

# ONWA<sup>®</sup>

Marine Electronics



## Model: **KV-290** VHF/DSC Marine Transceiver

- Independent DSC Dedicated Receiver
- Built-in Class D DSC
- IPX7 Waterproof Construction (1m Depth of Water for 30 Minutes)
- Common GPS/NAV Interface
- Vibration Water Draining Function
- Dual/ Tri-Watch
- ATIS function
- 70 programmable user channels
- Built-in GPS module (option)
- Receives Weather Channel
- Favorite Channel Function
- External Speaker Connection

## GENERAL

|                       |  |
|-----------------------|--|
| Frequency             | TX:156.025-157.425MHz<br>RX:156.050-163.275MHz |
| Modulation            | FM(16K0G3E),DSC(16K0G2B)                       |
| Frequency Stability   | ±10ppm   |
| Operating Voltage     | DC13.8V(±15%)                                  |
| Operating Temperature | -20°~+60°                                      |
| Antenna Impedance     | 50Ω  |
| Dimensions (W×D×H)    | 165mm×163mm×77mm                               |
| Weight                | 920g (Hand MIC Included)                       |

## TRANSMITTER

|                           |                        |
|---------------------------|------------------------|
| Output Power              | 25W\1W                 |
| Max. Frequency Deviation  | ±5kHz                  |
| Spurious Emissions        | ≤-70dB(H)<br>≤-56dB(L) |
| Adjacent Channel Power    | ≥70dB                  |
| Audio Harmonic Distortion | ≤10%                   |
| Current Consumption       | ≤5.5A (H)<br>≤1.5A (L) |
| Input Impedance           | 2kΩ(MIC)               |

## RECEIVER

|                                   |                         |
|-----------------------------------|-------------------------|
| Receive Sensitivity               | ≤0.2μV                  |
| Squelch Sensitivity               | ≤0.2μV                  |
| Adjacent Channel Selectivity      | ≥70dB                   |
| Spurious Response Rejection Ratio | ≥70dB                   |
| Intermodulation Rejection Ratio   | ≥70dB                   |
| Max. Receive Current              | ≤1.5A                   |
| Audio Output Power                | ≤4.5W(10%)              |
| GPS Signal Format                 | NMEA0183-2.0<br>or 3.01 |
| Output Impedance                  | 4Ω (Speaker)            |

## STANDARD ACCESSORIES

|                  |                        |
|------------------|------------------------|
| DC Power Cable   | Mounting Screw Package |
| Spare Fuse       | Instruction Manual     |
| Mounting Bracket |                        |