antenna



KS-33NT_SART
Internal Antenna with SART button



KS-33NT
KS-33NT_SART
with Solar Panel
**Specify when ordering*



KS-33NT_X
with Solar Panel
**Specify when ordering*

FEATURES

- ◆ Easy tracking and retrieval
- ◆ ONWA Encrypted technology
- ◆ Customizable:
 - Specifications and usage design can be customizable depending on the application
Such as: low battery alarm, geo-fence, GPS lost alarm, AIS SART, etc.

exactTrax™

- ◆ Track fishing boats and small commercial vessels
- ◆ Can send standard AIS message and exactTrax message
- ◆ ONWA AIS can connect other sensors to the AIS module, such as ultrasonic weather sensor and speed log, to send with exactTrax message

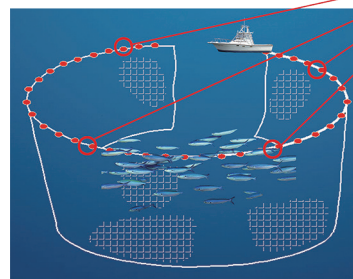
SPECIFICATIONS

STANDARDS	: IEC-62287 IEC 62287-2 Ed. 2.0:2017
POSITION UPDATE	: Every 3 minutes
WORKING FREQUENCY	: 161.975MHz / 162.025MHz
OUTPUT POWER	: 34.8dBm±1.5dBm
CHANNEL BANDWIDTH	: 25 KHz
TRANSMIT POWER	: 4W, 6.5W, 12.5W (specify when ordering)
WORKING VOLTAGE	: 7.4V (for 4W and 6.5W version),12V for 12.5W
VERSION WORKING TEMP	: -20 ~ 60°C
INDICATOR LED	: Status and battery indication
WORKING HOUR	: 360 hours continuously
WATERPROOF	: IPX7
TECHNOLOGY	: AIS
BATTERY	: Rechargeable Lithium

APPLICATIONS

- ◆ Geo-fence
- ◆ Tracking of Fish nets
- ◆ Tracking of Crab pots
- ◆ Fishery Management
- ◆ Boat tracking
- ◆ AIS AtoN
- ◆ AIS SART

Install several
KS-33NT on
the fishing net



- ◆ **Fishing net tracking and actual AIS signal transmitted**



- ◆ **The fishing net can be tracked with your AIS onboard**

KS-33R

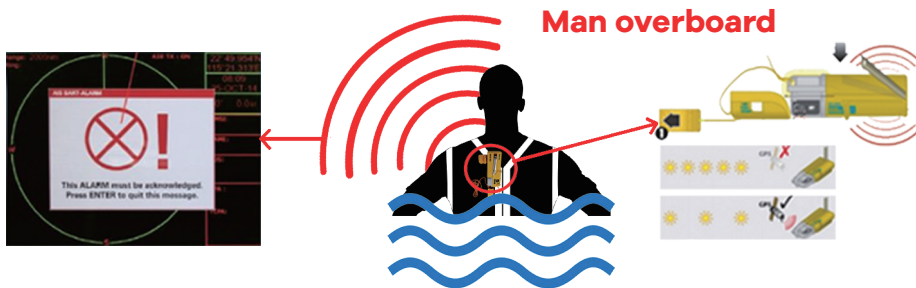
AIS MOB

LONG BATTERY LIFE

- ◆ 7 years
- ◆ Once activated: Minimum of 24 hours continuous operation



EASY RETRIEVAL



All vessels with AIS receiver installed within the range will receive rescue alarm in their AIS receiver

