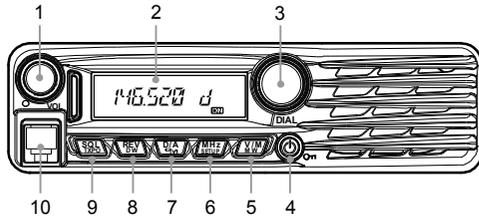


# FTM-3200DR

## Quick Manual

## C4FM/FM



- 1 VOL knob
- 2 LCD display
- 3 DIAL knob
- 4 Power/LOCK key
- 5 V/M MW key ( $\swarrow$  V/M)
- 6 MHz SETUP key ( $\swarrow$  MHz SETUP)
- 7 D/A GM key ( $\swarrow$  D/A)
- 8 REV DW key ( $\swarrow$  REV)
- 9 SQL TXPO key ( $\swarrow$  SQL)
- 10 External MIC jack

### 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.



Press  $\swarrow$  V/M, then rotate the DIAL to input the call sign. You can move the cursor to the right by pressing  $\swarrow$  V/M. Press  $\swarrow$  MHz SETUP for over one second to register the input call sign.

**Supplement** By rotating the DIAL, you can switch the characters in the following order: "space"  $\rightarrow$  " - "  $\rightarrow$  " / "  $\rightarrow$  0 to 9  $\rightarrow$  A to Z. Note that "space", " - ", and " / " are not selectable for the first character.

#### Changing the call sign

The call sign can be changed from the Setup menu. Press and hold  $\swarrow$  MHz SETUP for over one second, then rotate the DIAL to select "MY CALL 53" and then press  $\swarrow$  MHz SETUP. Rotate the DIAL to select the desired character. You can move the cursor to the right by pressing  $\swarrow$  V/M. After inputting the call sign, press and hold  $\swarrow$  MHz SETUP for over one second.

### Returning to the operating screen

Press and hold  $\swarrow$  MHz SETUP for over one second to return to the operating screen from the Setup menu.

**Supplements**

- Press  $\swarrow$  MHz SETUP to return to the previous screen.
- Press and hold  $\swarrow$  MHz SETUP 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.

Turn the power OFF. While pressing  $\swarrow$  V/A,  $\swarrow$  MHz SETUP, and  $\swarrow$  V/M, turn the power ON. When "ALL RESET PUSH V/M KEY" appears, release the keys.

Press  $\swarrow$  V/M to reset.

### Adjusting the volume

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

### Tuning in to the frequency

Press  $\swarrow$  V/M to switch to VFO mode, then rotate the DIAL. Press  $\swarrow$  MHz SETUP to make the first three digits of the frequency display blink, then rotate the DIAL to set the frequency by one MHz increments.

### Selecting communication mode

For normal use, operate the transceiver in AMS mode (The "DN" icon blinks). The operating mode automatically switches to match the received signal. Press  $\swarrow$  V/A to manually change the communication mode.

"ANALOG (No icon appears)" "AMS (The "DN" icon blinks)"  $\rightarrow$  "DN (The "DN" icon lights)"

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

ANALOG: Analog communication using FM mode. Effective when the signal is weak and audio is susceptible to interruption in digital mode.

### Changing the transmit power level

Press and hold  $\swarrow$  SQL for over one second, then rotate DIAL to select the transmit power level.

"HIGH"  $\rightarrow$  "LOW"  $\rightarrow$  "MID"

Press  $\swarrow$  SQL to set the transmit power level.

## 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  $\frac{V}{M}$  for over one second, then rotate the DIAL to select the desired memory channel and press  $\frac{V}{M}$ .

### Assigning a name to the memory channel

Press  $\frac{V}{M}$  to switch to memory mode. Rotate the DIAL to select the memory channel that is to be assigned a name. Press and hold  $\frac{MHz}{SETUP}$  for over one second, then rotate the DIAL to select "MEM NAME 25".

Press  $\frac{MHz}{SETUP}$ , then rotate the DIAL to input the name. You can move the cursor to the right by pressing  $\frac{V}{M}$ . Press and hold  $\frac{MHz}{SETUP}$  for over one second to save the input name.

## Locking the keys and DIAL

Press Power/LOCK to lock the keys and knobs.  
Press Power/LOCK again to unlock.

## Communicating

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

When using AMS (The "DN" icon blinks), the operating mode recognizes C4FM digital or analog FM signals, and automatically switches to match the received signal.

When operating in 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 are 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  $\frac{MHz}{SETUP}$  for over one second to display the Setup menu, then change the setting from "DI POPUP 12".

## Scanning

The FTM-3200DR is equipped with a scanning function to search for memory channels and frequencies with active signals.

### VFO scan

Press  $\frac{V}{M}$  to switch to VFO mode.

Press and hold [UP] or [DWN] on the microphone for over one second.

Pressing [UP] scans in the higher frequency direction.

Pressing [DWN] scans in the lower frequency direction.

Press [UP], [DWN] or [PTT] on the microphone to cancel scanning (this does not put the transceiver into transmit mode).

### Memory scan

Frequencies registered to the memory channels can be scanned in the memory channel number order.

Press  $\frac{V}{M}$  to switch to memory mode.

Press and hold [UP] or [DWN] on the microphone for over one second.

Pressing [UP] scans the memory channels in an upward direction.

Pressing [DWN] scans the memory channels in a downward direction.

Press [UP], [DWN] or [PTT] on the microphone to cancel scanning (this does not put the transceiver into transmit mode).

## Using the GM function

While in GM mode, if the transceiver receives a signal from a group member within communication range, the call sign will appear on the LCD display and the "R" icon will light up.

\*During the GM operation, press and hold  $\frac{V/A}$  for over one second to quit the GM operation and return to the VFO or memory mode operation screen.

### Activating GM mode

Tune in to the frequency, then in AMS mode (The "DN" icon blinks) or digital mode (The "DN" icon lights), press and hold  $\frac{V/A}$  for over one second. The transceiver will be in GM mode and the "GM" icon will light up.