iCOM

REMOTE-CONTROL MICROPHONE
## HM−195 series

INSTRUCTIONS ①

Thank you for purchasing the HM-195 series REMOTE-CONTROL MICROPHONE. The COMMANDMICIV™ is a remote control microphone for use with the IC-M423/IC-M424 series, IC-M400BB, IC-M506 series, 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.
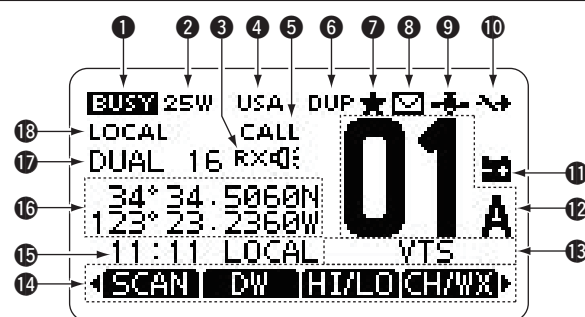
1 Supplied accessories

Accessories included with the HM-195:　　　　　　　Qty.
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 × 16 mm; self-tapping) 5
*The OPC-1540 has external speaker leads, as illustrated to the right. (Yellow: Speaker (+), Black: Speaker (−))

Yellow　Black
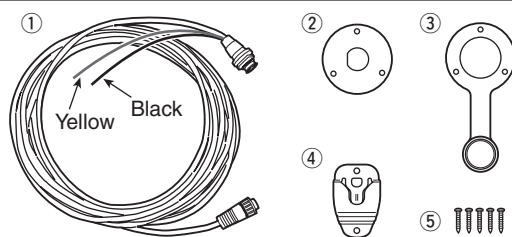
2 Function display

① **BUSY/TRANSMIT ICON** (See **6**)
➡ "**BUSY**" appears when receiving a signal or when the squelch is open.
➡ "**TX**" appears while transmitting.

② **POWER ICON** (See **6**)
➡ "25W" appears when high power is selected.
➡ "1W" appears when low power is selected.

③ **RX SPEAKER ICON** (See **27**)
Appears while in the RX Speaker mode.

④ **CHANNEL GROUP ICON** (See **5**)
➡ 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.

⑤ **CALL CHANNEL ICON** (See **5**)
Appears when the Call channel is selected.

⑥ **DUPLEX ICON** (See **5**)
Appears when a duplex channel is selected.

⑦ **FAVORITE CHANNEL ICON** (See **13**)
Appears when a Favorite (TAG) channel is selected.

⑧ **MAIL ICON** (See **23**)
Blinks when there is an unread message.

⑨ **GPS ICON**
➡ Stays ON when the GPS receiver is activated and valid position data is received.
➡ Blinks when invalid position data is being received.

⑩ **SWITCH ICON** (See **25**)
Appears when the "CH 16 SWITCH" in DSC Settings is set to 'OFF.'

⑪ **LOW BATTERY ICON**
Blinks when the battery voltage drops to approximately 10 V DC or less.

⑫ **CHANNEL NUMBER READOUT**
Shows the selected operating channel number.
• When a simplex channel is selected, "A" appears.

⑬ **CHANNEL NAME FIELD**
The channel name appears, if programmed. (See **8**)

⑭ **KEY ICONS** (See **4**)
Shows the programmed function of the softkeys on the front panel.

⑮ **TIME ZONE INDICATOR**
➡ Shows the current time when a GPS receiver is connected, or the time is manually programmed.
• When the GPS current time is invalid, "??" will blink every 2 seconds instead of the current time. After 23.5 hours has passed, "NO TIME" will appear.
• "??" will blink every 2 seconds, instead of the current time, 4 hours after the time was manually programmed. The manually programmed time is held for only 23.5 hours, and after that, "NO TIME" will appear.
➡ "LOCAL" appears when the offset time is set.
➡ "MNL" appears when the time is manually programmed.
➡ "UTC" appears when the GGA, GLL or GNS GPS sentence format is included in the GPS signal.
➡ The date information appears when the RMC GPS sentence format is included in the GPS signal.
➡ "NO TIME" appears when no GPS receiver is connected, and no time is manually input.

⑯ **POSITION INDICATOR**
➡ Shows the current position when a GPS receiver is connected, or the position is manually programmed.
• When the GPS position is invalid, "??" may blink every 2 seconds instead of position. The last position is held for only 23.5 hours, and after that, "NO POSITION" will appear.
• "??" will blink every 2 seconds, instead of position, 4 hours after the position is manually programmed. The manually programmed position is held for only 23.5 hours, and after that, "NO POSITION" will appear.
➡ "NO POSITION" appears when no GPS receiver is connected, and no position is manually input.

⑰ **SCAN INDICATOR**
➡ "SCAN 16" appears during a Priority scan; "SCAN" appears during a Normal scan. (See **14**)
➡ "DUAL 16" appears during Dualwatch; "TRI 16" appears during Tri-watch. (See **15**)

⑱ **LOCAL ICON** (See **6**)
Appears when the Attenuator function is turned ON. (Only U.S.A. and Australian version transceivers.)

3 Panel description

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

① (Back side)
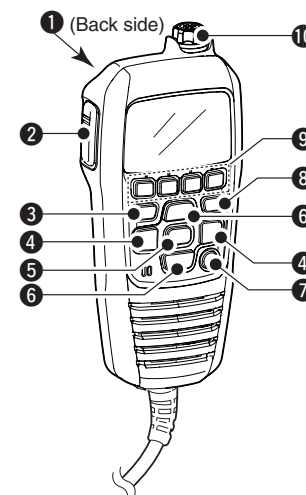
① **DISTRESS KEY [DISTRESS]** (See **19**)
Hold down for 3 seconds to transmit a Distress call.

② **PTT SWITCH [PTT]**
Hold down to transmit, release to receive. (See **6**)

③ **MENU KEY [MENU]** (See **30**)
Push to enter or exit the Menu screen.

④ **LEFT AND RIGHT KEYS [◄]/[►]**
➡ Push to switch to the previous or next key function that is assigned to the softkeys. (See **4**)
➡ Push to select the desired character or number in the table while in the channel name, position programming mode, and so on. (See **8**, **16**, **17**)

⑤ **ENTER KEY [ENT]** (See **8**, **10**, **16**)
Push to set the input data, selected item, and so on.

