

KMR-6 Quick Start Manual



Multi-function display with NMEA multiplexer

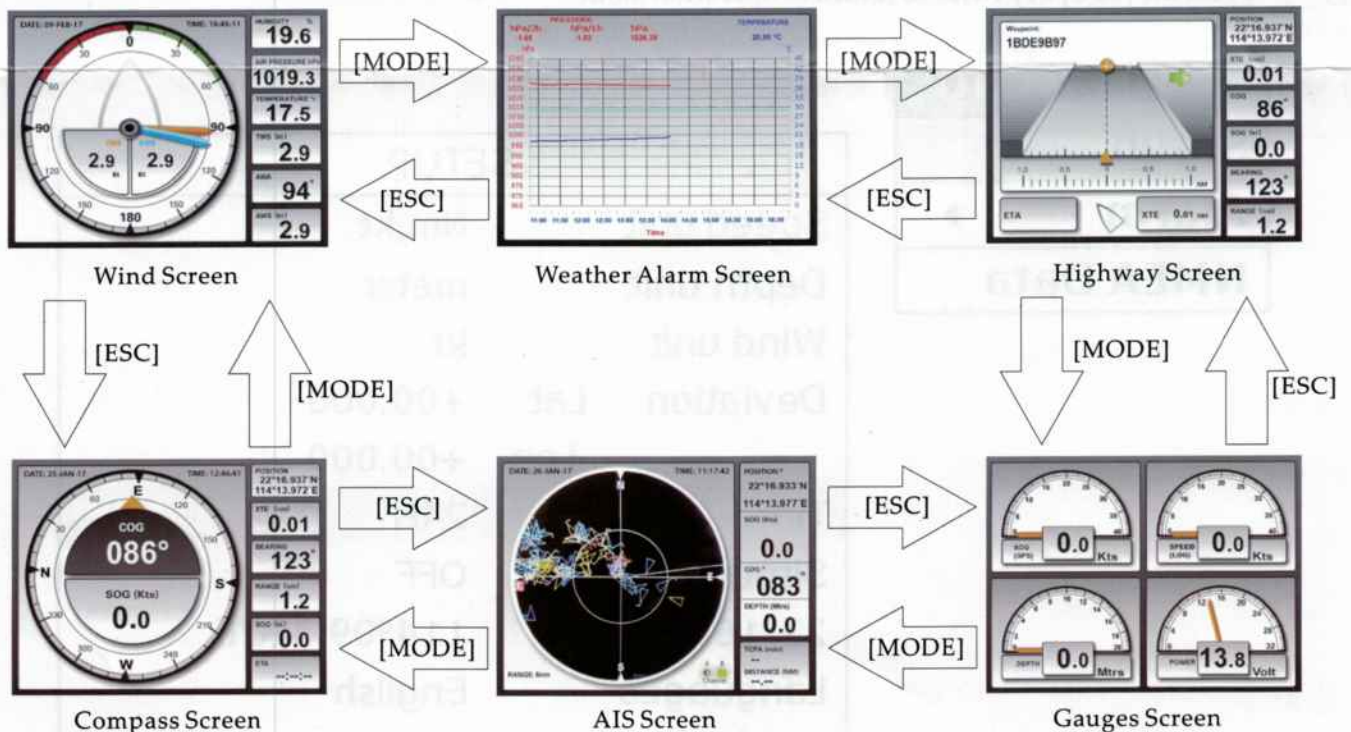
Turning power ON/OFF

Turn the Power ON by pressing the [POWER] key once to switch ON the unit with a "beep" sound.

Turn the Power OFF by pressing and holding down the [POWER] key until the display unit turns OFF.

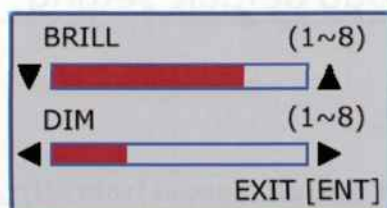
Display modes

Press [MODE] key to switch between the following order of display modes or press [ESC] key to change the display mode in reverse order.



Display brightness and contrast adjustment

1. Press the [POWER] key momentarily.



KMR-6 Quick Installation Manual



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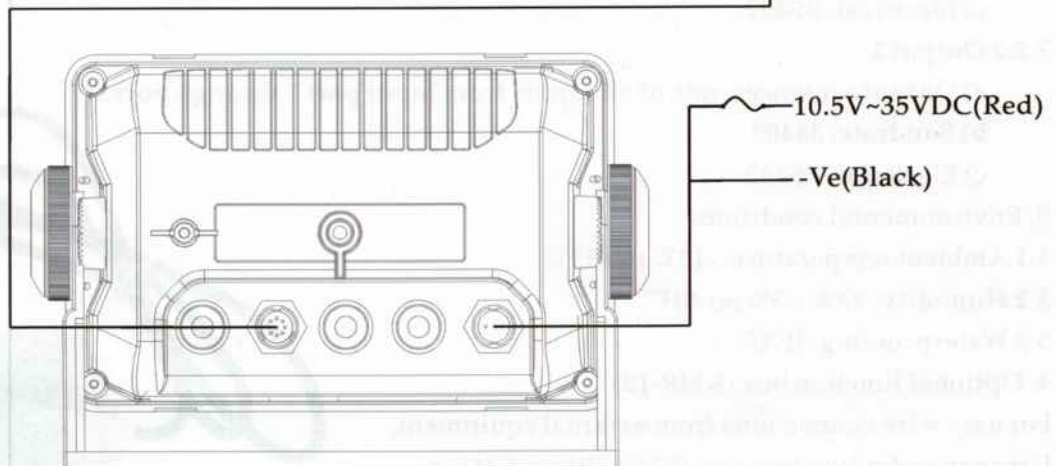
Verifying the contents

