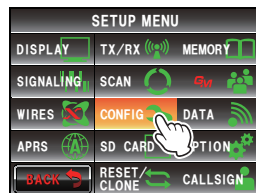


Using the Set-up Menu

Setting the auto repeater shift

When communicating using the repeater, the repeater auto shift function automatically shifts the transmit frequency to match the repeater input frequency. This allows the repeater to be used by simply tuning the FTM-400XDR/DE to the repeater output frequency. This setting may be turned ON or OFF.

- 1 Press  for one second or longer.
The set-up menu will be displayed.
- 2 Touch **[CONFIG]**



- 3 Touch **[4 AUTO RPT SHIFT]** to select ON/OFF.
The setting will switch between "ON" and "OFF" each time it is touched.



ON: The auto repeater shift function will be switched on.

OFF: The auto repeater shift function will be switched off.

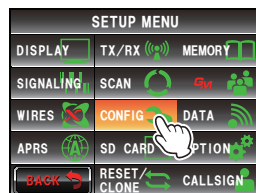
Tip Factory default value: ON

- 4 Press  for one second or longer.
The auto repeater shift will be set and the display will return to the previous screen.

Setting the direction of the repeater shift

The direction of the repeater shift function can be set.

- 1 Press  for one second or longer.
The set-up menu will be displayed.
- 2 Touch **[CONFIG]**



Using the Set-up Menu

3 Touch [5 RPT SHIFT] to select the shift direction

The setting will switch between “OFF”, “-” and “+” each time it is touched.

OFF: The transmit frequency will not shift.

-: The transmit frequency will shift down.

+: The transmit frequency will shift up.

Tip Factory default value: Differs depending on frequency



4 Press [DISP] for one second or longer

The direction of the repeater shift will be set and the display will return to the previous screen.

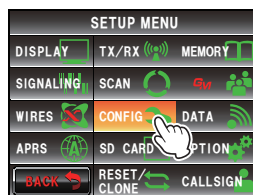
Setting the shift width of the repeater

The offset frequency of the repeater shift function can be set.

1 Press [DISP] for one second or longer

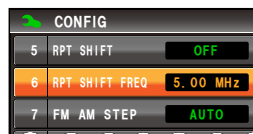
The set-up menu will be displayed.

2 Touch [CONFIG]



3 Select and touch [6 RPT SHIFT FREQ]

The characters of the set value will be displayed in orange color.



4 Turn [ROTARY] to set the shift offset frequency

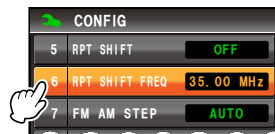
The shift width can be set at 0.05 MHz intervals between 0.00 MHz and 99.95 MHz.

Tip Factory default value: Differs depending on frequency

Using the Set-up Menu

5 Touch [6 RPT SHIFT FREQ]

The characters of the set value will turn green in color.



6 Press [DISP/RECALL] for one second or longer

The offset of the repeater shift function will be set and the display will return to the previous screen.

Setting the frequency step

The change in the frequency when the tuning knob is turned, or when the key is pressed can be set.

Refer to “Changing the frequency step” (P.41) for details.

Setting the volume of the beep

The confirmation sound (beep) that goes off when a key is pressed can be changed.

Refer to “Changing the beep volume” (P.54) for details.

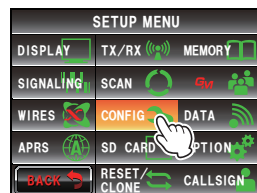
Setting the clock shift of the CPU

The clock signal of the CPU can be changed so that it is not heard as an internal spurious signal by the receiver. Select “A” during normal operation.

1 Press [DISP/RECALL] for one second or longer

The set-up menu will be displayed.

2 Touch [CONFIG]



Using the Set-up Menu

- 3 Touch **[9 CLOCK TYPE]** to set the clock type
The setting switches between “A” and “B” each time it is touched.

A: The clock shift operation will automatically switch on and off.

B: The clock shift will be kept in operation at all times.

Tip Factory default value: A

- 4 Press **[DSP/RECALL]** for one second or longer
The clock shift type will be set and the display will return to the previous screen.

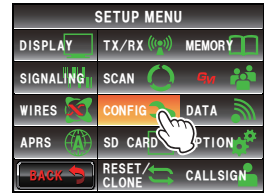


Setting the program key of the microphone

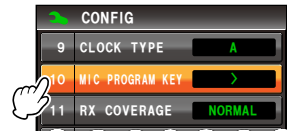
Functions can be assigned to the program keys (P1 to P4) of the provided microphone (MH-48).

- 1 Press **[DSP/RECALL]** for one second or longer
The set-up menu will be displayed.

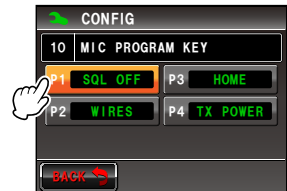
- 2 Touch **[CONFIG]**



- 3 Touch **[10 MIC PROGRAM KEY]**
The setting screen for the microphone program key will be displayed.



- 4 Touch the program key (P1 to P4) where the function is going to be assigned
The functions that can be assigned will be displayed.
When the function you want to assign is not displayed, turn **[ALPHA]** to scroll the display.



