Thank you for purchasing the HM-195B/HM-195SW REMOTE-CONTROL MICROPHONE. The COMMANDMIC™ is a remote control microphone for use with the IC-M423/IC-M424, IC-M400B, and future products. Carefully read the instruction manual of the transceiver you will use, before connecting and operating. These instructions describe only the remote-control operations.

1 Supplier accessories

Accessories included with the HM-195:
1) Connection cable (OPC-1540: 6 m; 20 ft) ........................................ 1
2) Mounting base ................................................................. 1
3) Connector cap ..................................................................... 1
4) Microphone hanger ............................................................ 1
5) Screws (M3 x 16 mm; self-tapping) ........................................ 5
* The OPC-1540 has external speaker leads, as illustrated to the right. (Yellow: Speaker (+); Black: Speaker (-))

2 Function display

1 BUSY/TRANSMIT ICON [See 1]
• [BUSY] appears when receiving a signal or when the squelch is open.
• [TX] appears while transmitting.

POWER ICON [See 3]
• [POWER] appears when high power is selected.
• [1W] appears when low power is selected.

RX SPEAKER ICON [See 1]
Appears while in the RX speaker mode.

CHANNEL GROUP ICON [See 3]
• Selected channel group icons, U.S.A. "USA," International "INT," Canadian "CAN," ATIS "ATIS" or DSC "DSC" appears, depending on the transceiver version.
• "WX" appears when the weather channel is selected.

CALL CHANNEL ICON [See 3]
Appears when the call channel is selected.

DUPLEX ICON [See 1]
Appears when a duplex channel is selected.

FAVORITE CHANNEL ICON [See 3]
Appears when a Favorite (TAG) channel is selected.

MAIL ICON [See 3]
Blinks when there is an unread message.

GPS ICON
• [STAYS ON] when the GPS receiver is activated and valid position data is received.
• Blinks when invalid position data is being received.

SWITCH ICON [See 3]
Appears when the ‘CH 16 SWITCH’ in DSC Settings is set to "OFF.

LOW BATTERY ICON
Blinks when the battery voltage drops to approximately 10 V DC or less.

3 Panel description

The HM-195 remotely controls the transceiver and provides an Intercom function.

Panel diagram

1) ENTER KEY [ENT] [See 3, 3, 3]
Push to set the input data, selected item, and so on.

2) UP AND DOWN/CHANNEL SELECT KEYS [CHAN][PTT] [CH]
Push to select the operating channels, Menu items, Menu settings, and so on. [See 3, 3, 3]

3) CHANNEL 16/CALL CHANNEL KEYPAD [16C]
Push to select Channel 16. [See 3, 3]
Hold down for 1 second to select the Call channel. [See 3, 3]
"CALL" appears when the Call channel is selected.
When the Call channel is selected, hold down for 3 seconds to enter Call channel programming mode. [See 3, 3, 3]

4) CLEAR KEY [CLEAR] [See 3, 3, 3]
Push to cancel the entered data, or to exit the Menu screen.

5) SOFTKEYS
Desired functions can be assigned in the Menu screen. See the transceiver’s manual for details.

6) VOLUME AND SQUELCH SWITCH/POWER SWITCH [VOL/SQ/L-PWR]
• When the power is OFF, hold down for 1 second to turn ON power. [See 3, 3, 3]
• Hold down for 1 second to turn OFF power.
• When the power is ON, push to enter the volume level adjustment mode. [See 3, 3, 3]
• Each push of this switch toggles the mode between the volume level adjustment, squelch threshold level adjustment, operating channel selection and the LCD and key backlight brightness adjustment, if assigned.
• Rotate to adjust the volume level! [See 3, 3, 3]
The desired function can be assigned in the Menu screen.

3 Softkey function

Various functions can be assigned to the softkeys. When a key function is displayed above the softkey, as shown below, consult your Icom dealer for details concerning which functions are preprogrammed into the keys.

Softkey function selection
When: "*" or "#" is displayed beside the key icon, pushing [*] or [#] sequentially shows the previous or next key function that is assigned to the softkey.

4 Channel selection

Channel 16
1) Push [16C] to select Channel 16.
2) Push [CH/WX] to return to the screen displayed before you selected Channel 16, or push [A] [CH] or [Y] [CH] to select an operating channel.

Call channel
Hold down [16C] for 1 second to select the Call channel of the selected channel group.
Push [CH/WX] to return to the screen displayed before you selected Call channel, or push [A] [CH] or [Y] [CH] to select an operating channel.
* [CHAN] appears except for a U.S.A. and Australian version transceivers.

Weather channels
(U.S.A. and Australian version transceivers only)
1) Push [CH/WX] once or twice to select a weather channel.
• "WX" appears when a weather channel is selected.
• "WX" appears when the Weather Alert function is in turned ON.
2) Push [A] [CH] or [Y] [CH] to select a channel.

