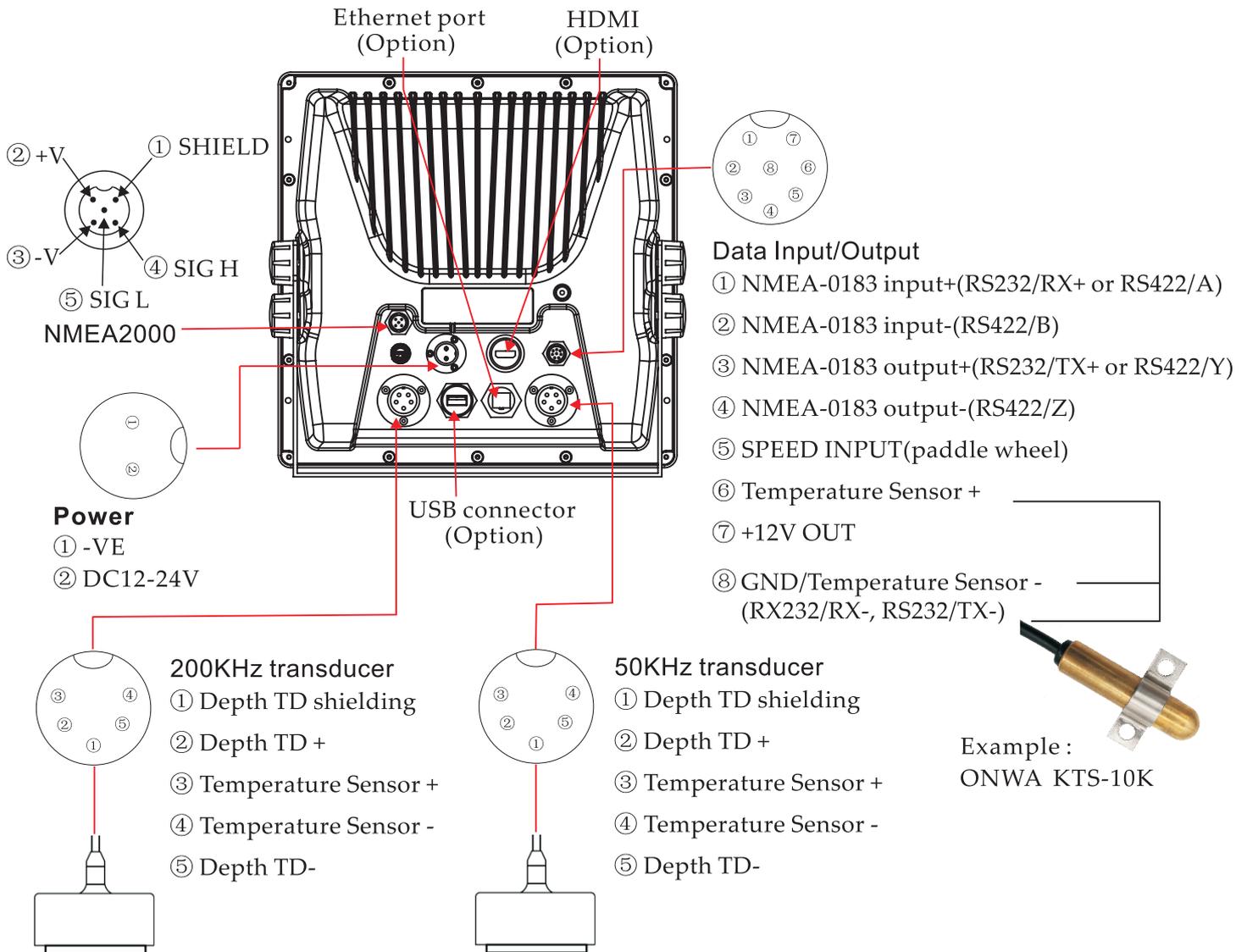


KFish-12 Quick Installation Manual



The fishfinder output power of KFish-12 is auto tuned to suit almost all types of 50KHz and 200KHz marine transducers.

Power connection

- Connect the "White" wire of the supplied power cable to the positive (+) side of your battery (12VDC or 24VDC).
- Connect the "Black" wire of the supplied power cable to the negative (-) side of your battery.
- Connect the power cable to the Power port (2 pins) at the back of your KFish-12.

Transducer connection

- Connect the 50KHz transducer to the 50KHz transducer port (5 pins) at the back of your KFish-12.
- Connect the 200KHz transducer to the 200KHz transducer port (5 pins) at the back of your KFish-12.

Temperature sensor and data connection (Optional Accessory)

- Connect the temperature sensor to either pin 6 & pin 8 of Input/Output port or pin 3 & pin 4 of either transducer port (50KHz or 200KHz transducer port).
- Connect the external GPS (in NMEA format) to either Input/Output port or NMEA2000 port.

- Connect the depth data (in NMEA format) from either Input/Output port or NMEA2000 port to external equipment.

Note : It is advised to consult an Onwa dealer or qualified technician for “Input/Output” connection.

Specifications

1.GENERAL

- | | |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (1) Display | 12.1 inches TFT LCD |
| (2) Echo Color | 16 colors (including background color) according to echo intensity. Monochrome display is also available. The background color is selectable from blue, light blue, white and black. |
| (3) Basic Range | Meters: 5/10/20/40/80/150/300/600/1000/2000
Feet: 15/30/60/120/200/400/1000/2000/3000/6000
Fathoms: 3/5/10/20/40/80/150/300/600/1000
Passi/Braza: 3/5/10/30/50/100/200/350/600/1000
The basic range can be changed on the system menu. |
| (4) Range Shift | Up to 1000 meters (3000 feet, 600 fathoms, 600 passi/braza) |
| (5) Zoom Range | Times 2,3,4 and 6 ranges |
| (6) Bottom Lock Expansion Range | 5/10/20meters,10/20/40feet,2/5/10fathoms,2/5/10passi/braza |
| (7) Auto Mode | Automatic adjustment of range and gain |
| (8) Display Mode | High Frequency (200K),Low Frequency (50K), Zoom (200K and 50K zoom) and A-scope Display |
| (9) Zoom Display | Marker Zoom, Bottom Zoom and Bottom-lock Expansion |
| (10) Display Advance Speed | Lines/TX:Freeze,1/8,1/4,1/2,1/1,2/1,4/1 |
| (11) TX Frequency Output power | 50 and 200kHz, 2KW(2000W RMS) |
| (12) Interference Rejecter | Rejects unwanted signals by comparing last and present echoes in strength. |
| (13) Alarm | Fish and Bottom alarms, Temperature alarm* |
| (14) Input/output data | 1.NMEA 0183:
Input: \$RMA, \$RMC, \$GLL, \$GGA, \$VTG, \$ZDA, \$HEV
Output:
\$SDDBS, \$SDDBT, \$SDDPT
\$POWAB/*only hardness output ONWA format**
\$SDSBH/*only hardness output ONWA format**
\$PHDX/*only hardness output HONDEX format**
\$PKODS/*only hardness output KODEN format**
2. NMEA2000:
Input PGN: 126992, 129539, 129540, 129025, 129026, 129092, 129033
Output PGN: 129259, 128267 |
| (15) Other options: | HDMI, USB, Ethernet port (please specify when ordering) |
| (16) Power supply: | 12-24VDC, 2.5A max. at 12VDC |

Note: *Temperature sensor required; **Seabed output format can be set in EXTENSION menu.

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