⑥ **UP AND DOWN/CHANNEL SELECT KEYS [▲•CH]/[▼•CH]**
➡ Push to select the operating channels, Menu items, Menu settings, and so on. (See **5**, **30**)
➡ Push to check Favorite channels, change the scanning direction or manually resume a scan. (See **14**)

⑦ **CHANNEL 16/CALL CHANNEL KEY [16/C]**
➡ Push to select Channel 16. (See **5**)
➡ Hold down for 1 second to select the Call channel. (See **5**)
• "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 **7**)

⑧ **CLEAR KEY [CLEAR]** (See **8**, **16**, **30**)
Push to cancel the entered data, or to exit the Menu screen.

⑨ **SOFTKEYS**
Desired functions can be assigned in the Menu screen. See the transceiver's manual for details.

⑩ **VOLUME AND SQUELCH SWITCH/POWER SWITCH [VOL/SQL•PWR]**
➡ When the power is OFF, hold down for 1 second to turn ON power. (See **6**)
➡ Hold down for 1 second to turn OFF power.
➡ When the power is ON, push to enter the volume level adjustment mode.* (See **10**)
• 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 **10**)
*The desired function can be assigned in the Menu screen.

4 Softkey function

Various functions can be assigned to the softkeys.
When a key function is assigned, the key icon 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.

Push ◄　　　　　　　　　　　Push ►

*Push this key to start and stop scan.
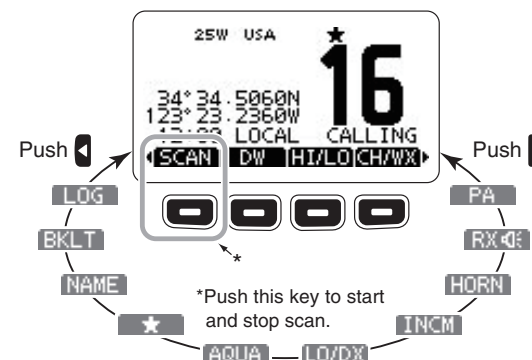
The order of the key icons may differ depending on the preprogramming, and the contents may differ, depending on the transceiver version.

Except for a U.S.A. and Australian version transceiver:
• [CHAN] appears instead of [CH/WX].
• [LO/DX] does not appear.

5 Channel selection

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

◇ **Call channel**
① Hold down [16/C] for 1 second to select the Call channel of the selected channel group.
② Push [CH/WX]* to return to the screen displayed before you selected Call channel, or push [▲](CH) or [▼](CH) to select an operating channel.
*[CHAN] appears except for a U.S.A. and Australian version transceiver.

◇ **Weather channels**
(U.S.A. and Australian version transceiver 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 [▲](CH) or [▼](CH) to select a channel.

5 Channel selection (Continued)

◇ **Channel group selection**
① Push [MENU].
② Rotate Dial or push [▲]/[▼] to select "Radio Settings," and then push [ENT].
③ Rotate Dial or push [▲]/[▼] to select "CHAN Group," and then push [ENT].
④ Rotate Dial or push [▲]/[▼] to select the desired channel group, and then push [ENT].
• The selectable channel groups may differ, depending on the transceiver version.
⑤ Push [EXIT] to exit.
⑥ Push [▲](CH) or [▼](CH) to select a channel.
• "DUP" appears when a duplex channel is selected.
• "A" appears when a simplex channel is selected.

When the International channel group is selected.
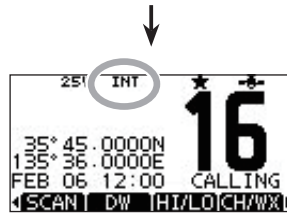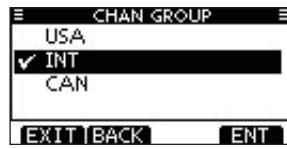
6 Receiving and transmitting

① Hold down [PWR] to turn ON the power.
② Set the audio and squelch levels. (See **10**, **11**)
➥ First, open the squelch. Then, adjust the audio output level. After that, adjust the squelch level until the noise just disappears.
③ Change the channel group. (See **5**)
④ Push [▲](CH) or [▼](CH) to select a channel. (See **5**)
• When receiving a signal, "BUSY" appears and audio is heard.
• Further adjustment of the volume level may be necessary.
⑤ Push [LO/DX] to turn the receive Attenuator function ON or OFF, if necessary.
• Only U.S.A. and Australian version transceivers.
• "LOCAL" appears when the receive Attenuator function is ON.
⑥ Push [HI/LO] to select the output power, if necessary.
• "25W" appears when high power is selected, and "1W" appears when low power is selected.
• Choose low power for short range communications, choose high power for longer distance communications.
• Some channels are for only low power.
⑦ Hold down [PTT] to transmit, then speak at your normal voice level.
• "TX" appears.
• Channel 70 cannot be used for transmission other than DSC.
⑧ Release [PTT] to receive.

✓ *Information*
The Noise Cancel function reduces random noise components in the transmit and/or receive signal. See the transceiver's manual for details.

⫽ Simplex channels, 3, 21, 23, 61, 64, 81, 82 and 83 CANNOT be lawfully used by the general public in U.S.A. waters.

⫽ **IMPORTANT:** To maximize the readability of your transmitted signal, pause a few seconds after pushing [PTT], hold the microphone 5 to 10 cm (2 to 4 inches) from your mouth and speak at a normal voice level.

✓ *NOTE for the TOT (Time-out Timer) function*
The TOT function inhibits continuous transmission beyond a preset time period after the transmission starts.
10 seconds before transmission is cutoff, a beep sounds to indicate the transmission will be shut down and "TOT" appears in the channel name field. Transmission is not possible for 10 seconds after this shut down.

7 Call channel programming

① Select the desired channel group to be programmed. (See **5**)
② Hold down [16/C] for 1 second to select the Call channel of the selected channel group.
• "CALL" and the Call channel number appear.
③ Hold down [16/C] 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 [▲](CH) or [▼](CH) to select a channel.

⑤ Push [ENT] to program the displayed channel as the Call channel.
• Push [CLEAR] to cancel.
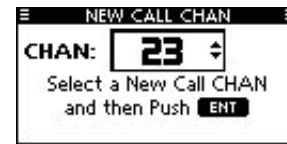
8 Channel name programming

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.

① Push [▲](CH) or [▼](CH) to select a channel.
• First, cancel the Dualwatch, Tri-watch or Scan function, if activated.
② Push [NAME] to open the channel name programming screen.
• A black box is displayed on the first character.

