

## Communicating with Specified Partner Stations

5 Turn **[A]** to select the DSC code

**Tip** Factory default value: 023



6 Touch **[2 DCS CODE]**

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



7 Press **[DMS]** for one second or longer

The DCS code will be set and the display will return to the previous screen.

**Tip** The display can also be returned to the previous screen by touching **[BACK]** twice.

### Using DCS

1 Press **[F]**

The function menu will be displayed.

2 Touch **[SQL]** to display "D-TRX"

**Tips** • When **[SQL]** is not displayed in the menu, use **[BACK]** or **[FWD]** to change the menu.

• The squelch type changes in the following sequence each time it is touched.

"NOISE" "T-TX" "T-TRX" "T-REV" "D-TRX" "PRGM" "PAGER" "D-TX" "TT/DR" "DT/TR"

\*These squelch types will be displayed when

**[SIGNALING]** → **[8 SQL EXPANSION]** is set to "ON" in the set-up menu.

The squelch will open only when the set DCS code is received.



#### Tip


A bell can be rung (beep) when signals containing the same DCS code are received (P.110).

## Communicating with Specified Partner Stations


### Using the pager function

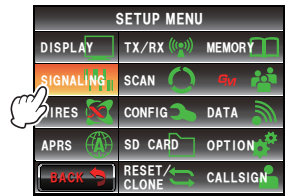
Use this function to call specified stations only by using a pager code that combines two CTCSS tones.


#### Caution

The pager function does not work in the digital mode. Use the  key when beginning operations to switch the communications to the auto-mode select function (AMS) or analog mode.

### Setting the receive station code

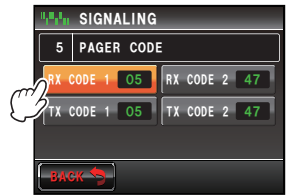
- 1 Press  for one second or longer  
 The set-up menu will be displayed.
- 2 Touch **[SIGNALING]**  
 The menu list will be displayed.




- 3 Turn , or touch the screen to select **[5 PAGER CODE]**
- 4 Touch **[5 PAGER CODE]**  
 The code setting screen will be displayed.



- 5 Touch **[RX CODE 1]** twice  
 The characters of the set value will turn orange in color.



- 6 Turn  to select the code  
 Select the first code from 01 to 50.  
**Tip** Factory default value: 05



- 7 Touch **[RX CODE 1]**  
 The characters of the set value will turn green in color.




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**8** Touch **[RX CODE 2]** twice

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



**9** Turn  to select the code

Select the second code from 01 to 50.


**Tip** Factory default value: 47



**10** Touch **[RX CODE 2]**

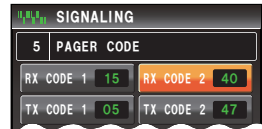
The characters of the set value will turn green in color.



**11** Press  for one second or longer

Your own station code will be set and the display will return to the previous screen.

**Tip** The display can also be returned to the previous screen by touching **[BACK]** twice.



**Tips**

- The two codes “05 47” and “47 05” will be recognized as the same code even if the order is different.
- Three or more stations with the same code can be set (group code) to call all group members at the same time.

## Communicating with Specified Partner Stations

### Activating the pager function

1 Press **[F]**  
 The function menu will be displayed.

2 Touch **[SQL]** to display “PAGER”

**Tips** • When **[SQL]** is not displayed in the menu, use **[BACK]** or **[FWD]** to change the menu.

• The squelch type changes in the following sequence each time it is touched.

“NOISE” “T-TX” “T-TRX” “T-REV” “D-TRX” “PRGM”

“PAGER” “D-TX”\* “TT/DR”\* “DT/TR”\*

\*These squelch types will be displayed when **[SIGNALING]** → **[8 SQL EXPANSION]** is set to “ON” in the set-up menu.



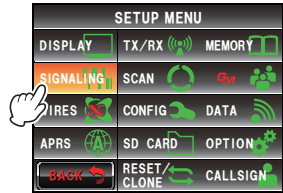
The operating band will standby to receive in the pager mode.



### Recalling a specified station

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

2 Touch **[SIGNALING]**  
 The menu list will be displayed.



3 Turn **[PAGE]**, or touch the screen to select **[5 PAGER CODE]**

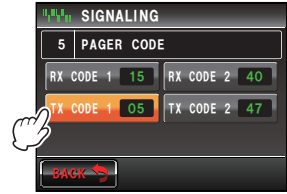
4 Touch **[5 PAGER CODE]**  
 The code setting screen will be displayed.




## Communicating with Specified Partner Stations

**5** Touch **[TX CODE 1]** twice

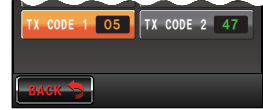
The characters of the set value will turn orange in color.