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Channel selection

1. Push [MENU].
2. Rotate Dial or push [A] to select “Radio Settings,” and then push [ENT].
3. Rotate Dial or push [A] to select “CHAN Group,” and then push [ENT].
4. Rotate Dial or push [A] to select the desired channel group, and then push [ENT].

The selectable channel groups may differ, depending on the transceiver version.

Restriction

- Channel 70 cannot be used for transmission other than DSC.
- “LOCAL” appears when the receive Attenuator function is ON.
- “A” appears when a simplex channel is selected.
- “DUP” appears when a duplex channel is selected.

Hold down [PTT] to transmit, then speak at your normal voice level.

Push [HI/LO] to select the output power, if necessary.

Push [LO/DX] to turn the receive Attenuator function ON or OFF.

Hold down [PWR] to turn ON the power.

Push [EXIT] to exit.

Push [A] or [Y] to select a channel.

Entering a character

- Select a desired character using Dial,
or 

- Select “DELETE,” then push [ENT] to delete a character.

Push [CLEAR] to cancel and return to the previous screen.

Channel name programming

Each channel can be assigned a unique alphanumeric ID of up to 10 characters.
Capital letters, 0 to 9, some symbols (“ ! $ % & ’ ( ) * + , . / : ; < = > ? @ [ \ ] ^ _ ` { | } ~ ”) and a space can be input.

2. First, cancel the Dualwatch, Tri-watch or Scan function, if activated.
3. Push [NAME] to open the channel name programming screen.
   - A black box is displayed on the first character.

4. Enter the desired channel name in the following manner:
   - Select a desired character using Dial,
   - or 

5. When a signal is detected, the scan pauses until the signal disappears, or resumes after pausing 5 seconds, depending on the Set mode setting. (Channel 16 is still monitored during a Priority scan.)


The desired function can be assigned to [VOL/S/SQL](Dial). See the transceiver’s manual for details.

Channel selection

1. Select the desired channel group to be programmed. (See 3.)
2. Hold down [16(CH)] for 1 second to select the Call channel of the selected channel group.

   - “CALL” and the Call channel number appear.

3. Hold down [16(CH)] again for 3 seconds (until a long beep changes to 2 short beeps) to enter the Call channel programming mode.
4. Rotate Dial or push [A] or [Y] to select a channel.
5. Push [ENT] to program the displayed channel as the Call channel.

The desired function can be assigned to [VOL/S/SQL](Dial). See the transceiver’s manual for details.

Adjusting the squelch level

1. Push [VOL/S/SQL](Dial) one or more times to display the squelch adjustment screen.
2. Rotate [VOL/S/SQL](Dial) to adjust the squelch level.

   - The squelch is adjustable in 11 levels. OPEN is completely open; 10 is tight squelch; 1 is loose squelch.

   - If no key operation is performed for about 5 seconds, the selected squelch level is set, and returns to the normal mode.

3. Push [ENT] to set the level, and exit the squelch adjustment mode.

The desired function can be assigned to [VOL/S/SQL](Dial). See the transceiver’s manual for details.

Adjusting the volume level

1. Rotate [VOL/S/SQL](Dial), or push [VOL/S/SQL](Dial) one or more times to display the volume adjustment screen.
2. Rotate [VOL/S/SQL](Dial) to adjust the volume level.

   - The HM-195 has 20 volume levels and OFF.

   - If no key operation is performed for about 5 seconds, the HM-195 sets the selected volume level, and returns to the normal mode.
3. Push [ENT] to set the level, and exit the volume adjustment mode.

The desired function can be assigned to [VOL/S/SQL](Dial). See the transceiver’s manual for details.

Setting Favorite channels

1. Select the desired channel group. (See 3.)
2. Select the desired channel to be set as a Favorite channel.
3. Push [+] to set the displayed channel as a Favorite channel.
   - “••” appears on the display.
4. To cancel the Favorite channel setting, repeat step 3.
   - “••” disappears.
5. Hold down [16(CH)] for 3 seconds (until a long beep changes to 2 short beeps) to clear all Favorite channel settings in the selected channel group.
6. Repeat above procedure to set all channels as Favorite channels.

Starting a scan

1. Select Priority scan or Normal scan in the Menu screen.
2. See the transceiver’s manual for details.
3. Select the desired channel group. (See 3.)
4. Set the Favorite channels. (See 3.)
5. Make sure the squelch is closed to start a scan.
6. Push [SCAN] to start a Priority or Normal scan.

   - “SCAN 16” appears during a Priority scan; “SCAN” appears during a Normal scan.