③ Enter the desired channel name in the following manner:
• Select a desired character using Dial, or [▲]/[▼]/[◄]/[►].
• Push [ENT] to set it.
• To move the cursor, select either arrow, "←" or "→," then push [ENT].
• Select "SPACE," then push [ENT] to input a space.
• Select "DELETE," then push [ENT] to delete a character.
• Push [CLEAR] to cancel and return to the previous screen.
④ Repeat step ③ to input all characters.

⑤ Push [◄], [►], [▲] or [▼] to select "FINISH," then push [ENT] to set the name and return to the previous screen.

9 AquaQuake water draining function

The AquaQuake water draining function clears water away from the speaker grill. Without this function, water may muffle the sound coming from the speaker. A buzzing sound is heard when this function is activated.

➥ While holding down [AQUA], the AquaQuake function is activated to clear water away from the speaker grill.
• While holding down [AQUA], a low buzzing sounds to drain water, regardless of the volume level setting.
• The HM-195's keys are disabled while the AquaQuake function is activated.

10 Adjusting the volume level

① Rotate [VOL/SQL](Dial), or push [VOL/SQL](Dial) one or more times to display the volume adjustment screen.
② Rotate [VOL/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.
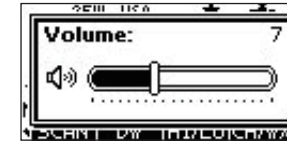
③ Push [ENT] to set the level, and exit the volume adjustment mode.
• Push [CLEAR] to cancel.

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

11 Adjusting the squelch level

① Push [VOL/SQL](Dial) one or more times to display the squelch adjustment screen.
② Rotate [VOL/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.
• Push [CLEAR] to cancel.

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

12 Adjusting the display backlight level

The function display and keys can be backlit for better visibility under low light conditions.
The backlight is adjustable in 7 levels and OFF.

➥ Push [BKLT] to show the backlight adjustment screen. Rotate Dial to adjust the brightness of the LCD and key backlight, and then push [ENT].
• If no key operation is performed for about 5 seconds, the HM-195 sets the selected backlight level, and returns to the normal mode.

13 Setting Favorite channels

① Select the desired channel group. (See **5**)
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.

✓ *Clearing (or setting) all tagged channels*
Hold down [★] for 3 seconds (until a long beep changes to 2 short beeps) to clear all Favorite channel settings in the selected channel group.
• Repeat above procedure to set all channels as Favorite channels.

14 Starting a scan

① Select Priority scan or Normal scan in the Menu screen.
• See the transceiver's manual for details.
② Select the desired channel group. (See **5**)
③ Set the Favorite channels. (See **13**)
④ Make sure the squelch is closed to start a scan.
⑤ 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 [▲]/[▼] to check the scanning Favorite channels, change the scanning direction or manually resume the scan.
• A beep tone sounds and "16" blinks when a signal is received on Channel 16 during a Priority scan.

⑥ To stop the scan, push [CLEAR], or repeat step ⑤.

15 Dualwatch/Tri-watch operation

① Select Dualwatch or Tri-watch in the Menu screen.
• See the transceiver's manual for details.
② Push [▲](CH) or [▼](CH) to select the desired operating channel.
③ 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.

④ To cancel Dualwatch or Tri-watch, push [DW] again.

☞ **See "Instructions ②" (16 to 21) or "Instructions ③" (22 to 30) for other functions.**

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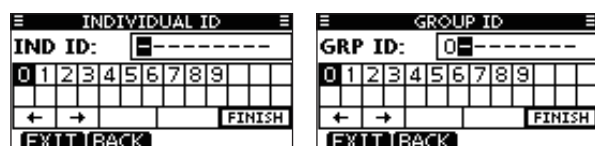
16 Programming Individual/Group ID

① Enter "INDIVIDUAL ID" or "GROUP ID" in the DSC SET-TINGS 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 [▲]/[▼]/[◀]/[▶].
• 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.
  ⁂ The first two digits are '0' for any Coast station 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.

⑥ Enter a desired 10 digit ID name in the following way:
• Select a desired character using Dial, or [▲]/[▼]/[◀]/[▶].
• Push [ENT] or Dial to set it.
• To move the cursor, select either arrow, "←" or "→," then push [ENT] or Dial.
• Push [123] then [!$?] then [ABC] to select a character group.
⑦ After entering the ID name, select "FINISH" using Dial, or [▲]/[▼]/[◀]/[▶], then push [ENT] or Dial to program it.
• The "INDIVIDUAL ID" or "GROUP ID" list screen is displayed.

⑧ Push [MENU] to exit the MENU screen.

17 Deleting Individual/Group ID

① Enter "INDIVIDUAL ID" or "GROUP ID" in the DSC SET-TINGS menu.
• When no address ID is programmed, "No ID" is displayed. In this case, push [MENU] to exit the MENU screen.
② Rotate Dial or push [▲]/[▼] 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.
• Push [CANCEL] to cancel it.

④ Push [MENU] to exit the MENU screen.

18 Position and time programming

① Enter "POSITION INPUT" in the DSC SETTINGS menu.
② Edit your latitude and longitude position using Dial, or [▲]/[▼]/[◀]/[▶].
• Select a desired number using Dial, or [▲]/[▼]/[◀]/[▶].
• Push [ENT] or Dial to set it.
• To move the cursor, select either arrow, "←" or "→," then push [ENT] or Dial.
• Select N (North latitude) or S (South latitude) when the cursor is on the 'N' or 'S' position.
• Select W (West longitude) or E (East longitude) when the cursor is on the 'W' or 'E' position.

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 [▲]/[▼]/[◀]/[▶].
• Push [ENT] or Dial to set it.
• To move the cursor, select either arrow, "←" or "→," then push [ENT] or Dial.
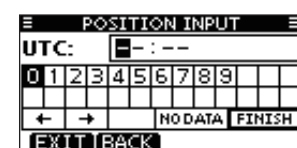
⑤ Push [ENT] or Dial to program your position and time.
• Return to the "DSC SETTING" screen.

19 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 20).

◇ 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.
• While holding down [DISTRESS], count down beeps sound and both the key and display backlighting blink.
• DSC channel (Channel 70) is automatically selected and the Distress call is transmitted.
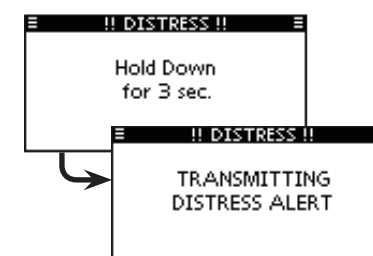
③ After transmitting the call, the transceiver waits for an acknowledgment call.
• Push [RESEND] to manually transmit the Distress repeat call.
• Push [◀]/[▶] then push [INFO] to display the transmitted Distress call information.
• Push [◀]/[▶] then push [PAUSE] to pause the 'Call repeat' mode; push [RESUME] to resume it.