- 5 Touch and select the function that you want to assign



Using the Set-up Menu

6 Touch [BACK]

The display will return to the selection screen for the program keys (P1 to P4).



7 Set other program keys

Repeat Steps 4 to 6 to set the functions to be assigned to other program keys.

8 Press [DISP/SEND] for one second or longer

The function will be assigned to the program key and the display will return to the previous screen.

Tip Factory default value: P1: SQL OFF (T-CALL: European version)

P2: HOME

P3: D_X

P4: TX POWER

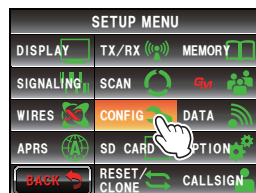
Expanding the receive range

The frequency can be set to receive frequencies such in the air band (108 to 137 MHz) and the information wireless band (174 to 400 MHz, 480 to 999.99 MHz) as well.

1 Press [DISP/SEND] for one second or longer

The set-up menu will be displayed.

2 Touch [CONFIG]



3 Touch [11 RX COVERAGE] to set the receive range

The setting switches between “NORMAL” and “WIDE” each time it is touched.

NORMAL: Receives only the 144 MHz and the 430 MHz bands.

WIDE: Receives the air band and the information wireless band as well.

Tip Factory default value: NORMAL

4 Press [DISP/SEND] for one second or longer

The receive range will be set and the display will return to the previous screen.

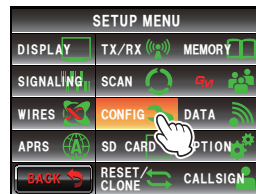


Using the Set-up Menu

Setting the unit display

The unit to be used when displaying the altitude, distance and speed can be set.

- 1 Press **[DISP MENU]** for one second or longer
The set-up menu will be displayed.
- 2 Touch **[CONFIG]**



- 3 Touch **[12 UNIT]** to set the unit
The setting switches between “METRIC” and “INCH” each time it is touched.

METRIC: Displays the unit using the metric system.

INCH: Displays the unit using the inch system.

Tip Factory default value: Depends on the transceiver version



- 4 Press **[DISP MENU]** for one second or longer
The display unit will be set and the display will return to the previous screen.

Switching the power off automatically

The radio can be set to switch the power off automatically when there is no operation for a period of time.

Refer to “Using the APO function” (P.119) for details.

Limiting the continuous transmission time

The radio can be set to return to the reception mode automatically after a time specified in advance has passed in the transmit mode.

Refer to “Using the TOT function” (P.120) for details.

Setting the PIN code of the optional Bluetooth headset

The headset that you are using can be paired with the optional Bluetooth unit mounted in the radio.

Refer to “Setting the PIN code of the Bluetooth headset” (P.137) for details.

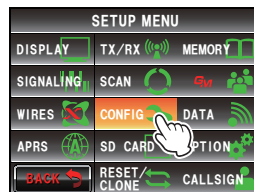
Using the Set-up Menu

Setting the geodetic reference system of the GPS function

The geodetic reference system which serves as the positioning standard of the GPS function can be set.

- 1 Press  for one second or longer
The set-up menu will be displayed.

- 2 Touch **[CONFIG]**



- 3 Touch **[16 GPS DATUM]** to set the geodetic reference system

The setting switches between “WGS-84” and “TOKYO MEAN” each time it is touched.

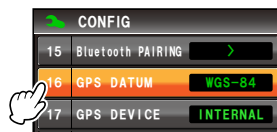
WGS-84: Positions using the global geodetic reference system. This is being used as a standard all around the world.

TOKYO MEAN: Positions using the Japanese geodetic reference system. When positioning in Japan (Tokyo), the error can be made smaller.

Tip Factory default value: WGS-84

- 4 Press  for one second or longer

The geodetic reference system of the GPS function will be set and the display will return to the previous screen.



Positioning using the external GPS device

This is set when connecting an external GPS reception device.

Refer to “Positioning using an external GPS device” (P.84) for details.

Setting the interval for recording the GPS position information

The time interval for recording your own position information in the micro-SD card can be set.

Refer to “Recording the position information (GPS log function)” (P.89) for details.

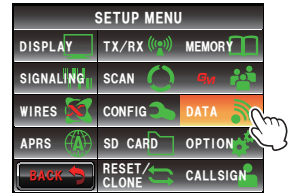
Using the Set-up Menu

Data communication settings

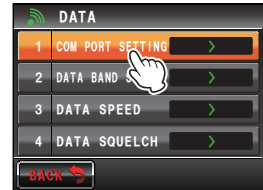
Setting the COM port

The communication speed and function when using the [DATA] jack at the back of the main body as a COM port can be set.

- 1 Press **[DISP/SEND]** for one second or longer
The set-up menu will be displayed.
- 2 Touch **[DATA]**



- 3 Touch **[1 COM PORT SETTING]**
The screen for the detailed settings will be displayed.



- 4 Touch **[SPEED]** to select the communication speed of the COM port

The setting changes as follows each time it is touched.

“4800 bps” → “9600 bps” → “19200 bps” →
“38400 bps” → “57600 bps”

Tip Factory default value: 9600 bps

