

# ADMS-7

(Ver. 1.1 or later)  
DG-ID and DP-ID Feature Compatible

## Operation Manual

The ADMS-7 software provides convenient editing of the FTM-400XDR/XDE/DR/DE memory channel frequencies, channel information and alpha tags, using a personal computer. Also the transceiver parameters and the setup menu items may be edited and configured easily from the computer keyboard.

**Attention !**

The ADMS-7 software (Ver. 1.1 or later) can only be used with FTM-400XDR/XDE MAIN firmware version "Ver. 4.00" or later and FTM-400DR/DE MAIN firmware version "Ver. 3.00" or later.

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## Introduction

The ADMS-7 programming software uses a Personal Computer to quickly enter and save the FTM-400XDR/XDE/DR/DE memory channel frequencies and data. Also the many menu settings may be adapted for individual operating preferences. All of the information is saved, and then with the use of the SCU-56/SCU-20 programming cable and ADMS-7 programmer software, it may be downloaded (cloned) to the FTM-400XDR/XDE/DR/DE transceiver.

## Execute ADMS-7

To open the ADMS-7 software, double-click [Ftm400dAdms7.exe].

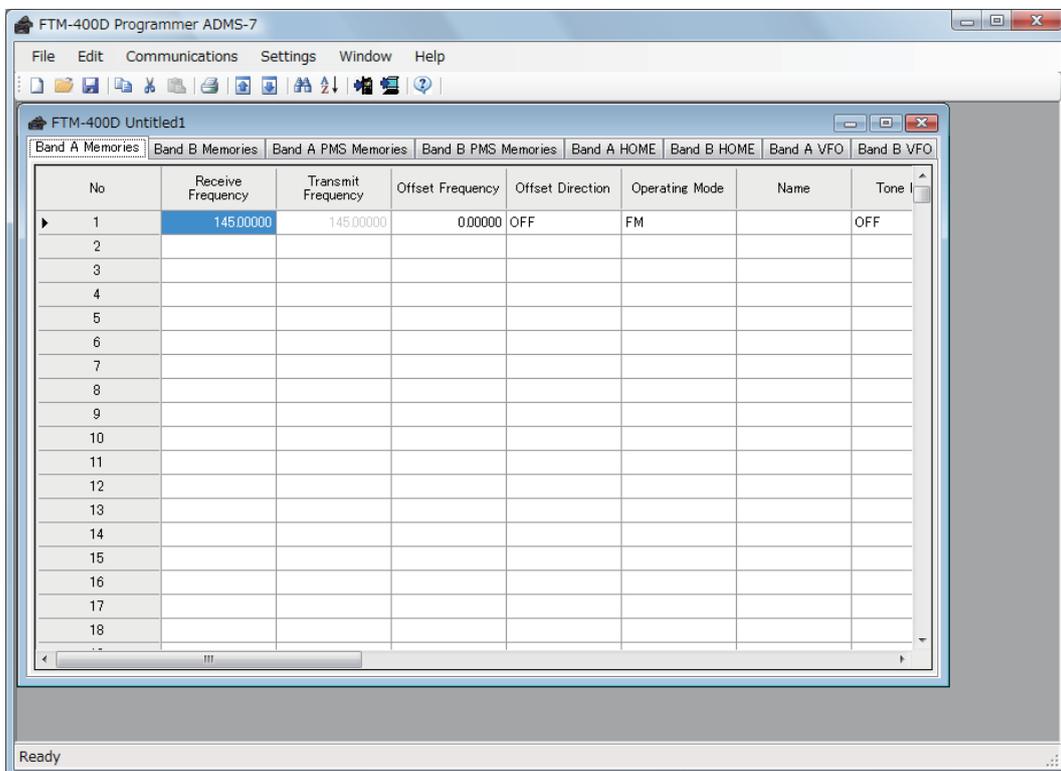
- **To close the ADMS-7 software**

Click [Exit] in the [File] menu to close the ADMS-7.