INCREASE SAFETY ON BOARD

Life Jacket Installation

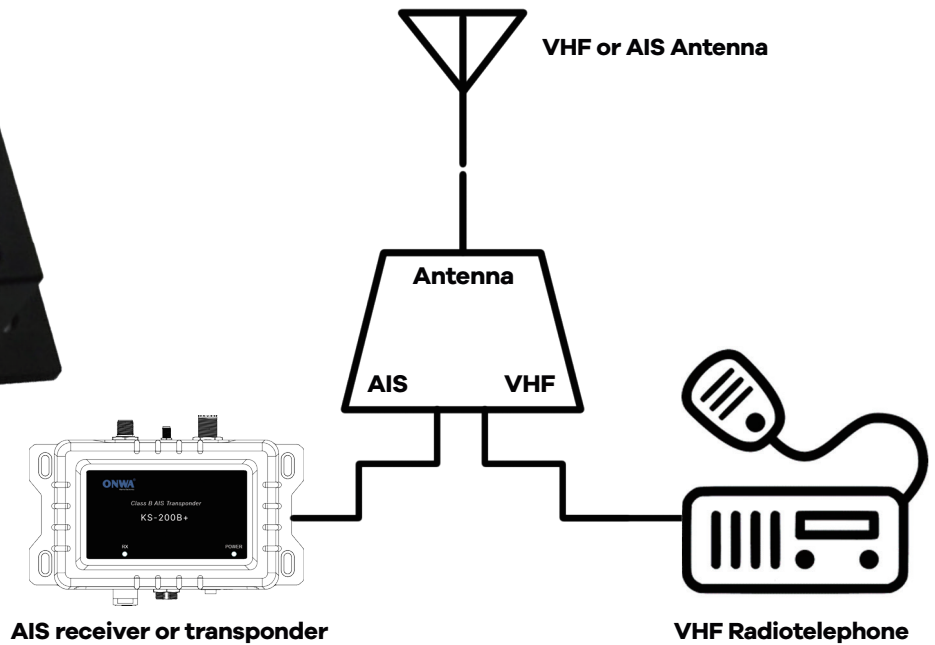


Once a person with AIS MOB has an overboard situation, a signal will be transmitted to all nearby standard Class A AIS, Class B AIS and AIS Receiver

KA-Splitter

AIS/VHF Antenna Splitter

KA-splitter is an antenna splitter specially designed for sharing an antenna with an AIS transponder (transmitter and receiver) or an AIS receiver device and a VHF radiotelephone onboard. KA-splitter is a passive device so no power supply is needed.

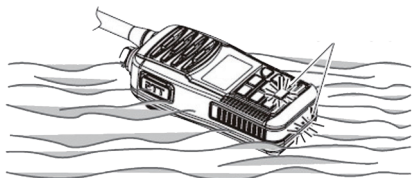


KV-28

Marine handheld VHF radiotelephone

- ◆ IP67 (1 meter depth for 30 minutes)
- ◆ Vibration Draining
- ◆ Dualwatch/ Tri-watch
- ◆ 3.7V Energy-Saving
- ◆ Battery Indicator
- ◆ Auto Scan
- ◆ 70 programmable Channel
- ◆ Call Channel
- ◆ Independent key for Channel 16 and Channel 9
- ◆ Transmit Power: 5W/1W
- ◆ Floats and Flashes
- ◆ (function works even when the radio is turned off)

Flashing warning signs



KV-290

Marine DSC VHF Radiotelephone

- ◆ ATIS function
- ◆ Transmit Power: 25W /1W
- ◆ Independent DSC Dedicated Receiver
- ◆ Built-in Class D DSC
- ◆ IPX7 Waterproof Construction (1 meter depth for 30 minutes)
- ◆ Common GPS/NAV Interface
- ◆ Vibration Water Draining Function
- ◆ Dual/Tri-Watch
- ◆ 70 programmable user channels
- ◆ Built-in GPS module (option)
- ◆ Receives Weather Channel
- ◆ Favorite Channel Function
- ◆ External Speaker Connection