   - When a signal is detected, the scan pauses until the signal disappears, or resumes after pausing 5 seconds, depending on the Set mode setting. (Channel 16 is still monitored during a Priority scan.)

   - Push [A] to check the scanning Favorite channels, change the scanning direction or manually resume the scan.

   - A beep tone sounds and “blinks” when a signal is received on Channel 16 during a Priority scan.

7. Push [CLEAR] to cancel and return to the previous screen.

Dualwatch/Tri-watch operation

1. Select Dualwatch or Tri-watch in the Menu screen.
2. See the transceiver’s manual for details.
3. Push [A] or [Y] to select the desired operating channel.
4. Push [DW] to start a Dualwatch or Tri-watch scan.

   - “Dual 16” appears during Dualwatch; “Tri 16” appears during Tri-watch.

   - A beep tone sounds when a signal is received on Channel 16.

5. Push [CLEAR] to cancel and return to the previous screen.

CLEAN THE HM-195 THOROUGHLY WITH FRESH WATER after exposure to saltwater, otherwise, the keys and switch may become inoperable due to salt crystallization.
Programming Individual/Group ID

1. Enter "INDIVIDUAL ID" or "GROUP ID" in the DSC SETTING menu.
2. Push [ADD].
   - The "INDIVIDUAL ID" or "GROUP ID" program screen is displayed.

3. Enter a desired ID in the following way:
   - Select a desired number using Dial, or [A] [Y] [F] [P].
   - Push [ENT] or Dial to set it.
   - To move the cursor, select either arrow, "←" or "→", then push [ENT] or Dial.
   - The first digit is specified as '0' for a Group ID.
4. Repeat step 3 to enter all 9 digits.
5. After entering, push [ENT] or Dial to set it.
   - The ID name programming screen is displayed.

Deleting Individual/Group ID

1. Enter "INDIVIDUAL ID" or "GROUP ID" in the DSC SETTINGS menu.
   - When no address is programmed, "No ID" is displayed. In this case, push [MENU] to exit the MENU screen.
2. Rotate Dial or push [A] [Y] [F] [P] to select a desired ID name, then push [DEL].
3. Push [OK] to delete the ID, and return to the "INDIVIDUAL ID" or "GROUP ID" list screen.
5. Push [MENU] to exit the MENU screen.

Position and time programming

1. Enter "POSITION INPUT" in the DSC SETTING menu.
   - Edit your latitude and longitude position using Dial, or [A] [Y] [F] [P].
   - Select a desired number using Dial, or [A] [Y] [F] [P].
   - Push [ENT] or Dial to set it.
   - To move the cursor, select either arrow, "←" or "→", then push [ENT] or Dial.
   - Push [CHG], then edit your latitude and longitude position and UTC time.
   - Push [CHG], then edit your latitude and longitude position and UTC time.
2. After entering the ID name, push [FINISH] to exit the DSC SETTINGS screen.
3. After entering the position, push [ENT] to program it.
4. The UTC time programming screen is displayed, enter the UTC time in the following way:
   - Select a desired number using Dial, or [A] [Y] [F] [P].
   - Push [ENT] or Dial to set it.
   - To move the cursor, select either arrow, "←" or "→", then push [ENT] or Dial.
5. Push [ENT] or Dial to program your position and time.
6. Return to the "DSC SETTING" screen.

Distress Call

The Distress call is automatically transmitted every 3.5 to 4.5 minutes, until an acknowledgement is received (Call repeat mode), or a DSC Cancel call is made (See 3).

Simple Call

1. Confirm no Distress call is being received.
2. While lifting up the key cover, hold down [DISTRESS] for 3 seconds to transmit the Distress call.
3. While holding down [DISTRESS], count down beeps sound and both the key and display backlighting blink.
4. The selected nature of the distress is stored for 10 minutes.
5. After transmitting the call, the transceiver waits for an acknowledgement call.
   - Push [RESEND] to manually transmit the Distress repeat call.
   - Push [EXIT] then push [INFO] to display the transmitted Distress call information.
   - Push [A] [Y] [F] [P] then push [PAUSE] to pause the 'Call repeat' mode; push [RESEND] to resume it.
6. After receiving an acknowledgement call, push [ALARM OFF], then reply using the microphone.

A distress alert contains:
- Nature of distress: Selected in step 1.
- Position information: The latest GPS or manual input position is held for 23.5 hours, or until the power is turned OFF.
- Position information:
- The latest GPS or manual input position is held for 23.5 hours, or until the power is turned OFF.
- Distress Cancel Call

- Nature of distress: Undesignated distress
- Position information: The latest GPS or manual input position is held for 23.5 hours, or until the power is turned OFF.
- Distress Cancel Call

- Select [A] [Y] [F] [P] then push [PAUSE] to pause the 'Call repeat' mode; push [RESEND] to resume it.
- The selected nature of the distress is stored for 10 minutes.
- After transmitting the call, the transceiver waits for an acknowledgement call.
- Push [RESEND] to manually transmit the Distress repeat call.
- Push [EXIT] then push [INFO] to display the transmitted Distress call information.
- Push [A] [Y] [F] [P] then push [PAUSE] to pause the 'Call repeat' mode; push [RESEND] to resume it.
- After receiving an acknowledgement call, push [ALARM OFF], then reply using the microphone.