## Display examples

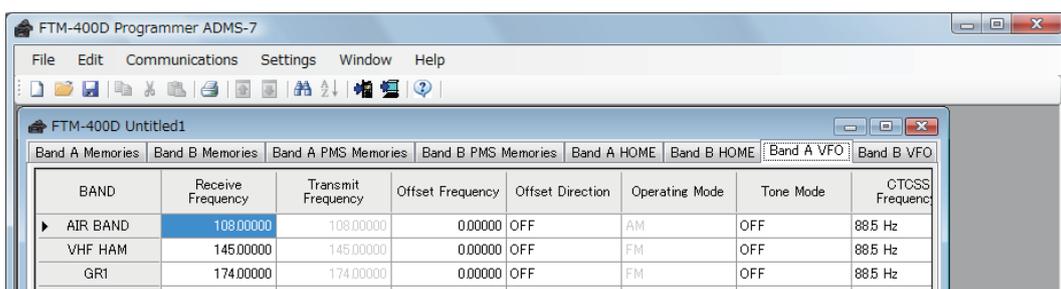
### First Screen

This is the first screen to be displayed when starting the ADMS-7 software.



### Menu Bar

Click the left mouse button on each Menu in the Menu bar to import/export the setting data file, get data form FTM-400D and send data to FTM-400D.



## Set mode screen

Basic setting items which are not related to memory channels can be configured from “Set Mode”. Click the [Settings] in the [Settings] menu to open the item “Set Mode” window.

The screenshot shows the 'SetMode' configuration window with the following sections and settings:

- CONFIG**
  - DATE & TIME FORMAT: yyyy/mm/dd
  - TIME ZONE: UTC+0900
  - AUTO RPT SHIFT(A): ON
  - AUTO RPT SHIFT(B): ON
  - BEEP: LOW
  - P1: SQL OFF
  - MIC PROGRAM KEY P2: HOME
  - P3: D\_X
  - P4: TX POWER
  - RX COVERAGE(A): NORMAL
  - RX COVERAGE(B): NORMAL
  - UNIT: METRIC
  - APO: OFF
  - TOT: OFF
  - GPS DATUM: WGS-84
  - GPS DEVICE: INTERNAL
  - GPS LOG: OFF
  - AUTO MODE(A): ON
  - AUTO MODE(B): ON
  - AUTO STEP(A): ON
  - AUTO STEP(B): ON
- DISPLAY**
  - DISPLAY SELECT
    - ALTITUDE: OFF
    - TIMER/CLOCK: OFF
    - GPS INFO: OFF
  - TARGET LOCATION: COMPASS
  - BACKGROUND COLOR: ORANGE
  - BAND SCOPE(A): WIDE
  - BAND SCOPE(B): WIDE
  - LCD BRIGHTNESS: MAX
  - LCD CONTRAST: 3
  - TIME/VDD: TIME
- DATA**
  - COM PORT SETTING
    - SPEED: 9600bps
    - OUTPUT: OFF(camera)
    - WP FORMAT: NMEA 9
    - WP FILTER: ALL
  - DATA BAND SELECT
    - APRS: B-BAND FDX
    - DATA: B-BAND FDX
  - DATA SPEED
    - APRS: 1200bps
    - DATA: 1200bps
  - DATA SQUELCH
    - APRS: RX BAND
    - DATA: RX BAND
    - TX: ON
- SIGNALING**
  - AUTO DIALER: ON
  - PAGER CODE
  - RX CODE1: 05
  - RX CODE2: 47
  - TX CODE1: 05
  - TX CODE2: 47
  - BELL RINGER(A): OFF
  - BELL RINGER(B): OFF
  - SQL EXPANSION(A): OFF
  - SQL EXPANSION(B): OFF
- DTMF MEMORY**

No	Code
1	
2	
3	
4	
5	
6	
7	
8	
9	
- AUDIO**
  - SUB BAND MUTE: OFF
  - MIC GAIN: NORMAL
- OPTION**
  - USB CAMERA
  - PICTURE SIZE: 320 x 240
  - PICTURE QUALITY: NORMAL
  - BLUE TOOTH
  - AUDIO: AUTO
  - BATTERY: NORMAL
  - VOX: ON GAIN HIGH
  - VOICE MEMORY
    - PLAY/REC: FREE 5 min
    - ANNOUNCE: MANUAL
    - LANGUAGE: JAPANESE
    - VOLUME: HIGH
    - RX MUTE: ON
- FUNCTION SETTINGS**
  - 1: V/M, SQL, MUTE, SCOPE
  - 2: SCAN, SKIP/SEL OFF, HOME, BEACON, REC
  - 3: REV, DW, LOG, BEACON TX, PLAY TRACK ALL
  - 4: TX PWR HI, SQL NOISE, S LIST, x CLR, > PLAY, MSG, VOICE, STOP