KV-38



KV-38

Handheld VHF/DSC Marine Transceiver

- ◆ ATIS function
- ◆ Transmit Power: 25W /1W
- ◆ Independent DSC Dedicated Receiver
- ◆ Built-in Class D DSC
- ◆ IPX7 Waterproof Construction
- ◆ (1 meter depth for 30 minutes)
- ◆ Common GPS/NAV Interface
- ◆ Vibration Water Draining Function
- ◆ Dual/Tri-Watch
- ◆ 70 programmable user channels
- ◆ Built-in GPS module (option)
- ◆ Receives Weather Channel
- ◆ Favorite Channel Function
- ◆ External Speaker Connection

ACCESSORIES



Belt Clip



Antenna



Desktop
Charger



AC Adaptor



Li-ion Battery

KEC-70G

Digital Electronic Compass with GPS

PROVIDES GPS AND HEADING INFO

- ◆ Output of GPS and heading signal can be interfaced with other equipment onboard
- ◆ Waterproof and robust heading sensor suitable for outdoor marine conditions



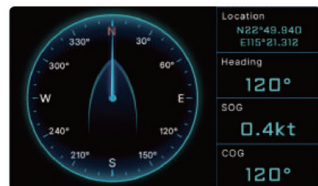
MULTIPLE DISPLAY MODES WITH PITCH AND ROLL INDICATION



Navigation data



Steering



Compass



Roll and Pitch

STANDARD ACCESSORIES

- ◆ KA-GC9A Heading Sensor
- ◆ Standard installation materials
- ◆ Heading Sensor option (specify when ordering)



NEW! KA-GC9A



KA-SC20



KA-SC90

APPLICATIONS: Fishery, Commercial

KCR-160

Digital Compass Repeater

- ◇ 4-Digit LED Heading Display readout
- ◇ Analog heading indicator by a rotating LED light
- ◇ Accuracy up to ± 0.1 degree
- ◇ Electrical interface of input ports and output ports support RS232, RS422 and RS485
- ◇ Repeating the input digital heading input to 2 outputs
- ◇ Wide range power supply 9V~32VDC
- ◇ Reverse power polarity protection
- ◇ Easy installation

KCR-160S

Digital Compass System

- ◇ Total solution marine electronic compass
- ◇ Electrical interface of output ports supports RS232, RS422 and RS485



**KCR-160 DIGITAL
COMPASS REPEATER**

KA-GC9A
9-axis Electronic
Compass



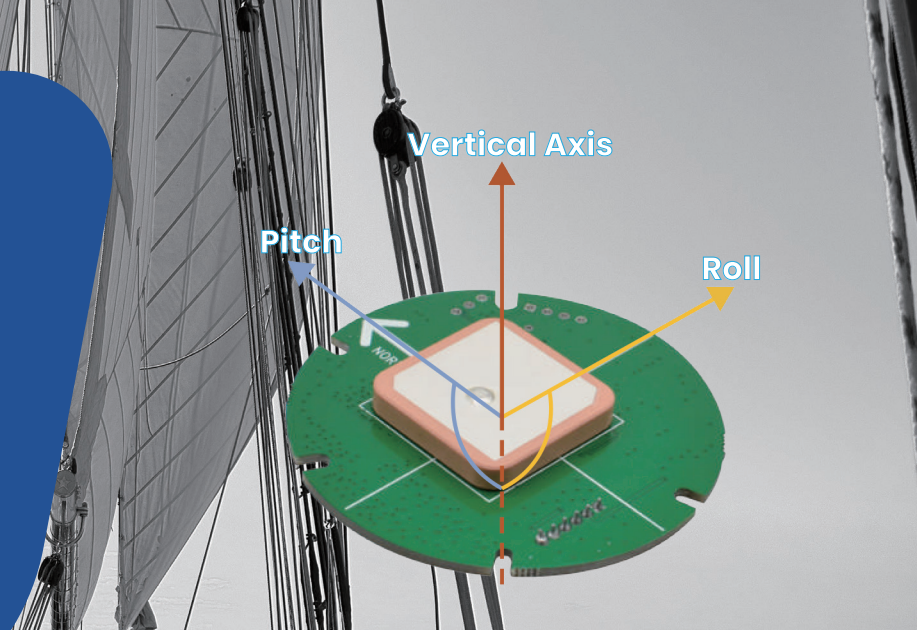
KCS-20_0183

Digital Compass Converter



FEATURES

- ◆ Converts Magnetic Heading to Digital Signal
- ◆ Output can be used as Heading Signal of Onboard Navigation Equipment
- ◆ Electrical Output: RS232 or RS485 or RS422
- ◆ Installation only needs to fix KCS-20_0183 on the surface of your magnetic compass