④ After receiving the acknowledgment, push [ALARM OFF] then reply using the microphone.

➡ A distress alert default contains:
• 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.

◇ Regular Call
① Enter "DISTRESS CALL" in the DSC CALLS menu.
② Select the nature of the distress using Dial or [▲]/[▼], then push Dial or [ENT].
• 'Undesignated,' 'Fire,' 'Explosion,' 'Flooding,' 'Collision,' 'Grounding,' 'Capsizing,' 'Sinking,' 'Adrift,' 'Abandoning ship,' 'Piracy' or 'Man Overboard' is selectable.
• The nature of the distress is stored for 10 minutes after a selection is made.

③ The Distress call confirmation screen is displayed.
• Rotate Dial or push [▲]/[▼] to see the hidden lines.
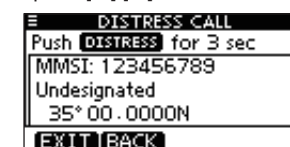
④ Hold down [DISTRESS] for 3 seconds to transmit the Distress call.
• While holding down [DISTRESS], count down beeps sound and both the key and display backlighting blink.
• The selected nature of the distress is stored for 10 minutes.
⑤ After transmitting the call, the transceiver waits for an acknowledgment call.
• Push [RESEND] to manually transmit the Distress repeat call.
• Push [◀]/[▶] then push [INFO] to display the transmitted Distress call information.
• Push [◀]/[▶] then push [PAUSE] to pause the 'Call repeat' mode, push [RESUME] to resume it.
⑥ After receiving an acknowledgment call, push [ALARM OFF], then reply using the microphone.

➡ A distress alert contains:
• Nature of distress   : Selected in step ②.
• Position information : The latest GPS or manual input position is held for 23.5 hours, or until the power is turned OFF.

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:


➡ Push [CHG], then edit your latitude and longitude position and UTC time.
• Select a desired number using Dial, or [▲]/[▼]/[◀]/[▶].
• Push [ENT] or Dial to set it.
• To move the cursor, select either arrow, "←" or "→," then push [ENT] or Dial.
• Select N (North latitude) or S (South latitude) when the cursor is on the 'N' or 'S' position.
• Select W (West longitude) or E (East longitude) when the cursor is on the 'W' or 'E' position.

20 Distress Cancel Call

① While waiting for an acknowledgment call, push [CANCEL].

② Push [CONTINUE].
• Push [BACK] to return to waiting for an acknowledgement call.
③ Push [FINISH].
• Push [EXIT] to return to waiting for an acknowledgement call.
④ The Distress cancel call is transmitted.
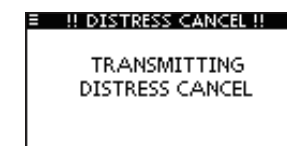
⑤ Channel 16 is automatically selected.
• Report your situation using the microphone.
• After the report, push [EXIT] to return to the normal operating mode.

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 ④ and go directly to step ⑤.

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 'Able to comply' is received, beeps sound and the screen below is displayed.

```
    INDIVIDUAL CALL
    Received ACK

    Elapsed: 00:00:02
    ALARM OFF
```

Push [ALARM OFF] to stop the beeps, and then select the intership channel specified in step ④.
• A different intership channel will be automatically selected if the station you called cannot use the channel.
• Reply using the microphone. And go to step ⑨.

```
    INDIVIDUAL CALL
    25W              08

    To: ICOM 3
    Elapsed: 00:00:12
    EXIT
```
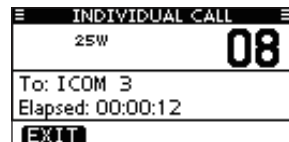
Or, when the acknowledgement 'Unable to comply' is received, beeps sound.
Push [ALARM OFF] to stop the beeps. Then push [EXIT] to return to the operating channel (before you entered the MENU screen).
⑨ After communicating, push [EXIT] to return to the normal operating mode.

◇ Transmitting an Individual Acknowledgement
Quick ACK:
① When an Individual call is received, beeps sound.
Push [ALARM OFF] to stop the beeps.
② Push [ACK].
③ Select one of three options, Able to Comply, Unable to Comply or Propose New Channel, and then push [ENT].

```
    INDIVIDUAL ACK
    Able to Comply
    Unable to Comply
    Propose New Channel    ▶

    EXIT BACK        ENT
```

④ The Individual ACK confirmation screen is displayed.
⑤ Push [CALL] to transmit the acknowledgement call.
⑥ Reply to the call using the microphone.
⑦ Push [EXIT] to return to the normal operating mode.

Manual ACK:
① Enter "INDIVIDUAL ACK" in the DSC CALLS menu.
• 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 [▲]/[▼], then push [ENT].
③ Perform steps ③ to ⑦, as described in "Quick ACK:" above.

◇ Transmitting a Group Call
① Enter "GROUP CALL" in the DSC CALLS menu.
② Select or enter the desired group address.
③ Select a desired intership channel.
④ A confirmation screen appears.
⑤ Push [CALL] to transmit the Group call.
⑥ Announce the information using the microphone.
⑦ 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 category.
• The selectable category may differ according to the connected transceiver setting.
③ Select a desired traffic channel.
④ A confirmation screen appears.
⑤ Push [CALL] to transmit the All Ships call.
⑥ Announce the message using the microphone.
⑦ 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.
• Confirm the call contents.
④ Push [CALL] to transmit the Position Request Call.
• If Channel 70 is busy, the transceiver stands by until the channel becomes clear.
⑤ When the acknowledgement call is received, beeps sound.
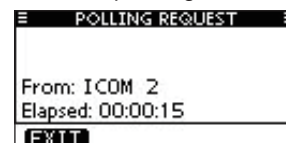⑥ Push [ALARM OFF] to stop the beeps, and then push [EXIT] to return to the normal operating mode.

```
    POSITION REQUEST
    From: ICOM 2
      34°34.5060N
     123°23.2360W
      12:00 UTC
    EXIT
```
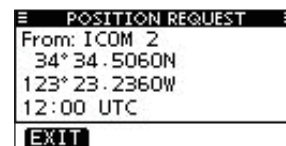
◇ Transmitting a Position Report Call
① Enter "POSITION REPORT" in the DSC CALLS menu.
② Select or enter the desired individual address.
③ A confirmation screen appears.
• Confirm the call contents.
④ Push [CALL] to transmit the Position Report Call.
• If Channel 70 is busy, the transceiver stands by until the channel becomes clear.
⑤ After the Position Report Call has been transmitted, the transceiver automatically returns to the normal operating mode.