When you first time open the box of your KMR-6 Multi-function display unit, please confirm that you have the following items inside the box :

- Display unit KMR-6
- Mounting brackets
- Manuals (quick start and quick installation manual)
- Standard accessories pack (one power cable, one data cable, 2 spare fuses, 4 mounting screws)

Interconnection

- Input port1, baudrate=Auto(Pin1, Brown)
- Input port2, baudrate=4800(Pin2, Red)
- Input port3, baudrate=4800(Pin3, Orange)
- Input port4, baudrate=4800(Pin4, Yellow)
- NMEA-, common for input port1~4(Pin5, Black)
- NMEA-, common for AIS input, output port1 and output2(Pin6, Shielding)
- AIS input port, baudrate=38400(Pin7, Green)
- Output port 1, baudrate=4800(Pin8, Blue)
- Output port 2, baudrate=38400(Pin9, White)



Specifications

1. Power supply

1.1 Electrical: 10.5 ~ 35VDC

1.2 Protection: overcurrent, overvoltage, power transient and accidental reverse polarity protection

2. Output/Input (IEC61162-1)

2.1 Input: 5 x NMEA0183

2.1.1 Input port 1

a) Support sentences : AAM, APB, BOD, BWC, DBT, DPT, GGA, GLL, GSA, GSV, HDG, MTW, MWV, RMB, RMC, VHW, VTG, WPL, XTE, ZDA, HDM, HDT, MWD, VPW, VWR, VWT, XDR, ZDL.

b) Baudrate: auto scan up to 38400

c) Electrical: opto-isolated

2.1.2 Input port 2

a) Support sentences : AAM, APB, BOD, BWC, DBT, DPT, GGA, GLL, GSA, GSV, HDG, MTW, MWV, RMB, RMC, VHW, VTG, WPL, XTE, ZDA, HDM, HDT, MWD, VPW, VWR, VWT, XDR, ZDL.

b) Baudrate: 4800

c) Electrical: opto-isolated

2.1.3 Input port 3

a) Support sentences : AAM, APB, BOD, BWC, DBT, DPT, GGA, GLL, GSA, GSV, HDG, MTW, MWV, RMB, RMC, VHW, VTG, WPL, XTE, ZDA, HDM, HDT, MWD, VPW, VWR, VWT, XDR, ZDL.

b) Baudrate: 4800

c) Electrical: opto-isolated

2.1.4 Input port 4

a) Support sentences : AAM, APB, BOD, BWC, DBT, DPT, GGA, GLL, GSA, GSV, HDG, MTW, MWV, RMB, RMC, VHW, VTG, WPL, XTE, ZDA, HDM, HDT, MWD, VPW, VWR, VWT, XDR, ZDL.

b) Baudrate : 4800

c) Electrical: opto-isolated

2.1.5 AIS input port 5

a) Support sentences : AAM, APB, BOD, BWC, DBT, DPT, GGA, GLL, GSA, GSV, HDG, MTW, MWV, RMB, RMC, VHW, VTG, WPL, XTE, ZDA, HDM, HDT, MWD, VPW, VWR, VWT, XDR, ZDL, VDO, VDM

b) Baudrate: 38400

c) Electrical: RS232

2.2 Output: 2 x NMEA0183

2.2.1 Output port 1

a) Output sentences: mix of all inputs from Input port 1 through port 4

b) Baudrate: 4800

c) Electrical: RS232

2.2.2 Output 2

a) Output sentences: mix of all inputs from Input port 1 through port 5

b) Baudrate: 38400

c) Electrical: RS232

3. Environmental conditions

3.1 Ambient temperature: -15°C to +55°C

3.2 Humidity: 93% ±3% on 40°C

3.3 Waterproofing: IPX5

4. Optional Junction box (KMR-JB)

For easy wire connections from external equipment,

User can order Junction box (KMR-JB) for KMR-6.

KMR-JB has a clear label of all input and output ports with baud rate and polarity.

For more details, please consult your local ONWA distributor.



For more detail please download the full manual from <http://www.onwamarine.com>



Please consider the environment before printing the manual

2. Press ▲ or ▼ to adjust LCD display brightness.
3. Press ► or ◀ to adjust keyboard backlight.
4. Press [ESC] key to confirm and exit.

Menu operation

Pressing the [MENU] key once opens the Function Menu of each screen except "Gauges Screen".

Pressing the [MENU] key twice opens the Main Menu.

Note: Pressing the [MENU] key once in the "Gauges Screen" opens the Main Menu.

Press ▲ or ▼ to choose the menu item.

Press ► or ◀ to scroll the cursor on the selected menu item.

Press [ENT] to confirm changes to the selected item.

Press [ESC] to quit the menu operation.

Example: if you want to change the time difference from +00 to +08 you need to:

- Press the [MENU] key twice
- Use ▲ or ▼ to choose "Setup" in the "MAIN MENU"
- Use ► to move the cursor to the "SETUP" menu
- Use ▼ to scroll the cursor to the "Time" item
- Use ► to move the cursor to "+00" and press [ENT]
- Use ► to move the cursor to "00"
- Use ▲ or ▼ to change "00" to "08" and press [ENT] to confirm
- Press the [ESC] key twice to return to operation mode.

MAIN MENU	
Setup	►
Alarm	►
NMEA Data	

SETUP			
Speed unit		Nm,kt	
Depth unit		meter	
Wind unit		kt	
Deviation	Lat	+00.000	
	Lon	+00.000	
Time		24H	+08
Simulation		OFF	40
22°16.420'N		114°09.320'E	
Languages		English	
Key beep		ON	
Voltage offset		+0.0	
load default setting			

For more detail please download the full manual from <http://www.onwamarine.com>



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