



**MDC 1200**  
Compatible

OPERATING GUIDE

**OPERATING GUIDE FOR  
IC-F50V/F60V SERIES  
MDC 1200 SYSTEM  
OPERATION**

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Icom Inc.

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# IMPORTANT


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Thank you for purchasing this Icom radio. The MDC 1200 system functions are available for your IC-F50V/F60V series radio.

**READ ALL INSTRUCTIONS** carefully and completely before using the transceiver.

**SAVE THIS OPERATING GUIDE** — This operating guide contains important operating instructions for;

- **IC-F50V/F51V** VHF TRANSCEIVERS
- **IC-F60V/F61V** UHF TRANSCEIVERS

 **NOTE: DO NOT** operate the transceiver near unshielded electrical blasting caps or in an explosive atmosphere. The IC-F50V/F60V series transceivers are not the explosion-proof construction.

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## ■ Programmable function keys

The following functions can be assigned to [P0], [P1], [P2], [P3], [Red], [▼] and [▲] programmable function keys.

Consult your Icom dealer or system operator for details concerning your transceivers programming.

If the programmable function names are bracketed in the following explanations, the specific switch used to activate the function depends on programming.

### ***MDC CALL KEY***

- Push to enter the MDC menu selection mode. Then select the desired MDC menu from “SELCALL,” “MSG,” “STATUS,” “RADIOCHK” and “CALALERT” using [CH Up]/[CH Down].  
After selection, push this key again to enter the transceiver alias or message channel selection mode.
- While in the transceiver alias or message channel selection mode, push to return to the MDC menu selection mode.

### ***MDC SELCALL KEY***

Push to enter the transceiver alias selection mode.

- After the desired alias selection, push [PTT] to transmit a selective call.

### ***MDC CALLALERT KEY***

Push to enter the transceiver alias selection mode.

- After the desired alias selection, push [PTT] to transmit a call alert.

## 2 OPERATION

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### ■ MDC 1200 system operation

The MDC 1200 signaling system enhances your transceiver's capabilities. It allows PTT ID, Selective Calling, Call Alert, Radio Check, Messaging and Emergency signaling. Also, the dispatcher can stun and revive transceivers on the system.


An additional feature of MDC 1200 system found in Icom transceivers is called aliasing. Each transceiver on the system has a unique ID number. Aliasing allows the substitution of an alphanumeric name for this ID number. For transmit, you can use this alias to select a transceiver to call. For receive, the alias of the calling station is displayed instead of the ID.

Please note that your dealer has set one of the programmable keys ([P0], [P1], [P2], [P3], [Red], [▼] and [▲]) for MDC 1200 system operation.

## ■ Receiving a call

### ◇ Receiving a Selective Call

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- ① When an individual call is received;
- Beeps sound.
  - The transceiver vibrates depending on the setting.
  - “

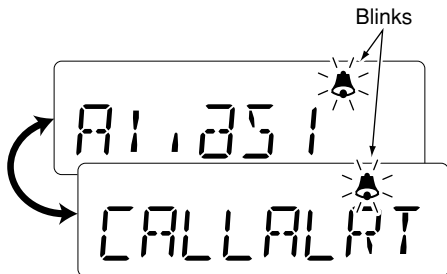
The diagram shows two stages of a digital display. The top stage shows the alias 'A1251' and a speaker icon. An arrow labeled 'Appears' points to the speaker icon, and another arrow labeled 'Blinks' points to a bell icon. The bottom stage shows 'SELCALL' and a speaker icon. An arrow labeled 'Appears' points to the speaker icon, and another arrow labeled 'Blinks' points to a bell icon. A curved arrow on the left indicates the transition from the top stage to the bottom stage.

- ② Push and hold [PTT] and speak into the microphone.  
③ Release [PTT] to receive a response.

## 2 OPERATION

### ◆ Receiving a Call Alert

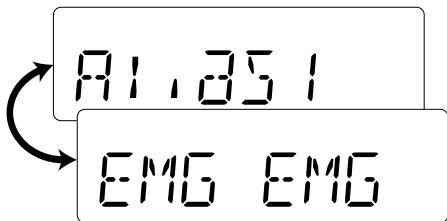
- ① When a Call Alert is received;
  - Beeps sound.
  - The transceiver vibrates depending on the setting.
  - “🔔” blinks.
  - The calling station alias and “CALLALRT” are displayed alternately.



- ② Push and hold [PTT] and speak into the microphone.
- ③ Release [PTT] to receive a response.

## ◇ Receiving an Emergency Call

- ① When an emergency call is received;
  - Beeps sound.
  - The transceiver vibrates depending on the setting.
  - The calling station alias and “EMG EMG” are displayed alternately.



- ② Turn power OFF, change the channel, etc. to stop the beep and display indication.

## ◇ Stun and Revive

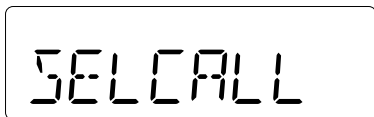
The dispatcher can send MDC 1200 system signals that will stun or revive your transceiver. If a Stun command is received that matches your station ID, the transceiver will display “SORRY” and you can not receive or transmit. When a Revive command is received that matches your station ID, normal operation is restored.

# ■ Transmitting a call

## ◇ Transmitting a Selective Call

Selective calling allows you to make a call to a specific station or to a particular group. Other MDC 1200 system transceivers on the channel will not receive a selective call that does not match their station or group ID's.