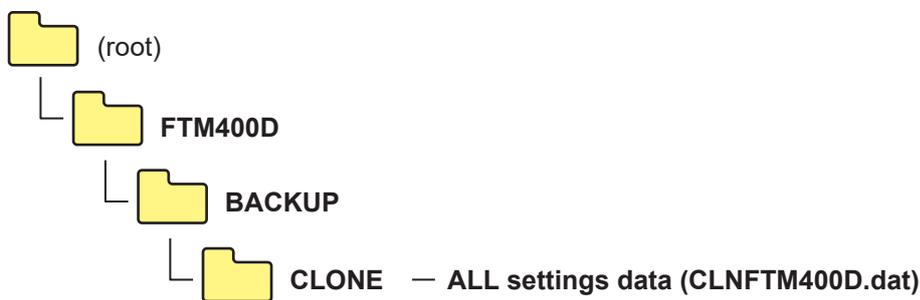
## Be sure to read the transceiver data information before using ADMS-7

It is necessary to read the data information from the transceiver first. If the data is not read, it will not be possible to load the saved file or transfer the data to the transceiver. Read the FTM-400XDR/XDE/DR/DE data information from the transceiver by the following either the microSD card or PC connection cable procedure, before editing the data with ADMS-7.

### Use a microSD card

---

1. Save the FTM-400XDR/XDE/DR/DE data to the microSD card by selecting **“SD CARD”** → **“1 BACKUP”** → **“Write To SD”** → **“ALL”** from the FTM-400XDR/XDE/DR/DE setup menu.
2. Insert the microSD memory card with the saved **“ALL”** data from FTM-400XDR/XDE/DR/DE to the PC.
3. Click **[Get Data from SD card]** in the **[Communications]** menu, then click **[ALL]**.
4. Select the **“CLNFTM400D.dat”** file in the **“FTM-400D”** folder - **“BACKUP”** folder - **“CLONE”** folder of the microSD card drive.



5. Click the **[Open]** button.
6. Click the **[OK]** button.

When the data transfer is complete, the template screen which was imported from the FTM-400XDR/XDE/DR/DE via the microSD memory card will appear on the ADMS-7 screen.

### Use a PC Connection Cable

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1. Connect the FTM-400XDR/XDE/DR/DE to the PC using the PC connection cable SCU-56, SCU-20 or CT-163.
2. When using for the first time, please refer to **“Com Port Setup”** (Page 12) to set the COM port to which the FTM-400XDR/XDE/DR/DE is connected.
3. Press and hold the **[DISP (SETUP)]** key on the FTM-400XDR/XDE/DR/DE.
4. Touch **[RESET/CLONE]**.
5. Touch **[7 CLONE]**.
6. Select and touch **[This radio → other]**.
7. Click **[Get Data from FTM-400D]** in the **[Communications]** menu.
8. Click the **[OK]** button.
9. Touch **[OK?]** on the LCD of the FTM-400XDR/XDE/DR/DE.  
A bar graph will be displayed and data transfer will start.
10. Click the **[Close]** button.

# Names and Functions of Menu Bar

## File

---

### New

---

Open a new configuration file from the disk drive.

Click the **[New]** parameter in the **[File]** menu to open the ADMS-7 FTM-400XDR/XDE/DR/DE default configuration file.

### Open

---

Open a previously-saved configuration file from the disk.

Click the **[Open]** parameter in the **[File]** menu, a pop-up window appears which shows all the saved files in the specified path. The currently open folder is saved and shown in the top box, and the name of the current file is in the bottom box.

Double click the desired file to open it in a new tab on the PC screen.

### Exit

---

Exit the program and close the window.

If the present configuration has not been saved to disk, you will be asked to confirm whether or not you wish to save it.

### Save

---

Save the programming session to the disk with the same name and directory.

Click the **[Save]** parameter in the **[File]** menu, a caution message will appear.