KA-GC9A/RS422

9-Axis Electronic Compass with built-in High Accuracy GNSS Module

FEATURES

- ◆ Low-Cost Solution for Heading Data
- ◆ Enhanced Performance
- ◆ User-Programmable
- ◆ Customizable GPS output sentences and baudrate
- ◆ Better Stability of Heading Output
- ◆ Real-Time Response Rate
- ◆ NMEA0183 Interface
- ◆ High-Grade Waterproof Housing
- ◆ Longevity of usage in the Marine Environment



KA-SC20

Heading Accuracy (RMS) 1°
Length: 20 cm



KA-SC90

Heading Accuracy (RMS) 0.4°
Length: 60 cm

SATELLITE COMPASS (GPS, BDS, QZSS)

TYPE APPROVE TO IMO REGULATIONS

FEATURES

- ◆ Type approve to IMO regulations
- ◆ Pre-type carrier phase decoding technology
- ◆ Beidou/GPS dual GNSS System with faster directional speed
- ◆ Advance speed and Course filtering technology for better data stability
- ◆ Built-in Gyro Compensation system for better heading performance
- ◆ Fast start, signal capture and heading update up to 50 times per second and turning rate up to 90°/s
- ◆ Multi-Channel standard NMEA0183 output providing high stability and high precision ship heading data and positioning data for other equipment on board
- ◆ Maintenance Free

KMR-7

Multi-function Display with NMEA0183 Multiplexer and NMEA2000



FEATURES

- ◆ Illuminated Keypad
- ◆ 7" Display
- ◆ SD Card Slot reserved for future function

APPLICATIONS: Leisure, Commercial, Passenger



Displays GPS Coordinates of your location and Highway screen



COMPASS
Displays COG or heading



Displays Apparent and True Wind speed and direction



WEATHER
Monitors the Change of Weather Temperature and Air Pressure

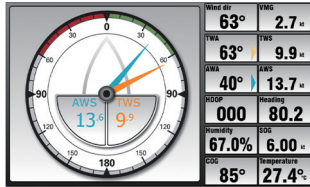


Displays external AIS info



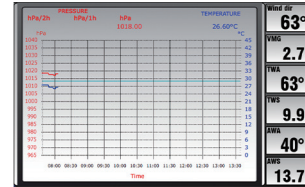
NMEA0183 Interface
NMEA2000

FUNCTIONS SUPPORTED



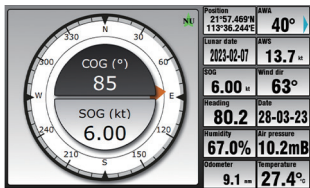
Wind

Displays True Wind Speed and True Wind Speed Angle
 Displays Apparent Wind Speed and Apparent Wind Speed Angle



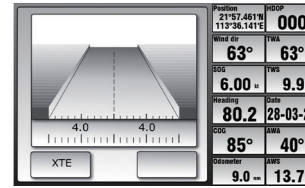
Weather

Monitors the Change of Weather Temperature and Air Pressure



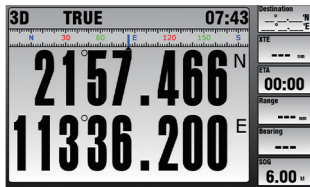
Compass

Displays COG (or Heading), both in digital and analog form
 Displays SOG



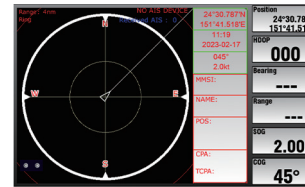
Highway

Displays direction to the set destination, direction to steer, course deviation and Cross Track Error (XTE) to stay on course



