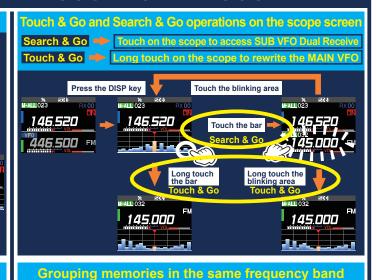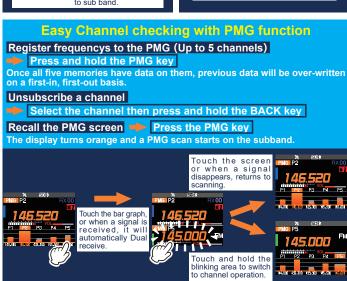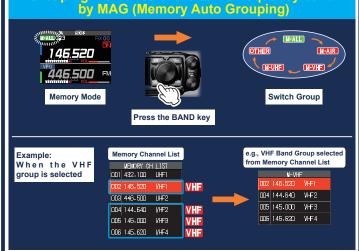# New Functions of the *FTM-500DR/FTM-500DE*
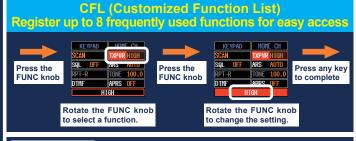
One-touch screen switching keys

Press: Swaps the main and sub band.
Press and hold: Copy the frequency and data values from main to sub band.

Press: Switch between Dual receive and Scope operation.

Touch & Go and Search & Go operations on the scope screen

Search & Go ➡ Touch on the scope to access SUB VFO Dual Receive
Touch & Go ➡ Long touch on the scope to rewrite the MAIN VFO

Press the DISP key
Touch the blinking area

Touch the bar
Search & Go

Long touch the bar
Touch & Go

Long touch the blinking area
Touch & Go

Easy Channel checking with PMG function

Register frequencys to the PMG (Up to 5 channels)
➡ Press and hold the PMG key
Once all five memories have data on them, previous data will be over-written on a first-in, first-out basis.

Unsubscribe a channel
➡ Select the channel then press and hold the BACK key

Recall the PMG screen ➡ Press the PMG key
The display turns orange and a PMG scan starts on the subband.

Touch the bar graph, or when a signal is received, it will automatically Dual receive.

Touch the screen or when a signal disappears, returns to scanning.

Touch and hold the blinking area to switch to channel operation.

Grouping memories in the same frequency band by MAG (Memory Auto Grouping)

Memory Mode

Press the BAND key

Switch Group

Example: When the VHF group is selected

Memory Channel List		
MEMORY CH LIST		
001	432.100	UHF1
002	146.520	VHF1
003	446.500	UHF2
004	144.640	VHF2
005	145.000	VHF3
006	145.620	VHF4

e.g., VHF Band Group selected from Memory Channel List

M-VHF		
002	146.520	VHF1
004	144.640	VHF2
005	145.000	VHF3
006	145.620	VHF4

VFO Band Skip Function
Recall only the bands you use

VFO Mode

Press the BAND key

AIR 108MHz - 137MHz
VHF 137MHz - 174MHz
OTHER 174MHz - 400MHz
UHF 400MHz - 480MHz
OTHER 480MHz - 999.995MHz

Only the bands in use are selected.

Setting method

Press and hold the BAND key

CONFIG	
24 BAND SKIP	
AIR	ON
VHF	ON
UHF	ON
OTHER	ON

Select a band with the FUNC knob

Press the FUNC knob

CONFIG	
24 BAND SKIP	
AIR	OFF
VHF	ON
UHF	ON
OTHER	ON

Rotate the FUNC knob to select ON or OFF

Press any key to complete

CFL (Customized Function List)
Register up to 8 frequently used functions for easy access

Press the FUNC knob

KEYPAD	HOME CH
SCAN	TXPWR HIGH
SQL OFF	ARS AUTO
RPT-R	TONE 100.0
DTMF	APRS OFF
HIGH	

Rotate the FUNC knob to select a function.

Press the FUNC knob

KEYPAD	HOME CH
SCAN	TXPWR HIGH
SQL OFF	ARS AUTO
RPT-R	TONE 100.0
DTMF	APRS OFF
HIGH	

Rotate the FUNC knob to change the setting.

Press any key to complete

Add function to CFL

Press and hold the FUNC knob

DISPLAY	
1 FREQUENCY INPUT	>
2 LCD BRIGHTNESS	
3 FREQUENCY COLOR	
4 BAND SCOPE	
MAX	

Rotate the FUNC knob to select a function from the menu mode.

