Quick Guide

FT2DR/DE

C4FM/FM

Input / Edit the Call Sign

When the power is turned on for the first time after purchase, or when ALL RESET is executed, a screen to input the call sign is displayed.

Touch [123] to switch to the numeric input screen. Touch [ABC] in the numeric input screen to return to the alphabet input screen. Press  to complete the Call Sign entry.

Changing the Call Sign

The Call Sign ID can be changed using the set mode. Press the key for one second or longer to display the “SETUP MENU” and then touch [CALLSIGN].

Alphabet input screen is displayed. Input the call sign using the alphabet input screen and the numeric input screen and then press  .

Selecting the Communication Mode

Use the radio in the AMS (DN) mode for normal operations. The communications mode is automatically selected to match the mode of the received signals. Touch [MODE] to switch the communication mode.

“AMS” → “DN (V/M mode)” → “WV (FM mode)” → “FM (Analog)”

DN: Digital voice and data will be sent simultaneously with automatic error correction, for reliable communications.

WV: Digital voice data is transmitted using the entire 12.5 kHz bandwidth. High quality voice communication is possible.

FM: Analog communication using the FM mode.

Changing the Transmit Power

Touch [FMW] and then turn the DIAL to select the transmit output level.

“HIGH” → “LOW1” → “LOW2” → “LOW3” (When a lithium-ion battery pack, or an external power supply is connected)

Press  after selecting the transmit output power.

Selecting the Frequency Band

Select the frequency band by pressing the key.

Touch [FMW] before pressing the key to switch the frequency band in the reverse order.

Setting the Frequency

Press the VFO key to switch to the VFO mode and then turn the DIAL. Or touch the frequency display area to show the keypad entry screen and enter the frequency manually.

Selecting the Operating Band

The operating band is switched each time the key is pressed. Also, in dual band operations, touching the frequency display area of the non-operating band (displayed in grey), will change it to the operating band. The frequency band displayed in black is the operating band. Each time the key is pressed for one second or longer, the screen will switch between dual band display and mono band display.

Selecting the Set Mode

Press the key for one second or longer while pressing the key, key and key to turn the power ON. Touch [OK] when “SET MODE RESET?” appears on the display.

Reset the Settings

Reset All

Press the key for one second or longer while pressing the key, key and key to turn the power ON. Touch [OK] when “ALL RESET?” appears on the display.

Reset the Settings of the Set Mode

Press the key for one second or longer while pressing the key and key to turn the power ON. Touch [OK] when “SET MODE RESET?” appears on the display.

Input the Call Sign

Please enter your Callsign.

(Max 10 letters)

Input / Edit the Call Sign

To exit set mode and return to the current operation mode, either press  on the left side of the transceiver, or briefly press the key repeatedly.

Return to the Current Operating Screen

To exit set mode and return to the current operation mode, either press  on the left side of the transceiver, or briefly press the key repeatedly.

Selecting the Communication Mode

Use the radio in the AMS mode (DN) for normal operations. The communications mode is automatically selected to match the mode of the received signals. Touch [MODE] to switch the communication mode.

“AMS” → “DN (V/M mode)” → “WV (FM mode)” → “FM (Analog)"

DN: Digital voice and data will be sent simultaneously with automatic error correction, for reliable communications.

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Locking the Keys and Switches

Press (power switch) to lock the key buttons. Press (power switch) again to release the lock.
Communicating
Yaesu C4FM digital amateur transceivers can communicate digitally with each other, and also use FM to communicate with analog amateur transceivers. By selecting the AMS mode (AMS/MAN), the transceiver can automatically match the communication mode of the received signals, and recognize both C4FM digital and FM analog signals for communication purposes. When operating in the digital fixed mode (DN/VW), always be aware of the FM analog users on the frequency. Do not transmit digital signals or interfere with FM communications in progress.

*Select the mode according to the operating situation.

Send
Speak into the microphone from a distance of about 5 cm while pressing the BUSY/TX LED lights up red and the PO meter on the LCD visually displays the transmit power level.

Receive
Release [R] to return to receive mode. Upon receiving a C4FM digital signal, the call sign or name of the sending station is displayed.

Registering Position Information
Touch [MEM] to enter the memory mode and save the position information being displayed, [★], [L1], and [L2] will flash. Touch either [YR] or [MY] to save the respective position information into the corresponding [YR] or [MY] memory register.

Using BACKTRACK
After registering the position to a memory, the direction and distance from your present location to the registered point will be displayed when [★], [L1] or [L2] is touched (BACKTRACK function).

Using Position Information and BACKTRACK
Press the [SET] key to display the BACKTRACK screen.

Displaying My Station Direction of Travel
Touch [MY] to display the direction of travel of your own station.

Displaying the Received Station's Position
Touch [YR] to display the direction and distance to the sending station when receiving the digital information.

Operating GM
In GM mode, group members are shown divided into those within the sphere of communication and those outside. The direction and distance from your own station to members within the sphere of communication will be shown in real time. In addition, messages and images may be sent to and received from other group members.

* A microSD memory card is required for data management purposes.

Displaying Within Range/Out-of-range Stations in the "ALL" Operation Function (no group setting is required)
Set Band A to the desired frequency and press the [AMI] key in the AMS mode (AMS/MAN) or digital mode (DN/VW) to display the operating group select/create new group screen.

Creating a Group
Select “GROUP 01” and then touch [EDIT] in the Select Operating Group Select / Create New Group screen. Up to 16 groups (with a maximum of 24 members each) may be created. When a group is selected, the members will be shown separately from those in the operation under “ALL”.

1 Select “GROUP 01” and touch [EDIT].
2 Input the group name and then press the [OK] key.

Viewing Transmitted and Received Messages and Images
Touch [FMW] followed by [LOG] to select [MESSAGE] or [PICT] and view the message list or the image list. In addition, new messages may be created/sent, replied to, and forwarded.

NEW Creating and sending a new message
Never Received messages (unread)
Never Received messages (read)
Transmitted messages
Transmitted failure messages
Received images (unread)
Received images (read)
Transmitted images
Transmitted failure images
Photos taken with the optional camera microphone