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.

Front and Rear Panel

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.

Safety Precautions (Be Sure to Read)
Be sure to read the safety precautions of Operating Manual of the compatible transceiver to use this product safely.

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. While the MENU screen is displayed, rotate the knob to select your desired menu item.

③ SQL key (Squelch control)
Press this knob 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/On 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.

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.

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 LED
When the [STROBE] soft key is pressed, the Strobe LED will light or 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

Configuration Setup
SSM-70H operation is same as the enabled radio. This makes operation of the radio and SSM-70H microphone similar and much easier. The only difference is that the following two items are added to CONFIGURATION SETUP:

Strobe LED
When the [STROBE] soft key is pressed, the Strobe LED will light and flash repeatedly.

1. [MENU]  “SETUP”  “CONFIGURATION”  “STROBE LED”

2. Rotate the DIAL/ENT knob to select the desired setting. The available Strobe settings are: “CONTINOUS” (default setting), “SOS”, “BLINK 1”, “BLINK 2”, or “BLINK 3”.

3. Press the [ENTER] soft key to store the selected setting.

4. Press the CLEAR/ key to return to radio operation.

5. When the [STROBE] soft key is pressed, the Strobe LED will light or flash repeatedly.

Speaker Select
The SSM-70H microphone can drive either the internal speaker or the external speaker. When connecting an external speaker, follow the procedure below to mute the SSM-70H speaker and enable the external speaker that is connected to the wires on the SSM-70H routing cable.

1. [MENU]  “SETUP”  “CONFIGURATION”  “SPEAKER SELECT”

2. Rotate the DIAL/ENT knob to select “INTERNAL” or “EXTERNAL”, then press the [SELECT] soft key.

3. Press the CLEAR/ key to return to radio operation.

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)
........................................................................... 1.7” x 1.2” (44 x 32 mm)
Display Resolution .................................................. 222 x 162 dots
........................................................................... 2.5” x 5.3” x 1.3” (63 x 135 x 32.5 mm)
Weight (Approx) ..................................................... 13.05 oz (370 g)

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.

YSUUSU USA
6125 Phydis Drive, Cypress, CA 90630, U.S.A.

YSUUSUK
Unit 12, Sun Valley Business Park, Wimnall Close
Winchester, Hampshire, SO23 0LB, U.K.

Declaration of Conformity
Type of Equipment: Remote Station Microphone
Brand Name: STANDARD HORIZON
Model Number: SSM-70H
Manufacturer: YAESU MUSEN CO., LTD.
Address of Manufacturer: Tennozu Parkske Building, 2-5-8 Higashi-Shinagawa,
Shinagawa-ku, Tokyo 140-0002 Japan

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The technical documentation as required by the Conformity Assessment procedures is kept at the following address:
Company: Yaesu USA
Address: 6125 Phydis Drive, Cypress, CA 90630, U.S.A.
Telephone: (714) 827-7600

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
• Consult the dealer or an experienced radio/TV technician for help.

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