If you agree to over-write the current file, click the **[OK]** box.

### Save As

---

Save the programming session to the disk with a new name.

Click the **[Save As]** parameter in the **[File]** menu, a pop-up window will appear which displays all the current files saved to the specified path.

To save the programming session with a new name, type the new file name in the bottom box, then click the **[OK]** box.

### Import / Import with FT1D format

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You may create an ADMS-7 data file using a spreadsheet such as Microsoft Excel.

To create a data file for the import of data, save the spreadsheet in a "CSV" file format, this separates the template file data with commas.

A spreadsheet may be easily created by exporting the template data in the "CSV" format using the ADMS-7 "Export" command. After the "CSV" data has been edited the spreadsheet may be imported back into the ADMS-7 Programmer. (See "Export" command for details).

A separate import file is needed for each template.

For example, to import the VFO and memory templates; first, Click the **[VFO]** tab to display the VFO template, then import the VFO (CSV) file; next, Click the **[Memories]** tab to display the "Memory" template; then import the Memory (CSV) file.

Do not edit the "Check" line of the right side end of the completed CSV file.

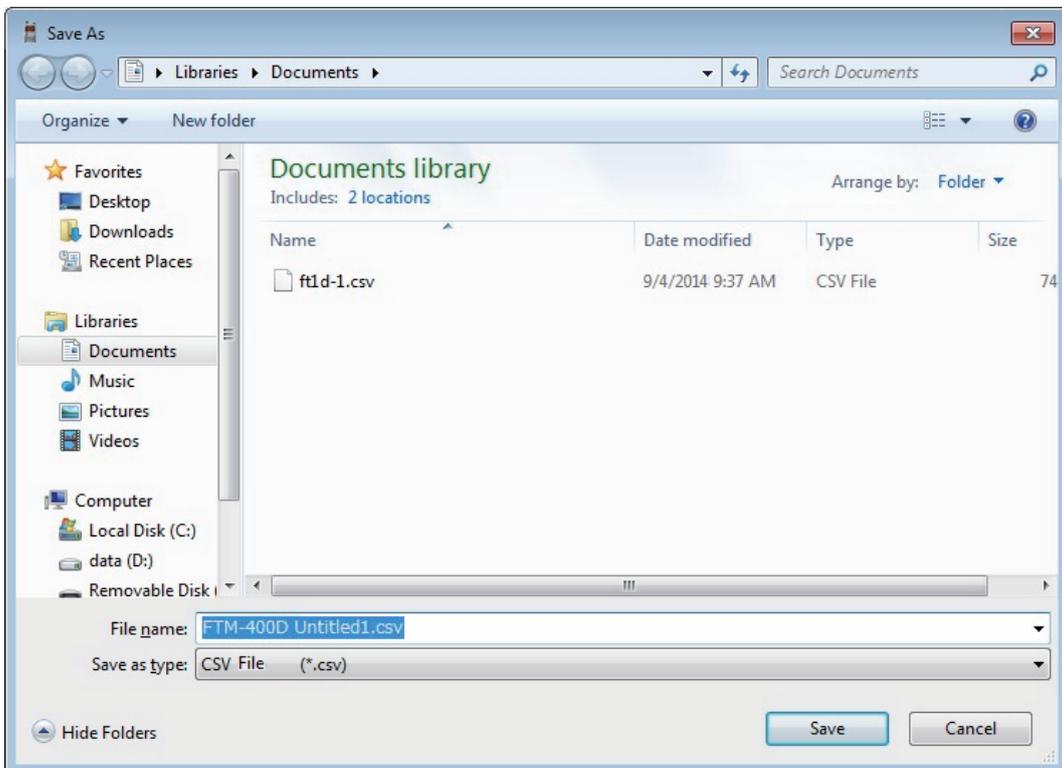
A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	145	145	0	OFF	FM	VHF Ham	OFF	88.5 Hz	23	1600 Hz	HIGH	OFF	20.0kHz
2	433	433	0	OFF	FM	UHF Ham	OFF	67.0 Hz	23	1600 Hz	HIGH	OFF	25.0kHz
3	118.1	118.1	0	OFF	AM	Air Band 0	OFF	67.0 Hz	23	1600 Hz	HIGH	OFF	25.0kHz
4	119.1	119.1	0	OFF	AM	Air Band 0	OFF	67.0 Hz	23	1600 Hz	HIGH	OFF	25.0kHz
5													
6													
7													
8													
9													
10													
11													
12													
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## Export / Export with FT1D format

Exports the data file in the “CSV” format.