## ◇ Transmitting a Polling Request Call
① Enter "POLLING REQUEST" in the DSC CALLS menu.
② Select or enter the desired individual address.
③ A confirmation screen appears.
• Confirm the call contents.
④ Push [CALL] to transmit the Polling Request Call.
• If Channel 70 is busy, the transceiver stands by until the channel becomes clear.
⑤ When the acknowledgement call is received, beeps sound.
⑥ Push [ALARM OFF] to stop the beeps, and then push [EXIT] to return to the normal operating mode.

```
    POLLING REQUEST
    From: ICOM 2

    Elapsed: 00:00:15
    EXIT
```

◇ 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.
④ Push [CALL] to transmit the Test call.
⑤ When the acknowledgement call is received, beeps sound.
⑥ Push [ALARM OFF] to stop the beeps, and then push [EXIT] to return to the normal operating mode.

```
    TEST CALL


    From: ICOM 1
    Elapsed: 00:00:26
    EXIT
```
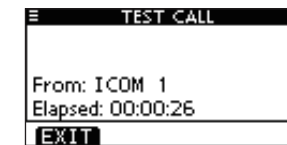
◇ Transmitting a Test Acknowledgement Call
Quick ACK:
① When a Test call is received, beeps sound.
Push [ALARM OFF] to stop the beeps.
② Push [ACK].
• Push [INFO] to display the Test call information.
Push [BACK] to return to the previous screen, or push [ACK].
③ The Test ACK confirmation screen is displayed.
Push [CALL] to transmit the acknowledgement call.
④ After transmitting the acknowledgement call, the transceiver returns to the normal operating mode.

Manual ACK:
① Enter "TEST ACK" in the DSC CALLS menu.
• If no Test call has been received, the "TEST ACK" item will not be displayed.
② Select a desired Test call to reply to, using Dial or [▲]/[▼], then push Dial or [ENT].
③ The Test ACK confirmation screen is displayed.
Push [CALL] to transmit the acknowledgement call.
④ After transmitting the acknowledgement call, the transceiver returns to the normal operating mode.

◇ Transmitting a Position Reply Call
Quick Reply:
① When a Position Request call is received, beeps sound.
Push [ALARM OFF] to stop the beeps.

```
    RCVD POS REQUEST
    FROM: ICOM 1
    ELAPSED: 00:00:01


    ALARM OFF
```

② Push [ACK].
• Push [INFO] to display the Position Request call information.
Push [BACK] to return to the previous screen, or push [ACK].
③ The Position Reply confirmation screen is displayed.
Push [CALL] to transmit the reply call.
④ After transmitting the reply call, the transceiver returns to the normal operating mode.

Manual Reply:
① Enter "POSITION REPLY" in the DSC CALLS menu.
• If no Position Request call has been received, the "POSITION REPLY" item will not be displayed.
② Select a desired Position Request call to reply to.
③ The Position Reply call confirmation screen is displayed.
Push [CALL] to transmit the acknowledgement call.
④ After transmitting the reply call, the transceiver returns to the normal operating mode.

◇ Transmitting a Position Report Reply Call
Quick Reply:
① When a Position Report Request call is received, beeps sound.
Push [ALARM OFF] to stop the beeps.

```
    RCVD POSITION REPORT
    FROM: 604012345
    ELAPSED: 00:00:12


    ALARM OFF
```

② Push [ACK].
• Push [INFO] to display the Position Report Request call information.
Push [BACK] to return to the previous screen, or push [ACK].
③ The Position Report Reply confirmation screen is displayed.
Push [CALL] to transmit the reply call.
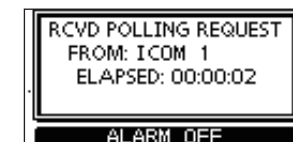④ After transmitting the reply call, the transceiver returns to the normal operating mode.

Manual Reply:
① Enter "POSITION REPORT REPLY" in the DSC CALLS menu.
• If no Position Report Request call has been received, the "POSITION REPORT REPLY" item will not be displayed.
② Select a desired Position Report Request call to reply to, using Dial or [▲]/[▼], then push Dial or [ENT].
③ The Position Report Reply call confirmation screen is displayed.
Push [CALL] to transmit the acknowledgement call.
④ 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.
Push [ALARM OFF] to stop the beeps.

```
    RCVD POLLING REQUEST
    FROM: ICOM 1
    ELAPSED: 00:00:02


    ALARM OFF
```

② Push [ACK].
• Push [INFO] to display the Polling Request call information.
Push [BACK] to return to the previous screen, or push [ACK].
③ The Polling Reply confirmation screen is displayed.
Push [CALL] to transmit the reply call.
④ After transmitting the reply call, the transceiver returns to the normal operating mode.

Manual Reply:
① Enter "POLLING REPLY" in the DSC CALLS menu.
• If no Polling Request call has been received, the "POLLING REPLY" item will not be displayed.
② Select a desired Polling Request call to be replied.
③ The Polling Reply call confirmation screen is displayed. Push [CALL] to transmit the acknowledgement call.
④ After transmitting the reply call, the transceiver returns to the normal operating mode.

iCOM

INSTRUCTIONS ③

REMOTE-CONTROL MICROPHONE

HM‒195 series

㉒ Receiving DSC calls

◇ Receiving a Distress Call

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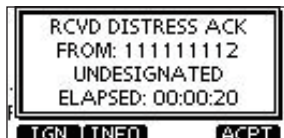② Push a softkey to select your desired action.

```
RCVD DISTRESS
FROM: 111111112
UNDESIGNATED
ELAPSED: 00:00:04
IGN  INFO      ACPT
```

[IGN]
Push to ignore the call and return to the normal operating mode.
[INFO]
Push to display the Received Call information. (See ㉓)
[ACPT]
Push to accept the call, then push [CH 16] to switch the operating channel to Channel 16. After that, monitor it, as a coast station may require assistance.

◇ 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.

```
RCVD DISTRESS ACK
FROM: 111111112
UNDESIGNATED
ELAPSED: 00:00:20
IGN  INFO      ACPT
```

[IGN]
Push to ignore the call and return to the normal operating mode.
[INFO]
Push to display the Received Call information. (See ㉓)
[ACPT]
Push to accept the call, then push [CH 16] to switch the operating channel to Channel 16. After that, monitor it, as a coast station may require assistance.