Navigation

Displays Navigation Information



AIS

Displays AIS targets
 Distance of AIS targets and TCPA alarm can also be set on this screen

NMEA0183 MULTIPLEXER

- ◆ Provides 4 NMEA0183 Input Ports and 2 NMEA0183 Output Ports
- ◆ Mix and Combine All 4 Input NMEA0183 Sentences into 2 NMEA0183 Output Sentences

NMEA2000

- ◆ Supports most major NMEA2000 PGNs



KW-360

Ultrasonic Weather Station

FEATURES

HIGH ACCURACY SENSOR

- ◆ Measures wind speed and direction, humidity, temperature, pressure

LOW MAINTENANCE

- ◆ No moving parts, does not need constant maintenance and does not require calibration

EXTERNAL DATA OUTPUT

- ◆ Navigational Data of the KW-360 can be shown when interfaced using RS232 or RS485 connector with ONWA Chart Plotters. Data such as temperature, wind speed and direction, etc., can be seen in the plotter when interfaced with KW-360
- ◆ Support Modbus protocol for industry use
- ◆ Support MDA sentence - Meteorological Composite (Obsolete)

MONITOR WEATHER CONDITIONS BY CONNECTING KW-360 TO A COMPUTER

- ◆ Recording and Playback of air temperature and air pressure data
- ◆ Displays the history of air temperature and air pressure in order to predict the weather change
- ◆ Display wind information (True and Relative)
- ◆ Able to connect heading and Lon/Lat Input
- ◆ Alarms when change in Wind, Temperature and Air pressure is violated (depending on user settings)
- ◆ Display Tidal data and Celestial



**KW-360 CAN ALSO
BE USED IN LAND
APPLICATIONS**

KW-360_mini

Ultrasonic Anemometer

FEATURES

HIGH ACCURACY SENSOR

- ◆ Measures wind speed and direction, humidity, temperature, pressure

LOW MAINTENANCE

- ◆ No moving or wearing parts, does not need constant maintenance, and no need to re-calibrate

LOW POWER CONSUMPTION

- ◆ Low power chip make its power consumption low to 0.2W

HOUSING STRUCTURE

- ◆ ABS shell allows a lighter weight and robust structure. Molded in thermoplastic also known as ASA, which has high outdoor weather ability.
- ◆ ASA is extremely resistant against UV radiation of sun, it is frost and heat resistant, standing all climatically conditions



KA-09

GNSS Marine Antenna

Support 4 GNSS system:

Working voltage range:

GPS, Beidou, Galileo and GLONASS

From 3.3VDC to 5VDC

Physical:

Enclosure:

High compact, corrosion-proof PC (polycarbonate) resin

Construction:

Hermetically sealed, fully waterproof

Dimensions:

81.7mm(D) X 91mm(H)

Weight:

200g (w/o cable & connector)

Mounting:

Pole mount to 1"-14 threaded pipe

Cable & Connector:

RF cable:

10m RG-59

Connector:

BNC connector supplied as standard

Environmental:

Operating temperature:

-30°C ~ +85°C

Storage temperature:

- 40°C ~ +90°C

Relative humidity:

95% non-condensing

Waterproof:

IPX7





KA-159

1.2m VHF ANTENNA

Installation

Easy to install with pole mount or can mount antenna directly on boat with self-tap screws

Option

10 meters cable with two side PL259 connector

Maximum Power Input-Watts

50w

FEATURES

Frequency Range(MHz)	:	156-163 MHz
Band	:	VHF
Gain (dBi)	:	3.5 dBi
Polarization	:	Vertical
Impedance	:	50 Ohm
Radiation	:	Omni
VSWR	:	≤1.5
Lighting Protection	:	Direct Ground
Waterproof	:	IP67