When no GPS receiver is connected, and both position and time have been manually programmed, the screen shown below appears. Edit your latitude and longitude position and UTC time as follows:

1. Push [CHG], then edit your latitude and longitude position and UTC time.
2. Select a desired number using Dial, or [A] [Y] [F] [P].
4. To move the cursor, select either arrow, "←" or "→", then push [ENT] or Dial.
5. Select N (North latitude) or S (South latitude) when the cursor is on the 'N' or 'S' position.
6. Select W (West longitude) or E (East longitude) when the cursor is on the 'W' or 'E' position.

- The nature of the distress is stored for 10 minutes after a selection is made.
- The nature of the distress is stored for 10 minutes after a selection is made.
- Select [A] [Y] [F] [P] then push [PAUSE] to pause the 'Call repeat' mode; push [RESEND] to resume it.
- The selected nature of the distress is stored for 10 minutes.
- After transmitting the call, the transceiver waits for an acknowledgement call.
- Push [RESEND] to manually transmit the Distress repeat call.
- Push [EXIT] then push [INFO] to display the transmitted Distress call information.
- Push [A] [Y] [F] [P] then push [PAUSE] to pause the 'Call repeat' mode; push [RESEND] to resume it.
- After receiving an acknowledgement call, push [ALARM OFF], then reply using the microphone.

- Nature of distress: Undesignated distress
- Position information: The latest GPS or manual input position is held for 23.5 hours, or until the power is turned OFF.
- Nature of distress: Undesignated distress
- Position information: The latest GPS or manual input position is held for 23.5 hours, or until the power is turned OFF.
- The Distress call confirmation screen is displayed.
- Rotate Dial or push [A] [Y] [F] [P] to see the hidden lines.
- The Distress call confirmation screen is displayed.
- Rotate Dial or push [A] [Y] [F] [P] to see the hidden lines.
- After transmitting the call, the transceiver waits for an acknowledgement call.
- Push [RESEND] to manually transmit the Distress repeat call.
- Push [EXIT] then push [INFO] to display the transmitted Distress call information.
- Push [A] [Y] [F] [P] then push [PAUSE] to pause the 'Call repeat' mode; push [RESEND] to resume it.
- After receiving an acknowledgement call, push [ALARM OFF], then reply using the microphone.
Transmitting DSC calls

Transmitting a Group Call
1. Enter "GROUP CALL" in the DSC CALLS menu.
2. Select or enter the desired group address.
3. A confirmation screen appears.
5. Announce the information using the microphone.
6. After the announcement, push [EXIT] to return to the normal operating mode.

Transmitting an All Ships Call
1. Enter "ALL SHIPS CALL" in the DSC CALLS menu.
2. Select a desired traffic channel.
3. A confirmation screen appears.
4. Push [CALL] to transmit the All Ships call.
5. Announce the message using the microphone.
6. After the announcement, push [EXIT] to return to the normal operating mode.

Transmitting a Position Request Call
1. Enter "POSITION REQUEST" in the DSC CALLS menu.
2. Select or enter the desired individual address.
3. A confirmation screen appears.
4. Confirm the call contents.
5. Push [CALL] to transmit the Position Request Call.
6. After transmitting the reply call, the transceiver returns to the normal operating mode.

Transmitting an All Call
1. Enter a desired individual address or ID code to reply to, using Dial or [A]-[Y], then push [ENT].
2. Perform steps 1 to 7, as described in "Quick ACK." above.

Transmitting a Test Call
1. Enter "TEST CALL" in the DSC CALLS menu.
2. Select or enter the desired individual address.
3. A confirmation screen appears.
5. After the acknowledgment call is received, beeps sound.
6. Push [ALARM OFF] to stop the beeps, and then push [EXIT] to return to the normal operating mode.

Transmitting a Test Acknowledgement Call
Quick ACK:
1. When a Test call is received, beeps sound.
2. Push [ALARM OFF] to stop the beeps.
3. Push [ACK].
4. Push [INFO] to display the Test call information.
5. Push [BACK] to return to the previous screen, or push [ACK].
6. The Test ACK confirmation screen is displayed.
7. Push [CALL] to transmit the acknowledgment call.
8. After transmitting the acknowledgment call, the transceiver returns to the normal operating mode.