◇ 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.

```
RCVD DISTRESS RELAY
FROM: 111111122
UNDESIGNATED
ELAPSED: 00:00:08
IGN  INFO      ACPT
```

[IGN]
Push to ignore the call and return to the normal operating mode.
[INFO]
Push to display the Received Call information. (See ㉓)
[ACPT]
Push to accept the call, then push [CH 16] to switch the operating channel to Channel 16. After that, monitor it, as a coast station may require assistance.

◇ 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.

```
RCVD DTRS RELAY ACK
FROM: 111111123
UNDESIGNATED
ELAPSED: 00:00:08
IGN  INFO      ACPT
```

[IGN]
Push to ignore the call and return to the normal operating mode.
[INFO]
Push to display the Received Call information. (See ㉓)
[ACPT]
Push to accept the call, then push [CH 16] to switch the operating channel to Channel 16. After that, monitor it, as a coast station may require assistance.

◇ Receiving an Individual Call

① 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.
② Push a softkey to select your desired action.

```
RCVD INDIVIDUAL CALL
FROM: 111111112
CH 08
ELAPSED: 00:00:14
IGN  INFO      ACK
```
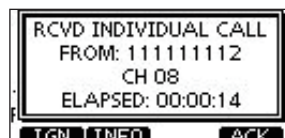
[IGN]
Push to ignore the call and return to the normal operating mode.
[INFO]
Push to display the Received Call information. (See ㉓)
[ACK]
Push to display the "INDIVIDUAL ACK" screen to reply to the call, and select the channel specified by the calling station for voice communication, depending on your situation. See ㉑ for details of the Individual Acknowledgement procedure.

⫽ When "INDIVIDUAL ACK" is set to "Auto ACK (Unable)," the transceiver automatically replies to the call. In that case, both the TX and RX calls are stored in the Transmitted and Received Call Logs.

㉒ Receiving DSC calls (Continued)

◇ Receiving a Group Call

① 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.
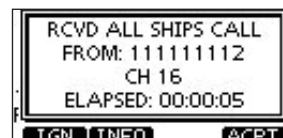② Push a softkey to select your desired action.

```
RCVD GROUP CALL
FROM: 111111112
CH 08
ELAPSED: 00:00:05
IGN  INFO      ACPT
```

[IGN]
Push to ignore the call and return to the normal operating mode.
[INFO]
Push to display the Received Call information. (See ㉓)
[ACPT]
Push to monitor the channel specified by the calling station for its announcement.

◇ Receiving an All Ships Call

① 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.
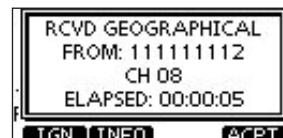② Push a softkey to select your desired action.

```
RCVD ALL SHIPS CALL
FROM: 111111112
CH 16
ELAPSED: 00:00:05
IGN  INFO      ACPT
```

[IGN]
Push to ignore the call and return to the normal operating mode.
[INFO]
Push to display the Received Call information. (See ㉓)
[ACPT]
Push to monitor the channel specified by the calling station for it's announcement.

◇ Receiving a Geographical Area Call

① 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.
② Push a softkey to select your desired action.

```
RCVD GEOGRAPHICAL
FROM: 111111112
CH 08
ELAPSED: 00:00:05
IGN  INFO      ACPT
```

[IGN]
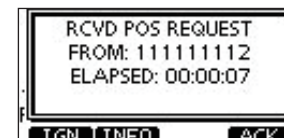Push to ignore the call and return to the normal operating mode.
[INFO]
Push to display the Received Call information. (See ㉓)
[ACPT]
Push to monitor the channel specified by the calling station for it's announcement.

⫽ When no GPS receiver is connected, or if there is a problem with the connected receiver, all Geographical Area Calls are received, regardless of your position.

◇ Receiving a Position Request Call

① 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.
② Push a softkey to select your desired action.

```
RCVD POS REQUEST
FROM: 111111112
ELAPSED: 00:00:07
IGN  INFO      ACK
```

[IGN]
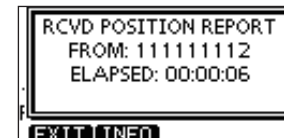Push to ignore the call and return to the normal operating mode.
[INFO]
Push to display the Received Call information. (See ㉓)
[ACK]
Push to display the "POSITION REPLY" screen and send a reply to the call. (See ㉑)

⫽ When "POSITION ACK" is set to "Auto TX," the transceiver automatically replies to the call. In that case, both the TX and RX calls are stored in the Transmitted and Received Call Logs.

◇ Receiving a Position Report Call

① 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.
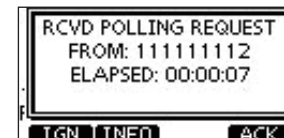② Push a softkey to select your desired action.

```
RCVD POSITION REPORT
FROM: 111111112
ELAPSED: 00:00:06
EXIT INFO
```

[EXIT]
Push to ignore the call and return to the normal operating mode.
[INFO]
Push to display the Received Call information. (See ㉓)

◇ Receiving a Polling Request Call

① 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.
② Push a softkey to select your desired action.

```
RCVD POLLING REQUEST
FROM: 111111112
ELAPSED: 00:00:07
IGN  INFO      ACK
```

[IGN]
Push to ignore the call and return to the normal operating mode.
[INFO]
Push to display the Received Call information. (See ㉓)
[ACK]
Push to display the "POLLING REPLY" screen to reply to the call. (See ㉑)

⫽ When "POSITION ACK" is set to "Auto TX," the transceiver automatically replies to the call. In that case, both the TX and RX calls are stored in the Transmitted and Received Call Logs.

◇ Receiving a Test Call

① Push [ALARM OFF] to stop the alarm and the blinking back-light.
  • If [ALARM OFF] is not pushed within 2 minutes, the next screen may appear, depending on the call Category.
② Push a softkey to select your desired action.

```
    RCVD TEST CALL
  FROM: 111111112
  ELAPSED: 00:00:04

 IGN  INFO      ACK
```

[IGN]
Push to ignore the call and return to the normal operating mode.
[INFO]
Push to display the Received Call information. (See 23)
[ACK]
Push to display the "TEST ACK" screen to reply to the call. (See 21)

/// When "TEST ACK" is set to "Auto TX," the transceiver automatically replies to the call. In that case, both the TX and RX calls are stored in the Transmitted and Received Call Logs.