Click the **[Export]** parameter in the **[File]** menu, a pop-up window will appear which displays all the current files saved to the specified path.

Type a file name in the bottom box, then click the **[OK]** box.

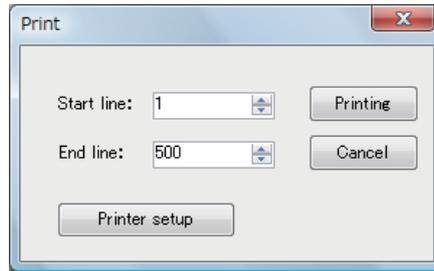


## Print

---

Print the current template file data to hard copy.

Click the **[Print]** parameter in the **[File]** menu, the “Print” window will open to enable printing. Set the start line and the end line of the data you want to print, then click the **[Print]** button to start printing.



To change the detailed printer settings, go to the Printer properties by clicking the **[Printer setup]** button.

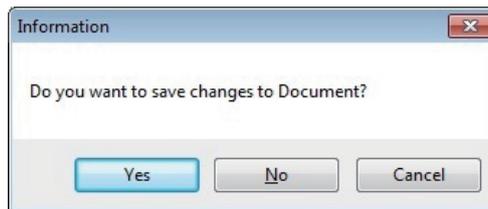
## Close

---

Exit ADMS-7 programmer.

Click the **[Close]** parameter in the **[File]** menu, the pop-up window will open.

Exit the ADMS-7 programmer according to the instructions on the window.



## Edit

---

### Undo

---

Undo the edited data.

Click the **[Undo]** parameter in the **[Edit]** menu to undo the edited data.

### Cut

---

Cut the data of the selected area.

Click the **[Cut]** parameter in the **[Edit]** menu to delete the data of the selected area.

### Copy

---

Copy the data of the selected area.

Click the **[Copy]** parameter in the **[Edit]** menu to copy the selected data to the clipboard.

### Paste

---

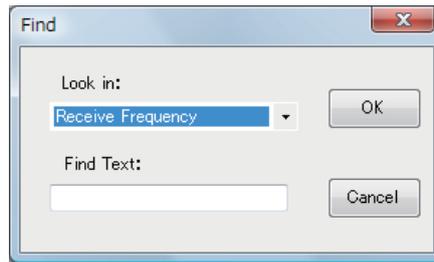
Paste the clipboard data to the selected area.

Click the **[Paste]** parameter in the **[Edit]** menu to paste the clipboard data to the selected area.

## Find

---

Find text or data.



Click the **[Find]** parameter in the **[Edit]** menu, the “**Find**” window will open. Enter the text or data you wish to find, and then click the **[OK]** button.

The cursor will move to the text or data in the template.

## Find Next

---

Find the next instance of the data.

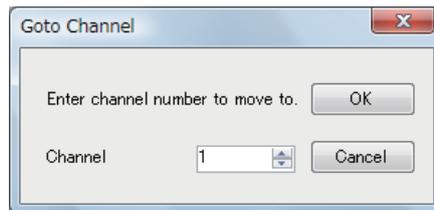
Click the **[Find Next]** parameter in the **[Edit]** menu, to move the cursor to the next instance of the data.

## Go to Channel

---

Move the cursor to the desired channel.

Click the **[Goto Channel]** parameter in the **[Edit]** menu, a pop-up window will open.



Enter the channel number you wish to find, and then click the **[OK]** button.

## Insert Channel

---

Insert the channel data.

Click the **[Insert Channel]** parameter in the **[Edit]** menu to create a blank new channel data row under a current cursor.

When channel “500” contains data, the confirmation message, “Upper memories will be lost. Continue?” will appear. If you agree, click the **[OK]** button.



## Delete Channel

---

Delete the current channel data.

Click the **[Delete Channel]** parameter in the **[Edit]** menu to delete the current channel data. The channels located below the current cursor move up one row.