Quick Reply:
1. Enter a Polling Request call to reply to, using Dial or [A]-[Y], then push Dial or [ENT].
2. Push [ACK].
4. Push [BACK] to return to the previous screen, or push [ACK].
5. The Polling Request call confirmation screen is displayed.
7. After transmitting the reply call, the transceiver returns to the normal operating mode.

Manual ACK:
1. Enter "POSITION REPORT" in the DSC CALLS menu.
2. If no Position Request call has been received, the "POSITION REPORT" item will not be displayed.
3. Select a desired Position Request call to reply to, using Dial or [A]-[Y], then push Dial or [ENT].
4. Push [ACK].
5. Push [INFO] to display the Position Request call information.
6. Push [BACK] to return to the previous screen, or push [ACK].
7. The Position Report call confirmation screen is displayed.
9. After transmitting the reply call, the transceiver returns to the normal operating mode.

Manual Reply:
1. Enter "POSITIVE REPORT" in the DSC CALLS menu.
2. If no Position Request call has been received, the "POSITIVE REPORT" item will not be displayed.
3. Select a desired Position Request call to reply to, using Dial or [A]-[Y], then push Dial or [ENT].
4. Push [ACK].
5. Push [INFO] to display the Position Request call information.
6. Push [BACK] to return to the previous screen, or push [ACK].
7. The Position Request call confirmation screen is displayed.
9. After transmitting the reply call, the transceiver returns to the normal operating mode.

Manual ACK:
1. Enter "POSITIVE ACK" in the DSC CALLS menu.
2. If no Position Request call has been received, the "POSITIVE ACK" item will not be displayed.
3. Select a desired Position Request call to reply to, using Dial or [A]-[Y], then push Dial or [ENT].
4. Push [ACK].
5. Push [INFO] to display the Position Request call information.
6. Push [BACK] to return to the previous screen, or push [ACK].
7. The Position Request call confirmation screen is displayed.
9. After transmitting the reply call, the transceiver returns to the normal operating mode.

Manual Reply:
1. Enter "POSITIVE ACK" in the DSC CALLS menu.
2. If no Position Request call has been received, the "POSITIVE ACK" item will not be displayed.
3. Select a desired Position Request call to reply to, using Dial or [A]-[Y], then push Dial or [ENT].
4. Push [ACK].
5. Push [INFO] to display the Position Request call information.
6. Push [BACK] to return to the previous screen, or push [ACK].
7. The Position Request call confirmation screen is displayed.
9. After transmitting the reply call, the transceiver returns to the normal operating mode.

Transmitting a Polling Request Call
Quick Reply:
1. When a Polling Request call is received, beeps sound.
2. Push [ALARM OFF] to stop the beeps.
3. Push [ACK].
5. Push [BACK] to return to the previous screen, or push [ACK].
6. The Polling Request call confirmation screen is displayed.
7. Push [CALL] to transmit the acknowledgment call.
8. After transmitting the reply call, the transceiver returns to the normal operating mode.

Transmitting a Polling Reply Call
Quick Reply:
1. When a Polling Request call is received, beeps sound.
2. Push [ALARM OFF] to stop the beeps.
3. Push [ACK].
5. Push [BACK] to return to the previous screen, or push [ACK].
6. The Polling Request call confirmation screen is displayed.
7. Push [CALL] to transmit the acknowledgment call.
8. After transmitting the reply call, the transceiver returns to the normal operating mode.

Quick Reply:
1. When a Polling Request call is received, beeps sound.
2. Push [ALARM OFF] to stop the beeps.
3. Push [ACK].
5. Push [BACK] to return to the previous screen, or push [ACK].
6. The Polling Request call confirmation screen is displayed.
7. Push [CALL] to transmit the acknowledgment call.
8. After transmitting the reply call, the transceiver returns to the normal operating mode.

Quick Reply:
1. When a Polling Request call is received, beeps sound.
2. Push [ALARM OFF] to stop the beeps.
3. Push [ACK].
5. Push [BACK] to return to the previous screen, or push [ACK].
6. The Polling Request call confirmation screen is displayed.
7. Push [CALL] to transmit the acknowledgment call.
8. After transmitting the reply call, the transceiver returns to the normal operating mode.

Instructions 1) (11 to 15) or Instructions 3) (17 to 20) for other functions.

To ensure correct operation of the DSC function, make sure you set the squelch correctly.

Transmitting an Individual Call
1. Enter "INDIVIDUAL CALL" in the DSC CALLS menu.
2. Select or enter the desired individual address.
3. Select Routine, Safety or Urgency as the desired call type.