◇ Receiving a Test Acknowledgement Call

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

```
       TEST CALL

 From: 111111112
 Elapsed: 00:00:11
 EXIT
```
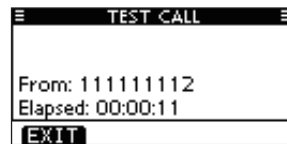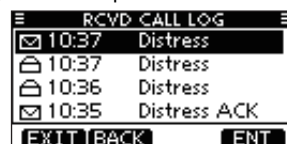
23 Received Call Log

The transceiver automatically stores up to 50 distress messages and 50 other messages, and they can be used as a supplement to your logbook.
• While in the normal operating mode, "✉" blinks in the upper right corner of the LCD when there is an unread message.

① Push [LOG] to enter "RCVD CALL LOG" in the DSC CALLS menu, or you can enter it through the Menu screen.
② Select "Distress" or "Others."
  • The Distress messages are stored in "Distress."
  • The messages other than the Distress are stored in "Others."
  • "✉" appears when there are unread messages.
  • "📂" appears when there are no unread messages.
  • No icon appears when there are no messages.

```
    RCVD CALL LOG
 ✉ Distress          ▶
 📂 Others            ▶


 EXIT BACK      ENT
```

③ Select the desired message.
  • The message in the unopened file has not been read.

```
    RCVD CALL LOG
 ✉ 10:37  Distress
 📂 10:37  Distress
 📂 10:36  Distress
 ✉ 10:35  Distress ACK
 EXIT BACK      ENT
```
When "Distress" is selected in step ②.

④ Rotate Dial to scroll the message contents.
⑤ To delete the displayed message, push [DEL].
  • A confirmation screen appears, then push [OK] to delete.
⑥ Push [EXIT] to return to the normal operating mode.

24 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.

```
     TX CALL LOG
 13:40   Distress Cancel
 13:39   Distress
 13:33   Group Call
 13:31   Individual Call
 EXIT BACK      ENT
```

③ Rotate Dial to scroll the message contents.
④ To delete the displayed message, push [DEL].
  • The confirmation screen appears, then push [OK] to delete.
⑤ Push [EXIT] to return to the normal operating mode.

25 DSC Settings

◇ Automatic Acknowledgement
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].
  • Push [BACK] to cancel and return to the DSC Settings menu.
③ 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 Channel 16 Switch function to "Auto (No Delay)," "10 Second Delay" or "OFF," then push [ENT].
  • Push [BACK] to cancel and return to the DSC Settings menu.
③ 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].
  • Push [BACK] to cancel and return to the DSC Settings menu.
③ 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].
  • Push [BACK] to cancel and return to the DSC Settings menu.
  • "Safety," "Routine," "Warning," "Self-Terminate" and "Discrete" are selectable. (default: ON)
③ Rotate Dial to set the Alarm setting to "ON" or "OFF."
④ Push [EXIT] to return to the normal operating mode.

◇ 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].
  • Push [BACK] to cancel and return to the DSC Settings menu.
③ 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.
  • Push [BACK] to cancel and return to the DSC Settings menu.
  • When the transmit DSC and receive DSC signals are matched, "OK" appears.
③ Push [EXIT] to return to the normal operating mode.

/// If "NG" appears in step ②, either or both TX and RX DSC circuits has a problem. In that case, you will have to send the transceiver to your nearest dealer for repair.

26 Intercom operation

This function is not available with the IC-M400BB.

① Push [INCM] to enter the Intercom mode.
② Hold down [INCM CALL] to sound the intercom beeps.
  • The transceiver and the command microphone sound beeps while holding down [INCM CALL].
  • "CALL" appears.
③ After releasing [INCM CALL], hold down [PTT] and speak into the microphone at a normal voice level.
  • "TALK" appears on the caller's display, or "LSTN" appears on the listener's display.
  • To adjust the HM-195's intercom volume level, rotate [VOL/SQL](Dial) on the HM-195.
④ After releasing [PTT] you can hear the response through the speaker.

```
   INTERCOM
 📻  TALK 🎤       On the caller's display
```

```
   INTERCOM
 📻  LSTN 🎤       On the listener's display
```

⑤ To return to the normal operating mode, push [EXIT].

27 RX Speaker function

① Push [RX 🔊] to enter the RX Speaker mode.
  • The RX Speaker volume level adjustment screen is displayed.

```
 RX SP Volume:       8
 🔊 ▆▆▆▆▆▆▆▆

```

② Rotate Dial or push [▲]/[▼]/[◀]/[▶] to adjust the RX Speaker volume level, and then push [ENT].
  • "RX 🔊" appears.
③ To return to normal operating mode, push [RX 🔊].
  • "RX 🔊" disappears.

28 PA (Public Address) function

① Push [PA] to enter the Public Address mode.
② Hold down [PTT] and speak at a normal voice level.
  • While holding down [PTT], the screen below is displayed.
  • To adjust the PA volume level, rotate Dial.

```
        PA

 EXIT
```

③ Push [EXIT] to return to normal operating screen.

29 Horn function

① Push [HORN] to enter the Horn mode.
② Hold down [HORN] to sound a horn.
  • While holding down [HORN], the horn sounds, and the screen below is displayed.
  • To adjust the horn volume level, rotate Dial.

```
       HORN

 EXIT       HORN
```

③ Push [EXIT] to return to the normal operating screen.

30 Menu screen operation

The Menu screen is used to change the transceiver's functions and the microphone's own functions, send DSC calls or show the programmed MMSI and ATIS*[1] codes and GPS information*[2].
*[1] Appears only when the transceiver is the Dutch or German version.
*[2] Appears only when a GPS receiver compatible with NMEA0183 ver. 2.0 or 3.01 is connected to the transceiver.

These instructions are for only the microphone's own functions. Refer to the transceiver'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 [▲]/[▼] to select the root item, and then push [ENT].
③ Rotate Dial or push [▲]/[▼] to select the desired item, and then push [ENT].
④ Rotate Dial or push [▲]/[▼] to select the option, and then push [ENT] to set it.
⑤ Push [EXIT] to exit the Menu screen.
  • Push [CLEAR] or [BACK] to return to the previous screen.