## Clear Channel

---

Clear the current channel data.

Click the **[Clear Channel]** parameter in the **[Edit]** menu to clear the current channel data. The data will be cleared from the currently selected channel row.

## Move Up

---

Move the current channel data up one row.

Click the **[Move Up]** parameter in the **[Edit]** menu, the currently selected channel data moves upward one row.

## Move Down

---

Move the current channel data down one row.

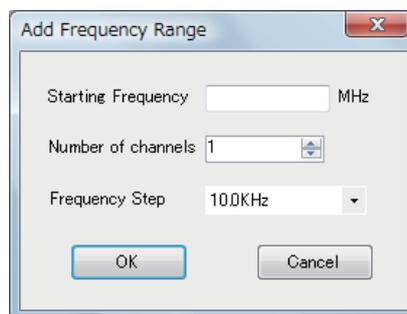
Click the **[Move Down]** parameter in the **[Edit]** menu, the currently selected channel data moves downward one row.

## Add Frequency Range

---

New channels may be created in designated frequency steps from the starting frequency.

Click the **[Add Frequency Range]** parameter in the **[Edit]** menu, the “Add Frequency List” window will open.



The image shows a dialog box titled "Add Frequency Range". It has a standard Windows-style title bar with a close button (X) in the top right corner. The dialog contains three input fields: "Starting Frequency" with a text box and "MHz" label to its right; "Number of channels" with a spin box containing the number "1"; and "Frequency Step" with a dropdown menu showing "100KHz". At the bottom of the dialog are two buttons: "OK" and "Cancel".

Starting Frequency: Enter the lower frequency

Number of Channel: Enter the number of channels

Frequency Step: Enter the desire frequency step

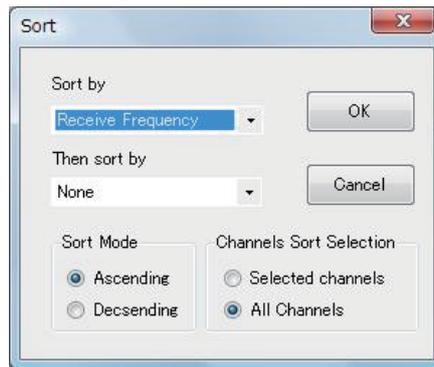
Click the **[OK]** button to create the frequencies according to the above instructions.

\*: 8.33 kHz step is available only when receiving on the Air band (108-136.99166 MHz).

## Sort

---

Click the **[Sort]** parameter in the **[Edit]** menu, the “Sort” window will open.



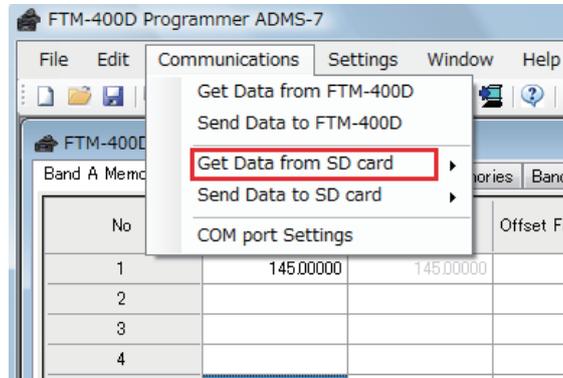
Sort by: Selects the first parameter of the sorting  
Then sort by: Selects the second parameter of the sorting  
Sort Mode: Selects the sorting order  
Channels Sort Selection: Selects the sorting range

Click the **[OK]** button to initiate the sorting according to the above instructions.  
The data may be restored to the previous order by using the “Undo” command.