Press and hold the FUNC knob

KEYPAD	HOME CH
SCAN	TXPWR HIGH
SQL OFF	ARS AUTO
RPT-R	TONE 100.0
BRIGHTNESS APRS OFF	
Write to FUNCTION MENU	

Rotate the FUNC knob to select the area to register.

Press the FUNC knob to complete registration.

C4FM Digital has good sound quality
Stress-free AMS that automatically adapts to the operating mode

Repeat presses of the DX key

DN : C4FM digital mode (AMS)
(Operation mode switches automatically)
DN : C4FM digital mode
FM : FM (Analog) mode

Press the DX key

Touch the frequency in digital mode to display the compass screen.
Touch the compass screen to return to the previous screen.

Display the location information of multiple members in a group conversation
C4FM Group Monitor (DG-ID setting required)

Press the GM key

Callsign ➡ **JA1Y0E**
Direction and Distance ➡ **1.0km**

Touch the call sign to display the Compass screen.
Touch the Compass screen to return to the previous screen.

Description of keys and knobs

① GM key ② DX key ③ ↑↓ key ④ DISP key

⑤ S-DX key ⑥ Power/LOCK key
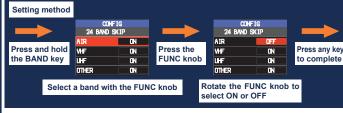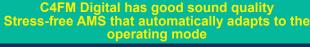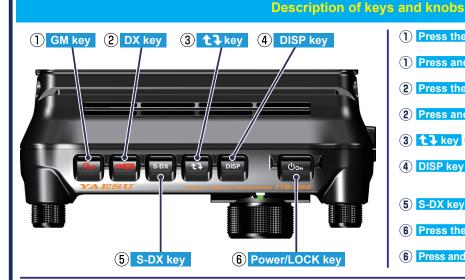
① Press the GM key ➡ GM (group monitor) function
① Press and hold the GM key ➡ Sets the DG-ID number
② Press the DX key ➡ Communication mode changes
② Press and hold the DX key ➡ Access WIRES-X Function
③ ↑↓ key ➡ Switches between main band and sub band
④ DISP key ➡ Switches between dual receive screen and scope screen
⑤ S-DX key ➡ Super DX for better sensitivity
⑥ Press the Power/LOCK key ➡ Locks keys and knobs
⑥ Press and hold the Power/LOCK key ➡ Power ON and OFF

Dual receive screen   Press the [DISP] key to change the screen

Dual receive with Main VFO (top) and Sub VFO (bottom).

Touch the frequency in Digital Mode to display the Compass screen. Touch the Compass screen to return to the previous screen.

Scope screen   Press the [DISP] key to change the screen.

While listening to the main VFO, the status of other frequencies is displayed with a bar graph.
Touch the bar graph to change to dual receive. Touch the screen to return to the previous screen.
Touch and hold the bar graph, to change the MAIN VFO to that frequency.

PMG (Primary Memory Group) screen   Press the [PMG PW] key to change the screen.

The status of channels registered in PMG is displayed in a bar graph.
Touch the bar graph to change to dual receive. Touch the screen to return to the previous screen.
Touch and hold the bar graph to change to the indicated receive frequency.

Quick Back function   Press the [BACK] key to return to the previous screen.

When tuning from the current operating frequency to another frequency, pressing the [BACK] key within 5 seconds will automatically return to the previous frequency. (Does not work with PMG.)

⑨ MAIN VFO knob ⑩ FUNC knob

⑦ MAIN VOL/SQL knob ⑫ PMG key ⑬ V/M key

⑧ SUB VOL/SQL knob ⑭ BAND key ⑮ BACK key

⑪ SUB VFO knob

⑦ MAIN VOL/SQL knob ➡ adjusts MAIN Band volume
(Press: to adjust the MAIN Band squelch)
⑧ SUB VOL/SQL knob ➡ adjusts SUB Band volume
(Press: to adjust the SUB Band squelch)
⑨ MAIN VFO knob ➡ tune frequency up/down
(Press: tune frequency 1MHz up/down)
⑩ FUNC knob ➡ Select the functions or items
(Press: Recall the CFL screen)
(Press and hold: To enter Setup Menu)
⑪ SUB VFO knob ➡ tune SUB Band frequency up/down
(Press: tune SUB Band frequency 1MHz up/down)
⑫ Press the PMG key ➡ Recall the PMG screen
⑫ Press and hold the PMG key ➡ Register a PMG
(May register up to 5 channels)
⑬ Press the V/M key ➡ Switches between VFO mode and memory mode
⑬ Press and hold the V/M key ➡ Register memory channel
➡ Select the desired channel number with the FUNC knob.
➡ Press and hold the V/M key
⑭ BAND key ➡ Change the operating band
⑮ BACK key ➡ Return to the previous screen

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