NOTE: When a coast station is selected in step 2, the voice channel is automatically specified by the coast station.
Therefore, skip step 3 and go directly to step 4.
4. Select a desired intership channel.
5. A confirmation screen appears.
6. Push [CALL] to transmit the individual call.
7. Standby on Channel 70 until an acknowledgement is received.
8. When the acknowledgement 'Unable to comply' is received, beeps sound and the screen below is displayed.

Manual ACK:
1. When no Individual call has been received, the "INDIVIDUAL ACK" item will not be displayed.
2. Select a desired individual address or ID code to reply to, using Dial or [A]-[Y], then push [ENT].
3. Perform steps 1 to 7, as described in "Quick ACK." above.
Receiving DSC calls

- **Receiving a Distress Call**
  1. Push [ALARM OFF] to stop the alarm and the blinking backlight.
  2. Push a softkey to select your desired action.

- **Receiving a Distress Acknowledgement**
  1. Push [ALARM OFF] to stop the alarm and the blinking backlight.
  2. Push a softkey to select your desired action.

- **Receiving an Individual Call**
  1. Push [ALARM OFF] to stop the alarm and the blinking backlight.
  2. Push a softkey to select your desired action.

- **Receiving a Distress Relay Call**
  1. Push [ALARM OFF] to stop the alarm and the blinking backlight.
  2. Push a softkey to select your desired action.

- **Receiving a Group Call**
  1. Push [ALARM OFF] to stop the alarm and the blinking backlight.
  2. Push a softkey to select your desired action.

- **Receiving a Geographical Area Call**
  1. Push [ALARM OFF] to stop the alarm and the blinking backlight.
  2. Push a softkey to select your desired action.

- **Receiving a Position Request Call**
  1. Push [ALARM OFF] to stop the alarm and the blinking backlight.
  2. Push a softkey to select your desired action.

- **Receiving a Position Report Call**
  1. Push [ALARM OFF] to stop the alarm and the blinking backlight.
  2. Push a softkey to select your desired action.

- **Receiving a Polling Request Call**
  1. Push [ALARM OFF] to stop the alarm and the blinking backlight.
  2. Push a softkey to select your desired action.

- **Receiving a Position Acknowledgement**
  1. Push [ALARM OFF] to stop the alarm and the blinking backlight.
  2. Push a softkey to select your desired action.

- **Receiving a Position Reply**
  1. Push [ALARM OFF] to stop the alarm and the blinking backlight.
  2. Push a softkey to select your desired action.

- **Receiving an All Ships Call**
  1. Push [ALARM OFF] to stop the alarm and the blinking backlight.
  2. Push a softkey to select your desired action.

- **Receiving a Distress Relay Acknowledgement**
  1. Push [ALARM OFF] to stop the alarm and the blinking backlight.
  2. Push a softkey to select your desired action.
Receiving DSC calls (Continued)

- Push [ALARM OFF] to stop the alarm and the blinking backlight.
- If [ALARM OFF] is not pushed within 2 minutes, the next screen may appear, depending on the call Category.
- Push a softkey to select your desired action.

Received Call Log

The transceiver automatically stores up to 50 transmitted calls and 50 other messages, and they can be used as a supplement to your logbook.

1. Push [LOG] to enter “RCVD CALL LOG” in the DSC CALLS menu.
2. Enter “TX CALL LOG” in the DSC CALLS menu.
3. Select the desired message.
4. Rotate Dial to scroll the message contents.
5. To delete the displayed message, push [DEL].
6. To return to the normal operating mode, push [EXIT].

Transmitted Call Log

The transceiver automatically stores up to 50 transmitted calls, and the logs can be used as a supplement to your logbook.

1. Enter “TX CALL LOG” in the DSC CALLS menu.
2. Select the desired message.
3. Rotate Dial to scroll the message contents.
4. To delete the displayed message, push [DEL].
5. The confirmation screen appears, then push [OK] to delete.
6. Push [EXIT] to return to the normal operating mode.

