

MARINE VHF/DSC RADIO TELEPHONE

STR-7000A

- ✓ ITU-R M.493-14 / M.541-10 standard is designed to fully meet the latest GMDSS CLASS A IMO regulation
- ✓ Integrated CH70 DSC dedicated receiver and DSC dedicated antenna connections enable simultaneous reception of DSC during transmission
- ✓ Clear color screen on large LCD displays all information over 160 characters
- ✓ High quality front built-in speakers
- ✓ Convenient Night Calls with LCD back-light

Meets GMDSS CLASS-A IMO Regulation



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FEATURES

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- ❖ Integrated CH70 DSC dedicated receiver and DSC dedicated antenna connections enable simultaneous reception of DSC during transmission

- ❖ Clear color screen on large LCD displays all information over 160 characters
- ❖ Remote function that enable up to 15 installation
- ❖ Ability to Store / Edit / Call MMSI number in 3 groups of 20 MMSI number
- ❖ Convenient channel selections and front built-in speakers
- ❖ Convenient Night Calls with LCD BACK-LIGHT

SPECIFICATIONS

GENERALS

- ❖ TX Frequency : 156.025MHz ~ 157.425MHz
- ❖ RX Frequency : 156.050MHz ~ 163.275MHz
- ❖ Number of Channels: 191 Channels (ITU:63, USA:57, CAN:61, WX:10)
- ❖ Type of Emission : FM(16K0G3E), DSC(16K0G2B)
- ❖ Communication Mode : Simplex and Semi-Duplex
- ❖ Antenna Impedance : 50Ω(SO-239)
- ❖ Freq. Stability : ± 10 PPM($-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$)
- ❖ Power supply : Input DC24V / Output DC13.8V / max 10A
- ❖ Consumed Currency (13.8V) : TX: 5.5A Max , RX: 1.5A Max
- ❖ Size / Weight : 136 x 220 x 175 / About 2.2kg

TRANSMITTER UNIT

- ❖ Antenna Output(13.8 V DC) : High/25W, Low/1W
- ❖ Starting Mode : SYNTHESIZER mode
- ❖ Max. Freq. Deviation : ± 5 KHz or less
- ❖ MIC Input Impedance : 2kΩ
- ❖ Spurious Emission : 70dB or less
- ❖ Adjacent Channel Power : -70 dBc or less

RECEIVER UNIT

- ❖ Receiving Mode : DOUBLE CONVERSATION SUPER HETERODYNE
- ❖ Intermediate frequency : 1st : 21.7MHz / 2nd : 450kHz
- ❖ Receiving Sensitivity : 20dB SINAD = 0.32uV or less
12dB SINAD = 0.22uV or less
- ❖ Squelch Sensitivity : 0.3uV
- ❖ Adjacent Channel Selectivity : 70dB or more
- ❖ Spurious Response Removal Ratio : 70dB or more
- ❖ Residual Noise Level : -40 dB or less
- ❖ Audio Output(13.8 V DC) : 4.5W / 4Ω(distortion factor 10% or less)

DSC WATCH KEEPING RECEIVER

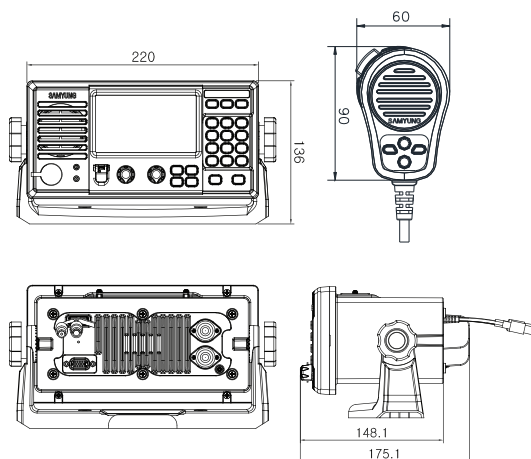
- ❖ Receiving Freq. : 156.525MHz
- ❖ Mode : 16K0G2B
- ❖ DSC Modulation Speed : 1200baud (± 30 ppm)
- ❖ DSC Modulation Quotient : PM/FSK (Within $M=2\pm 10\%$)
- ❖ Maximum Available Sensitivity : 0.25uV (10-2 Bit error rate or less)
- ❖ DSC Operation : ITU-R M.541-10 / ITU-R M.689-2
- ❖ DSC Protocol : ITU-R M.493-14 class-A

CONFIGURATION



DIMENSIONS

STR-7000A
WEIGHT : 2.2Kg



COMPONENTS

- ❖ VHF/DSC Radio Telephone Main Unit (STR-7000A)
- ❖ Condenser Microphone (SM-6000R-4M)
- ❖ Microphone stand
- ❖ User Manual
- ❖ Installation Material
- ❖ (Optional) GPS Antenna Cable
- ❖ (Optional) VHF Antenna (SAN-150)
- ❖ (Optional) Antenna Cable 15M
- ❖ (Optional) AC/DC Power Supply (SP-700)
- ❖ (Optional) External Speaker (SS-6000)
- ❖ (Optional) Flush Mount Brackets
- ❖ (Optional) Antenna Cable 30M
- ❖ (Optional) MIC Extend Cable 5M
- ❖ (Optional) VHF Antenna (SAN-240)
- ❖ (Optional) DSC/VHF Printer
- ❖ (Optional) VHF EMG Light

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