KC-2W

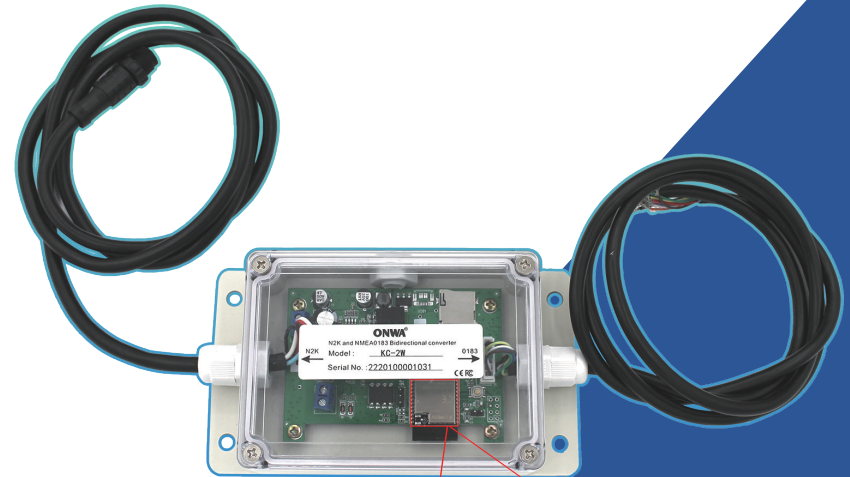
N2K (NMEA2000) and NMEA0183 Bidirectional Converter

FEATURES

- ◆ NMEA2000 Certified
- ◆ Converts NMEA0183 sentences to N2K (NMEA2000) PGNs
- ◆ Converts N2K (NMEA2000) PGNs to NMEA0183 sentences
- ◆ Support fuel flow sensor
- ◆ Firmware upgrade and NMEA0183 output baudrate by webpage configuration
- ◆ Built-in WIFI Solution

OTHER FEATURES

**RS232 TO USB
Converter**



**New MCU with
built-in WIFI**

KC-N2K_SK

N2K (NMEA2000) Starter Kit



FEATURES

Set Includes:

- ◆ 2 pcs. x terminating resistors
 - ◆ 1 pc. x 7-foot (210cm) extension cable and
 - ◆ 1 pc. x 15-foot (460cm) extension cable
 - ◆ 2 pcs. x T-connectors
 - ◆ 1 pc. x 7-foot (210cm) power cord
 - ◆ Allows you to build N2K (NMEA2000) Network for your vessel
 - ◆ Compatible with other Brands
- *Individual components available

NMEA DISTRIBUTION BOX

Takes two independent NMEA 0183 inputs and transmit a NMEA 0183 output to up to fifteen devices

- ◆ Power supply isolated
- ◆ High speed baudrate 38400

KMD-550 UP TO 15 NMEA OUTPUTS

12 RS422 outputs, 3 RS232 outputs and one speed closure signal
(or 15 RS232 and one speed closure signal)



KMD-210 UP TO 10 NMEA OUTPUTS

8 RS422 outputs and 2 RS232 outputs
(can be configured to 10 RS232 output)

KMD-402

Multiplexing 4 Inputs and combines to 2 outputs



FEATURES

- ◆ Input baudrate auto scan from 2400 to 115200
- ◆ Output baudrate can be set among 4800, 9600, 19200 and 38400
- ◆ Electrical interface of input ports and output ports supports RS232, RS422 and RS485
- ◆ Wide range power supply 9V~32VDC
- ◆ Reverse power polarity protection
- ◆ Easy installation

PRODUCT SIZE

- ◆ Size : 115 (L) x 90 (W) x 40 (H) (mm)
- ◆ Mounting holes : 105 (L) x 70 (W) (mm)

OUTPUT BAUDRATE SETTING

- ◆ Output Baudrate (default): 38400
- ◆ To set the output baudrate, just open the housing and set the dip switch as shown below:





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