SSM-70H
Remote Station Microphone RAM4

The RAM4 (SSM-70H) allows you to remotely control all functions of the enabled Standard Horizon fixed mount VHF radio. The full dot matrix display and programmable keys make operation simple and fast. Additional features include turning the radio ON/OFF and all DSC functions including Distress. The RAM4 (SSM-70H) can be extended up to 70 feet using the optional CT-100 (23 feet) extension cable. The RAM4 (SSM-70H) is backed by an industry leading 3-years waterproof warranty.

Owner’s Manual
The details of the installation and operation of the RAM4 (SSM-70H) is included in the owner’s manual of the compatible fixed mount radio, or it can be downloaded at www.standardhorizon.com.

Front and Rear Panel

1. Power/VOL knob
   Press and hold this knob to turn the transceiver and the remote mic ON or OFF. Adjusts the speaker volume level.

2. DIAL/ENT knob
   While the normal screen is displayed, rotate the DIAL/ENT knob to select your desired channel. When the MENU screen is displayed, rotate the knob to select your desired menu item. Secondary use: Press this knob to enter a selection in the MENU.

3. SQL key (Squelch control)
   Press this key to activate the squelch adjustment mode. Press the CH▲ or CH▼ key to adjust the squelch level.

4. PTT (Push-To-Talk) switch
   Push this switch to enable the transmitter.

5. CLEAR/● key
   Press this key to cancel a menu selection. Press and hold this key to activate the key lock function. Press and hold this key again to deactivate the key lock function.

6. Microphone
   The internal microphone transmits your voice reducing background noise using Clear Voice Noise Reduction Technology. Note: Position your mouth about 1/2” (1.5 cm) away from the microphone hole and speak in a normal voice.

7. △/▼ key
   Press these keys to switch the function of soft keys. Secondary use: While the MENU screen is displayed, press the key to slide the on-screen menu to the right/left side.

8. MENU key
   Press this key to access the MENU.

9. CH▼/CH▲ key
   These keys are used to change the operating channel. Press the key momentarily, the channel increases/decreases one step. Holding the key, the channel increases/decreases continuously. Secondary use: While the MENU screen is displayed, press the key to slide the on-screen menu upward/downward.

10. Display
    Full dot matrix display, 222 by 162 pixels.

11. Soft keys
    These three programmable keys can be customized in the setup menu to quickly access advanced functions of the radio.

12. Strobe Light
    When the [STROBE] soft key is pressed, the internationally-recognized Morse Code “S.O.S” message will light and flash repeatedly. From MENU → SETUP → CONFIGURATION → STROBE LED, you can select one option from “CONTINUOUS”, “SOS”, “BLINK 1”, “BLINK 2” and “BLINK 3”.

13. 16/S key
    Pressing this key immediately recalls channel 16 from any channel location. Holding down this key recalls the SUB channel (The default setting is channel 9). Pressing this key again reverts to the previous selected working channel.

14. Speaker
    The internal speaker is located here.

15. DATA jack
    Use the micro USB type B jack for RAM4 (SSM-70H) firmware updates. Note: When the DATA jack is securely covered with rubber cap, the SSM-70H meets the waterproofing performance.

16. DISTRESS key
    This key is used to send a DSC distress call.

Included Accessories and replacement part numbers
(1) 23 Feet Routing Cable (S8101512)
(2) Rubber Cap (RA052520A)
(3) Mounting Bracket (RA052510A) & Screws (U24312020 x 4 pcs)
(4) Microphone Hanger (RA0458800) & Screws (U40412220 x 2 pcs)
(5) Ferrite Cores (L9190212 x 2 pcs)
(6) Operating Manual

Optional Accessories
(1) CT-100 23 Feet Extension Cable
(2) MLS-300 External Loud Speaker
(3) MLS-310 10W Amplified External Speaker
Disposal of Electrical and Electronic Equipment

Products with the symbol (crossed-out wheeled bin) cannot be disposed of as household waste. Electronic and Electrical Equipment should be recycled at a facility capable of handling these items and their waste byproducts. Please contact a local equipment supplier representative or service center for information about the waste collection system in your country.

Specifications

Supply voltage .......................................................... 13.8 VDC (Supplied from the transceiver)
Current consumption .................................................. 400 mA @VOL Max. (Internal Speaker)
.................................................. 550 mA @VOL Max. (External Speaker)
.................................................. 200 mA @AF Mute
Operating Temperature ................................................... –4 °F to +140 °F (-20 °C to +60 °C)
MIC. Sensitivity (Typical) ............................................ 130 mVrms @ 1 kHz Tone with 94 dB(A)
MIC. Impedance .......................................................... 2 k ohms
AF output .............................................................. 2.0 W @ 8 ohms for 10 % THD (Internal Speaker)
.............................................................. 2.4 W @ 4 ohms for 10 % THD (External Speaker)
Display Size (Approx) .................................................. 1.7” x 1.2” (44 x 32 mm)
Display Resolution ....................................................... 222 x 162 dots
Case Size ............................................................... 2.5” x 5.3” x 1.3” (63 x 135 x 32.5 mm)
Weight (Approx) ......................................................... 13.05 oz (370 g)