

# GMDSS MARINE PORTABLE RADIO STV-160

## Marine Two-Way VHF Radio Telephone

- Compliant with ITU-R, IMO Regulation
- ITU, USA, CANADA Channel Available
- Weather Channel Available
- Memory Scanning Function
- Dual Scanning Function
- Waterproof at 1m Depth for 5 Minutes
- Long Life Lithium & NiMH Battery
- Power Saving Functions
- Easy Operation with a Hand in Glove



**STV-160**

## GENERAL

|                             |  |
|-----------------------------|--|
| Channels                    | All current USA, International and Canadian channels, plus 10 Weather Channels                             |
| Channel Spacing             | 25KHz  |
| Supply Voltage              | 7.2 Vdc 1350mAH  |
| Current Drain               | Standby 40mA<br>RX:190mA st 0.5W audio output(1KHz)<br>TX:Less than 1A at 2W, 0.7A at 1W, and 0.6A at 0.5W |
| Operating Temperature Range | -20°C to +60°C   |
| Battery Life                | 8 Hours (TX :10%, Standby : 90%)   |
| Dimensions                  | 125mm(H)X65.1mm(W)X36mm(D)/4.92" (H)X2.55" (W)X1.41" (D)   |
| Weight                      | 420g   |

## TRANSMITTER

|                               |  |
|-------------------------------|--|
| Frequency Range               | 156.025 to 157.425 MHz                     |
| RF Output Power               | Selectable 2W, 1W, 0.5W into 50Ω at 7.2Vdc |
| Spurious Emissions & Harmonic | -65dB at 2W, -55dB at 1W and 0.5W          |
| AF Distortion                 | Less than 3% at 1KHz for ± 3KHz Deviation  |
| Max Deviation                 | ± 5KHz                                     |
| Frequency Satability          | ± 5ppm                                     |
| FM Noise                      | More than -40dB below audio                |

## RECEIVER

|                              |                                      |
|------------------------------|--------------------------------------|
| Frequency Range              | 156.025 to 163.275 MHz               |
| Circuit Type                 | Dual conversion superheterodyne      |
| Sensitivity                  | 0.2μV at 12dB SINAD                  |
| Adjacent Channel Selectivity | More than 70dB                       |
| Intermodulation Response     | More than 65dB                       |
| Spurious Response Rejection  | More than 70dB                       |
| Audio Output power           | 0.5W at 10% distortion into 8 Ω load |

## COMPONENT

| Component                                  | Model    | Q'ty |
|--|----------|------|
| Two-way VHF                                | STV-160  | 1    |
| Flexible Antenna                           | ANT-200  | 1    |
| Lithium Battery (For Emergency Use)        | SPL-80   | 1    |
| Nickel Metal Hydride Battery(Rechargeable) | SPN-72   | 1    |
| Standard Charger Kit with AC Adapter       | SC-62/63 | 1    |
| Belt Clip                                  | SA-64    | 1    |
| Installation Manual                        |          | 1    |

\* Specification is subject to change without pre-notice