- ① Push [MDC Call] to enter the MDC menu selection mode.
  - Or push [MDC Selcall] to enter the transceiver alias selection mode. In this case, skip step ②.



- ② Push [MDC Call] again to enter the transceiver alias selection mode.
- ③ Select the desired alias using [CH Up] or [CH Down].
- ④ Push and hold [PTT] to transmit the selective call to the selected station, then speak into the microphone.
- ⑤ Release [PTT] to receive.



## ◇ Transmitting a Call Alert

Call Alert allows you to notify another user who may be away from the transceiver that you want to talk.

- ① Push [MDC Call] to enter the MDC menu selection mode.
  - Or push [MDC CallAlert] to enter the transceiver alias selection mode. In this case, skip steps ② and ③.
- ② Select “CALALERT” using [CH Up] or [CH Down].



CALALERT

- ③ Push [MDC Call] again to enter the transceiver alias selection mode.
- ④ Select the desired alias using [CH Up] or [CH Down].
- ⑤ Push [PTT] to transmit the call alert to the selected station.
  - “CA CALL” is displayed.
- ⑥ Release [PTT].
  - “CA OK” is displayed if the targeted station received the alert.
  - “CA FAIL” is displayed if the targeted station does not send an acknowledgement.
- ⑦ After a specified time period has passed, the transceiver will return to receive.

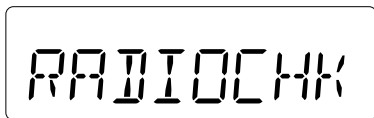
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## 2 OPERATION

### ◆ Transmitting a Radio Check Call

Radio check call allows you to determine whether another transceiver is turned on, within range and on channel without requiring any action from the targeted station user.

- ① Push [MDC Call] to enter the MDC menu selection mode.
- ② Select "RADIOCHK" using [CH Up] or [CH Down].



- ③ Push [MDC Call] again to enter the transceiver alias selection mode.
- ④ Select the desired alias using [CH Up] or [CH Down].
- ⑤ Push [PTT] to transmit the radio check call to the selected station.
  - "RDO CHK" is displayed.
- ⑥ Release [PTT].
  - "CHK ACK" is displayed if the targeted station is turned ON, on channel and within range.
  - "CHK FAIL" is displayed if the targeted station does not send an acknowledgement.
- ⑦ After a specified time period has passed, the transceiver will return to receive.

## ◇ Transmitting a Status Message

Status Messaging allows you to send a pre-programmed status message to the dispatcher. There are 16 status codes that can be sent. In addition, the dispatcher can send an MDC 1200 system signal that causes the transceiver to automatically transmit its current status.

- ① Push [MDC Call] to enter the MDC menu selection mode.
- ② Select "STATUS" using [CH Up] or [CH Down].



STATUS

- ③ Push [MDC Call] again to enter the status message selection mode.



STATUS 1

Pre-programmed status  
message is displayed.

- ④ Select the desired status message using [CH Up] or [CH Down].
- ⑤ Push [PTT] to transmit the status message to the dispatcher.
  - "STAT TX" is displayed.
- ⑥ Release [PTT].
  - "STAT OK" is displayed.
  - "STA FAIL" is displayed if there is no acknowledgment from the dispatcher.
- ⑦ After a specified time period has passed, the transceiver will return to receive.

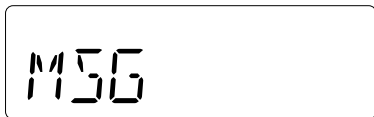
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## 2 OPERATION

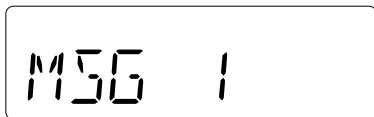
### ◆ Transmitting a Message

The transceiver can send a pre-programmed message (up to 8-character) to the dispatcher. There are 16 messages that can be sent on a channel.

- ① Push [MDC Call] to enter the MDC menu selection mode.
- ② Select "MSG" using [CH Up] or [CH Down].



- ③ Push [MDC Call] again to enter the pre-programmed message selection mode.



Pre-programmed message is displayed.

- ④ Select the desired message using [CH Up] or [CH Down].
- ⑤ Push [PTT] to transmit the message to the dispatcher.
  - "MSG TX" is displayed.
- ⑥ Release [PTT].
  - "MSG OK" is displayed.
  - "MSG FAIL" is displayed if there is no acknowledgment from the dispatcher.
- ⑦ After a specified time period has passed, the transceiver will return to receive.

## ◇ PTTID Calls

The transceiver can send an MDC 1200 system signal that includes PTTID when [PTT] is pushed (beginning of transmission) and released (end of transmission). If a PTTID call is received, the transceiver will display the calling station ID (or alias), emit a beep or vibrate.\*

The details of the vibration function are described in the instruction manual.

\*Depends on the pre-setting.

## ◇ Emergency Calls

The MDC 1200 system Emergency feature can be accessed using the [Emergency] key (described in the instruction manual.) The transceiver will repeatedly send an Emergency MDC 1200 system command for a programmed length of time until it receives an acknowledgement signal.

The emergency call can be transmitted without a beep emission and LCD indication change depends on the setting.

With MDC 1200 system Emergency, the transceiver can also be programmed to keep the microphone open during an emergency call, allowing monitoring of the situation.

Ask your dealer for details.

**Count on us!**