• Backlight
The function display and keys of the HM-195 can be backlit for better visibility under low light conditions.
The backlight can be set to 7 levels and OFF.   (Default: 7)

• Display contrast
The contrast of the HM-195's function display can be adjusted in 8 steps.
Level 1 is the lowest contrast, and level 8 is the highest contrast.   (Default: 5)

• Key Beep
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.   (Default: ON)

• COMMANDMIC Speaker
The HM-195's external speaker can be used instead of the internal speaker.   (Default: Internal Speaker)

/// Regardless of this setting, the transceiver's microphone speaker is ON.

☞See "Instructions ①" (**1** to **15**) or "Instructions ②" (**16** to **21**) for other functions.

31 Menu Screen Operation 2

See "Instructions ③" (**30** Menu screen operation) for entering the menu screen operation.

The Menu screen is used for programming infrequently changed values, function settings or sending DSC calls.
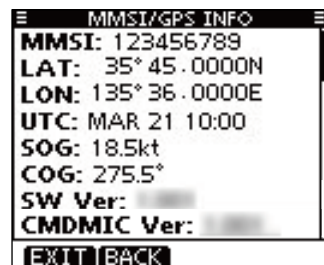
MENU
DSC Calls   ▶
DSC Settings   ▶
Radio Settings   ▶
Configuration   ▶
MMSI/GPS Info   ▶

Menu lists

◇ **MMSI/GPS Information**

The transceiver shows the programmed MMSI code and GPS information.
If the code is not programmed, "NO DSC MMSI" is displayed.

MMSI/GPS INFO
MMSI: 123456789
LAT: 35°45.0000N
LON: 135°36.0000E
UTC: MAR 21 10:00
SOG: 18.5kt
COG: 275.5°
SW Ver:
CMDMIC Ver:
EXIT BACK

---

32 Radio Settings items

◇ **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.

(Default: Priority Scan)

SCAN TYPE
Normal Scan
✓ Priority Scan

EXIT BACK   ENT
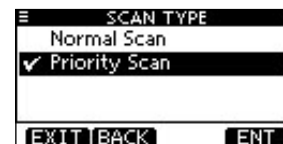
◇ **Scan timer**

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.

(Default: OFF)

• **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 other than 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.

SCAN TIMER
ON
✓ OFF

EXIT BACK   ENT
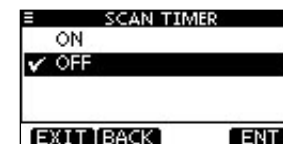
◇ **Dual/Tri-watch**

This item can be selected as Dualwatch or Tri-watch.
(p. 19)   (Default: Dualwatch)

DUAL/TRI-WATCH
✓ Dualwatch
Tri-watch

EXIT BACK   ENT

◇ **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.

CHAN GROUP
✓ USA
INT
CAN

EXIT BACK   ENT

◇ **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.

(Default: OFF)

ON with Scan : The preprogrammed weather channels are sequentially checked while scanning.
ON   : The previously selected (last used) weather channel is checked while scanning.
OFF   : The transceiver does not detect a weather alert tone.

WX ALERT
ON with Scan
ON
✓ OFF

EXIT BACK   ENT

See "Instructions ③" (**30** Menu screen operation) for Backlight, Display Contrast, Key Beep, and COMMANDMIC Speaker functions details.
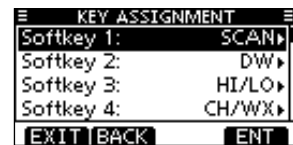
◇ Key Assignment

Desired functions can be assigned to Dial and the softkeys.

① When the "KEY ASSIGNMENT" screen is displayed, rotate Dial or push [▲]/[▼] to select "Dial" or "Softkeys," and then push [ENT].

② Rotate Dial or push [▲]/[▼] to select the desired position, and then push [ENT].
  • To return to the default, select "Set default" and push [ENT].
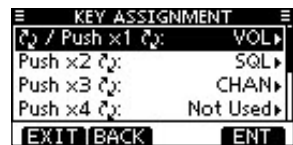
For "Dial" assignment   For "Softkeys" assignment

③ Rotate Dial or push [▲]/[▼] to select the option, and then push [ENT] to set it.
  • "✔" is displayed next to the selected option.
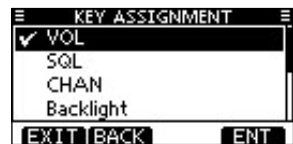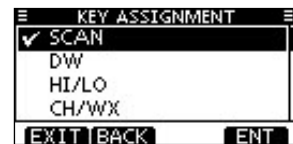
For "Dial" assignment   For "Softkeys" assignment*

*[CH/WX] appears instead of [CHAN], depending on the version.

④ 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 level (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 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 3 for details of the assignable key functions.
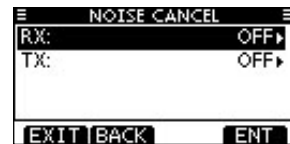
◇ UTC Offset

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)

◇ Noise Cancel

Set the Noise Cancel function for both receive and transmit.

① When the "NOISE CANCEL" screen is displayed, rotate Dial or push [▲]/[▼] to select "RX" or "TX," and then push [ENT].


② Rotate Dial or push [▲]/[▼] to select the option, and then push [ENT] to set it.
  • "✔" is displayed next to the selected option.

③ Push [EXIT] to exit the Menu screen.
  • 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 third.
3   : The Noise Cancel function reduces random noise components in the received signal to approximately one tenth.
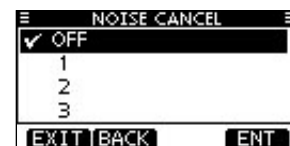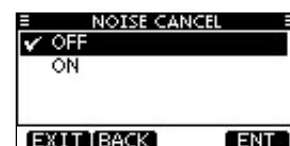

• TX

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.

◇ 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" item, and set to between 1 and 15 minutes (in 1 minute steps) or OFF for the "DSC Related" item. The count down 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 [▲]/[▼] to select "Not DSC Related" or "DSC Related," and then push [ENT].

② Rotate Dial or push [▲]/[▼] to select the option, and then push [ENT] to set it.
  • "✔" is displayed next to the selected option.

③ Push [EXIT] to exit the Menu screen.
  • Push [CLEAR] or [BACK] to return to the previous screen.
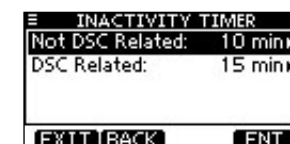
• Not DSC Related

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: 10 min)

• 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.
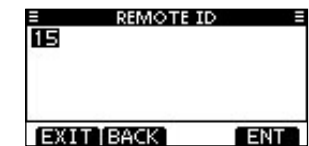(Default: 15 min)

◇ 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.