DSC Settings

- Automatic Acknowledgment
  1. Enter either “INDIVIDUAL ACK,” “POSITION ACK” or “TEST ACK” in the DSC Settings menu.
  2. Rotate Dial to select “Auto TX” or “Manual TX,” then push [ENT].
  3. Push [BACK] to cancel and return to the DSC Settings menu.
  4. Push [EXIT] to return to the normal operating mode.
- Channel 16 Switch function
  1. Enter “CH 16 SWITCH” in the DSC Settings menu.
  2. Rotate Dial to set the CH 16 Switch function to “Auto,” “No Delay,” “10 Second Delay” or “OFF,” then push [ENT].
  3. Push [BACK] to cancel and return to the DSC Settings menu.
  4. Push [EXIT] to return to the normal operating mode.
- DSC Data Output
  1. Enter “DSC DATA OUTPUT” in the DSC Settings menu.
  2. Rotate Dial to set the DSC Data Output function to “All Station,” “List Station” or “OFF,” then push [ENT].
  3. Push [BACK] to cancel and return to the DSC Settings menu.
  4. Push [EXIT] to return to the normal operating mode.
- Alarm
  1. Enter “ALARM” in the DSC Settings menu.
  2. Rotate Dial to select the status, then push [ENT].
  3. Push [BACK] to cancel and return to the DSC Settings menu.
- Channel 70 Squelch level
  1. Enter “CH 70 SQL LEVEL” in the DSC Settings menu.
  2. Rotate Dial to adjust the squelch level until the noise just disappears, then push [ENT].
  3. Push [BACK] to cancel and return to the DSC Settings menu.
  4. Push [EXIT] to return to the normal operating mode.
- DSC Loop Test
  1. Enter “DSC LOOP TEST” in the DSC Settings menu.
  2. Push [ENT] to start the DSC loop test.
  3. Push [BACK] to cancel and return to the DSC Settings menu.
  4. When the transciever and the command microphone sounds beeped, “OK” appears.
  5. Push [EXIT] to return to the normal operating mode.

Receiving a Test Acknowledgement Call

1. Push [ALARM OFF] to stop the alarm and the blinking backlight.
2. If [ALARM OFF] is not pushed within 2 minutes, the next screen may appear, depending on the call Category.
3. Push [EXIT] to return to the normal operating mode.

DSC Menu screen operation

The Menu screen is used to change the transciever’s functions and the microphone’s own functions, send DSC calls or show the programmed MMSI and ATIS** codes and GPS information**.

** Appears only when the transciever is the Dutch or German version.

** Appears only when a GPS receiver compatible with NMEA0183 Ver. 2.0 or 3.01 is connected to the transciever.

These instructions are for only the microphone’s own functions. Refer to the transciever’s manual for the settings of the other functions. (Some functions cannot be selected from the HM-195.)

- Entering the Menu screen and operation
  1. Push [MENU].
  2. Rotate Dial or push [ held] to select the item, then push [ENT].
  3. Rotate Dial or push [ held] to select the desired item, and then push [ENT].
  4. Rotate Dial or push [ held] to select the option, and then push [ENT].
  5. Push [EXIT] to exit the Menu screen.

- Horn function
  1. Push [HORN] to enter the Horn mode.
  2. Hold down [HORN] to sound a horn.
  3. To adjust the horn volume level, rotate Dial.

- PA (Public Address) function
  1. Push [PA] to enter the Public Address mode.
  2. Hold down [PTT] and speak at a normal voice level.
  3. To adjust the PA volume level, rotate Dial.

- Button Beep
  1. [CLEAR] or [BACK] to return to the previous screen.

- Display contrast
  1. The contrast of the HM-195’s function display can be adjusted in 8 steps.

- Key Beep
  1. You can turn OFF beep tones for silent operation, or you can turn ON the tones to have confirmation beeps sound when a key is pushed.

- COMMANDMIC Speaker
  1. The HM-195’s external speaker can be used instead of the internal speaker.

Regardless of this setting, the transciever’s microphone speaker is ON.

See “Instructions 1” (1 to 15) or “Instructions 2” (16 to 21) for other functions.
The Menu screen is used for programming infrequently changed values, function settings or sending DSC calls.

### Menu Screen Operation 2
See "Instructions 1 (Menu screen operation) for entering the menu screen operation.

### MMSI/GPS Information
The transceiver shows the programmed MMSI code and GPS information.

- If the code is not programmed, "NO DSC MMSI" is displayed.

### Scan type
The transceiver has two scan types: Normal scan and Priority scan. A Normal scan searches all Favorite channels in the selected channel group. A Priority scan sequentially searches all Favorite channels, while monitoring Channel 16.

- **Normal scan**:
  - When ON is selected, the scan pauses for 5 seconds and then resumes, even if a signal has been received on any channel other than Channel 16.

- **Priority scan**:
  - When ON is selected, the scan pauses for 5 seconds and then resumes, even if a signal has been received on any channel.

### Scan timer
The scan timer can be selected as a pause (OFF) or timer scan (ON). When OFF is selected, the scan pauses until the signal disappears.

- **Normal scan**:
  - When ON is selected, the scan pauses for 5 seconds and then resumes, even if a signal has been received on any channel.

- **Priority scan**:
  - When ON is selected, the scan pauses for 5 seconds and then resumes, even if a signal has been received on any channel.

### Weather alert
(U.S.A. version transceiver only)
A NOAA broadcast station transmits a weather alert tone before important weather information.

- "WX" blinks until the transceiver is operated after the transceiver detects the alert.
- "WX" appears instead of "WX" when the function is set ON.