**6** Turn  to select the code

Select the first code from 01 to 50.

**Tip** Factory default value: 05



**7** Touch **[TX CODE 1]**


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



**8** Touch **[TX CODE 2]** twice

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



**9** Turn  to select the code

Select the second code from 01 to 50.

**Tip** Factory default value: 47



**10** Touch **[TX CODE 2]**

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



**11** Press  for one second or longer

The partner station code will be set and the display will return to the previous screen.

**Tip** The display can also be returned to the previous screen by touching **[BACK]** twice.

**12** Activate the pager function

**13** Press the microphone **[PTT]**

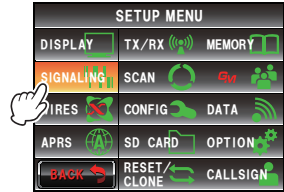
The partner station will be called.

## Communicating with Specified Partner Stations

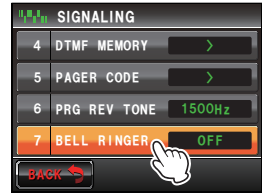
### Notification of an incoming call from a partner station using the bell

When communicating using the tone squelch, DCS or pager, a bell (beep) can be sounded to provide notification that a signal has been received from a partner station.

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



- 3 Touch **[7 BELL RINGER]** to select the length of the bell ring  
 The bell ring changes as follows each time it is touched.  
 “OFF” “1 time” “3 times” “5 times” “8 times”  
 “CONTINUOUS”



**Tip** Factory default value: OFF

- 4 Press **[DISP/STAMP]** for one second or longer  
 The bell ring will be set and the display will return to the previous screen.  
**Tip** The display can also be returned to the previous screen by touching **[BACK]** twice.

### Other squelch functions

#### ● Reverse tone

Touch **[SQL]** in the function menu to display “T-REV”.  
 This is a communication method whereby a tone signal is sent out when there is no sound. When there is a sound, the tone signal will disappear.

#### ● User Programmed Reverse CTCSS Decoder

Touch **[SQL]** in the function menu to display “PRGM”.  
 The user programmable Reverse CTCSS Decoder will mute your FTM-400XDR/DE receiver when it receives a signal containing a CTCSS tone matching your programmed tone. The tone signal frequency can be set at 100 Hz intervals between 300 Hz and 3000 Hz using **[SIGNALING]** → **[6 PRG REV TONE]** in the set-up menu.

## Communicating with Specified Partner Stations

### ● DCS transmission

Touch **[SQL]** in the function menu to display “D-TX”.

The radio sends out the DCS code during transmit.

This can be used only when **[SIGNALING]** → **[8 SQL EXPANSION]** is set to “ON” in the set-up menu.

### ● Tone transmission / DCS reception

Touch **[SQL]** in the function menu to display “TT/DR”.

The radio sends out a tone signal during transmit and goes into receive standby for the previously set DCS codes.

This can be used only when **[SIGNALING]** → **[8 SQL EXPANSION]** is set to “ON” in the set-up menu.

### ● DCS transmission / tone reception

Touch **[SQL]** in the function menu to display “DT/TR”.

The radio sends out the DCS code during transmit and goes into receive standby for the previously set squelch tone.

This can be used only when **[SIGNALING]** → **[8 SQL EXPANSION]** is set to “ON” in the set-up menu.

## Using the DTMF Function

The DTMF (Dual Tone Multi Frequencies) is a “peepoppa” sound heard from a telephone receiver when a call is made on a push phone line. This radio can send out the DTMF code by using the microphone keys or recalling a memory.

A DTMF code with a maximum of 16 digits can be registered in up to 9 channels in the memory. It is convenient to register beforehand telephone numbers that are used for connecting to a public line from a phone patch.

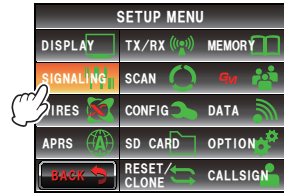
### Tip

The DTMF code is issued based on a combination of the following frequencies.

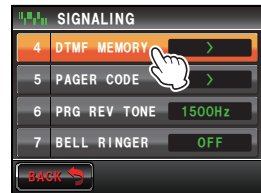
	1209 Hz	1336 Hz	1477 Hz	1633 Hz
697 Hz	1	2	3	A
770 Hz	4	5	6	B
852 Hz	7	8	9	C
941 Hz	*	0	#	D

### Registering the DTMF code

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



- 3 Turn **[DUAL]**, or touch the screen to select **[4 DTMF MEMORY]**
- 4 Touch **[4 DTMF MEMORY]**  
 The DTMF memory screen will be displayed.



- 5 Turn **[DUAL]** or touch the screen to select the channel to be registered
- 6 Touch the selected channel  
 The character input screen will be displayed.

