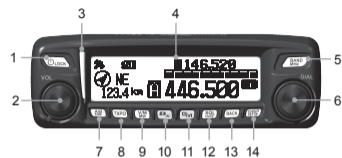


# FTM-100DR/DE

## Quick Manual C4FM/FM



- 1 Power/LOCK key ( )
- 2 VOL knob
- 3 Indicator
- 4 Dot matrix LCD display
- 5 BAND MHz key ( )
- 6 DIAL knob
- 7 A/B DW key ( )
- 8 TXPO key ( )
- 9 V/M MW key ( )
- 10 D/X key ( )
- 11 GM key ( )
- 12 SQL VOICE key ( )
- 13 BACK key ( )
- 14 DISP SETUP key ( )

### Inputting/changing the call sign

#### Inputting the call sign

When turning the transceiver on for the first time after purchase, or after resetting the transceiver, a screen requesting input of your call sign appears.



Rotate the DIAL to select a character, then press . The character is entered, then the cursor moves to the right by one.

After inputting the call sign, press .

**Supplement** To switch the character type, press ([A/a] appears on the upper side). Pressing each time switches the characters in the following order: Uppercase letters→Symbols→Numbers

#### Changing the call sign

The call sign can be changed from the Setup menu. Press and hold for over one second, then rotate the DIAL to select [14 CALLSIGN] and then press three times. Rotate the DIAL to select the desired character, and then press . After inputting the call sign, press followed by .

### Returning to the operating screen

Press to return to the operating screen from the Setup menu.

**Supplements** • Press to return to the previous screen.  
• Press and hold for over one second to return to the operating screen.

### Restoring defaults (All Reset)

All transceiver settings and memory content may be restored to the default settings.

Press and hold for over one second, then rotate the DIAL to select [13 RST/CLONE] and press . Rotate the DIAL to select [1 FACTORY RESET], then press . Rotate the DIAL to select [OK?], then press .

### Adjusting the volume

Rotate the volume clockwise/counterclockwise to adjust the volume level.

### Selecting the operating band

Pressing each time switches the operating band between the A-band and B-band. The operating band appears on the bottom of the screen and the sub-band appears on the top of the screen. Pressing and holding for over one second switches the dual watch function between ON and OFF.

### Tuning in to the frequency

Press to switch to VFO mode, then rotate the DIAL. Pressing and holding for over one second allows selecting the frequency in 1 MHz units.

### Selecting the frequency band

Press repeatedly to select the receive frequency band setting (marked with ●) on the operating band in the order shown in the table below. The receive frequency bands can differ depending on the setting of [8 CONFIG] → [11 RX COVERAGE] in the Setup menu.

Frequency bands on the A-band and B-band	11 RX COVERAGE setting	
	NORMAL (default setting)	WIDE
108 MHz to 137 MHz	—	●
137 MHz to 174 MHz	●	●
174 MHz to 400 MHz	—	●
400 MHz to 480 MHz	●	●
480 MHz to 999 MHz	—	●

### Selecting communication mode

For normal use, operate the transceiver in AMS mode ( / / ). The operating mode automatically switches to match the received signal.

Press to manually change the communication mode. "AMS"→"DN (V/D mode)"→"VW (FR mode)"→"FM (analog)"

DN: Calls are less prone to interruptions due to detection and correction of voice signals during digital voice signal transmission.

VW: Digital voice data transmission using the entire 12.5 kHz band. Enables high-quality voice communication.

FM: Analog communication mode using FM mode.

### Changing the transmit power level

Press to select the desired transmit power level. Pressing each time switches the level as follows: "HIGH"→"LOW"→"MID".

### Using the memory channels

Frequently used frequencies can be registered to the memory channels. You can also assign a name to each memory channel.

#### Registering frequencies

Switch to VFO mode, then rotate the DIAL to tune in to the frequency you want to register to the memory channel. Press and hold for over one second, then rotate the DIAL to select the desired memory channel and press . The frequency and memory channel number are displayed on the screen.

#### Assigning a name to the memory channel

Press and hold for over one second, then press . Rotate the DIAL to select the memory channel that is to be assigned a name. Press access the name input screen, then press twice. The memory name is registered and the tag is displayed on the screen.

### Locking the keys and knobs

Press (Power/LOCK) to lock the keys and knobs.

Press (Power/LOCK) again to unlock.

## Communicating

Using this transceiver enables digital communications with Yaesu C4FM digital amateur transceivers and also communication with FM analog transceivers.

When using AMS (AM/FM), the operating mode recognizes C4FM digital or analog FM signals, and automatically switches to match the received signal.

When operating in DN or VW digital modes, be especially aware of the analog stations using the frequency, and do not transmit when there is a risk of interference.

\*Select the mode in accordance with circumstances.

## Transmitting

While pressing [PTT] on the microphone, speak into the microphone keeping it approximately 5 cm from your mouth.

In analog mode, the upper and lower portions of the indicator light red. In digital audio mode, the upper portion lights red and lower portion lights blue.

## Receiving

Release [PTT] on the microphone to return to receive mode. Upon receiving a C4FM digital signal, the station name or call sign of the received station appears.

\*You can change the time duration the received station information is displayed. Press and hold [DISP] for over one second to display the Setup menu, then change the setting from [2 TX/RX]→[6 DIGITAL POPUP TIME].

## Displaying the location information

You can display the current location information of your station. In digital mode, you can also display the location information of the received stations.

### Displaying the location information of your station

On the normal screen, the current location information of your station is displayed on the left side of the frequency display. The screen displays the compass indicating the direction you are heading, and your station movement speed.



### Displaying location information of the received station in digital mode

On the normal screen, press [DISP] briefly once to display the current location information of the received station on the left side of the frequency display. The screen displays the compass indicating the direction and distance to the received station from your station.



## Using the GM function

In GM mode, the group members that are within communication range and group members that are outside of your communication range are displayed separately. The direction and distance to the available group members from your station are displayed in real-time. Group members can also exchange messages and images.

\*A microSD memory card is required for data management. Refer to "Using a microSD memory card" in the Operating Manual to insert the microSD memory card into the transceiver.

\*During the GM operation, press [AW] to quit the GM operation and return to the VFO or memory mode operation screen.

### Display GM stations operating within range

On the operating band, tune in to the frequency, then in AMS mode (AM/FM) or digital mode (DN/VW), press [AW]. Displays stations operating GM on the same frequency, which are within communication range.

Selected station      Within communication range



Direction and distance to the selected station

Outside communication range

Message preview



There is a new message

## Checking transmit and receive messages and images

From the message list or image list on the [LOG SELECT] screen, you can view the data. You can also create and send a new message, reply to the received data or forward the received data to the group members.

NEW	Creating and sending a new message
	Message received (unread)
	Message received (read)
	Message sent
	Message failed to send
	Image received (unread)
	Image received (read)
	Image sent
	Image failed to send

\*For details on how to create new messages, edit the groups/group members, synchronize the operating group member information with other stations (SYNC function), and import/export the group information using a microSD memory card, refer to the GM Function Instruction Manual (download from Yaesu website).