### Dual/Tri-watch
This item can be selected as Dualwatch or Tri-watch.

- **Dualwatch**: The previously selected (last used) weather channel is checked while scanning.
- **Tri-watch**: The preprogrammed weather channels are sequentially checked while scanning.
- **OFF**: The transceiver does not detect a weather alert tone.

### Channel Group
Except for the Europe version, a channel group suitable for your operating area can be selected. Depending on the transceiver version, INT, USA, CAN, ATIS or DSC may be selectable.

- The screen below shows the U.S.A. version.
Key Assignment
Desired functions can be assigned to Dial and the softkeys.

1. When the “KEY ASSIGNMENT” screen is displayed, rotate Dial or push [A] ([Y]) to select “Dial” or “Softkeys,” and then push [ENT].
2. Rotate Dial or push [A] ([Y]) to select the desired position, and then push [ENT].
   • To return to the default, select “Set default” and push [ENT].
3. Rotate Dial or push [A] ([Y]) to select the option, and then push [ENT] to set it.
   • “D” is displayed next to the selected option.

Push [EXIT] to exit the Menu screen.
• Push [CLEAR] or [BACK] to return to the previous screen.

Dial assignment
The Audio volume (VOL), squelch (SQL), channel selection (CHAN) and LCD backlight levels (Backlight) functions can be assigned to any one of 4 sequential positions on Dial. Pushing Dial 1 to 4 times sequentially selects the desired function, and rotating Dial adjusts the level or selects a value or number.

For example:
- VOL is assigned to the 1st position, and pushing Dial once selects VOL. The VOL screen adjust screen is displayed and rotating Dial adjusts the audio volume.
- CH is assigned to the 3rd position, and pushing Dial three times selects CH. The channel number is displayed and rotating Dial will select the desired channel.

You can assign VOL, SQL, CHAN and Backlight to any one of the 1st, 2nd, 3rd, or 4th sequential positions. Repeatedly pushing Dial sequentially displays all the functions in the order they are assigned, and skips any functions assigned as Not Used.

Softkeys assignment
The desired function can be assigned as the softkey function. The assigned function can be used when its key icon is displayed. See page 5 for details of the assignable key functions.

Noise Cancel
Set the Noise Cancel function for both receive and transmit.

1. When the "NOISE CANCEL" screen is displayed, rotate Dial or push [A] ([Y]) to select "RX" or "TX," and then push [ENT].
2. Rotate Dial or push [A] ([Y]) to select the option, and then push [ENT].
   • “D” is displayed next to the selected option.
   • Push [CLEAR] or [BACK] to return to the previous screen.

RX
Turn the receive Noise Cancel function ON or OFF.
OFF: Turns OFF the function. (Default)
1: The Noise Cancel function reduces random noise components in the received signal to approximately one half.
2: The Noise Cancel function reduces random noise components in the received signal to approximately one tenth.

TX
Turn the transmit Noise Cancel function ON or OFF.
OFF: Turns OFF the function. (Default)
ON: The Noise Cancel function reduces random noise components in the transmitted signal to one third.

UTC Offset
Set the offset time between the UTC (Universal Time Coordinated) and your local time to between -14:00 and +14:00 (in 1 minute steps). (Default: 00:00)

Inactivity Timer
Set the inactivity timer to between 1 and 10 minutes (in 1 minute steps) or OFF for the “Not DSC Related” and “DSC Related” items, and set to between 1 and 15 minutes (in 1 minute steps) or OFF for the “DSC Related” item. The countdown alarm sounds 10 seconds before the inactive timer returns the current screen to the normal operating screen.

1. When the “INACTIVITY TIMER” screen is displayed, rotate Dial or push [A] ([Y]) to select “Not DSC Related” or “DSC Related,” and then push [ENT].
2. Rotate Dial or push [A] ([Y]) to select the option, and then push [ENT] to set it.
   • “D” is displayed next to the selected option.
   • Push [CLEAR] or [BACK] to return to the previous screen.

DSC Related
When the LCD displays the screen related to the DSC, and no key operation occurs for this set period, the transceiver automatically returns to the normal operating screen. (Default: 10 min)
• Not DSC Related
When the LCD displays a screen other than the normal operation screen, or one not related to the DSC, and no key operation occurs for this set period, the transceiver automatically returns to the normal operating screen. (Default: 15 min)

Remote ID
Set a Remote ID number to between 1 and 69. (Default: 15)

The Remote ID is included in the sentence of the Icom original NMEA format.
See “Instructions” (1 to 15), “Instructions” (16 to 25), or “Instructions” (26 to 30) for other functions.

Remote ID
Set a Remote ID number to between 1 and 69. (Default: 15)

The Remote ID is included in the sentence of the Icom original NMEA format.
See “Instructions” (1 to 15), “Instructions” (16 to 25), or “Instructions” (26 to 30) for other functions.