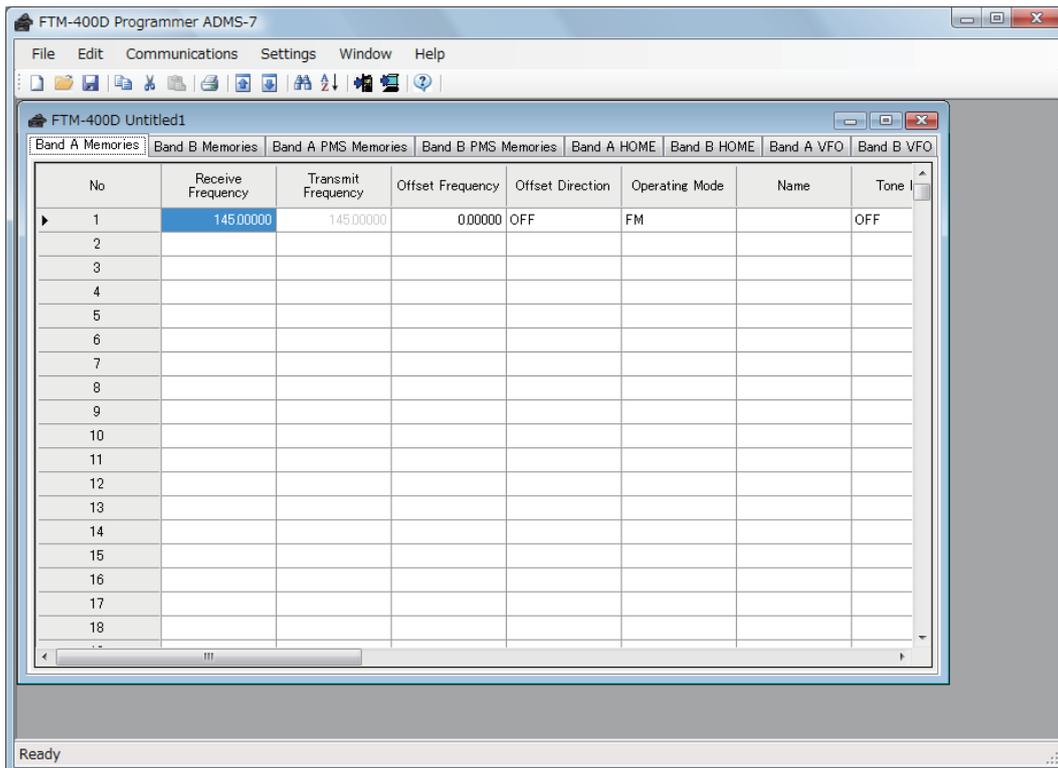
# Communications

## Get Data From SD Card

This command uploads the settings data from the SD Card to the ADMS-7 programmer. Click the **[Get Data from SD Card]** parameter in the **[Communication]** menu, The “Instructions” window will open.



Insert the SD Card with the saved data from FTM-400XDR/XDE/DR/DE to the computer. Upload the settings data from the FTM-400XDR/XDE/DR/DE to the ADMS-7 by following the instructions in the window. When the data transfer is finished, the template screen which was received from the FTM-400XDR/XDE/DR/DE will be displayed on the computer screen. This data may be edited using the computer.

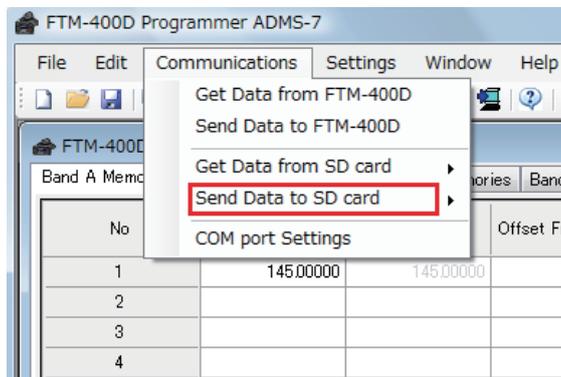


The template data may be stored to the computer files, using the “Save” or “Save as” commands.

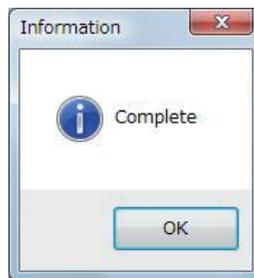
## Send Data to SD Card

---

Memories and settings from the ADMS-7 programmer may be transferred to the SD card. Select and open the desired data file that is to be loaded to the SD card. Click [**Send Data to SD card**] to open the data transmission procedure screen.



Load the SD card into the computer SD card slot. Follow the instructions on the screen to copy the data to the SD card. When the data file transfer to the SD card is complete, a notice “Complete” is displayed on the computer screen.



## Com Port Setup

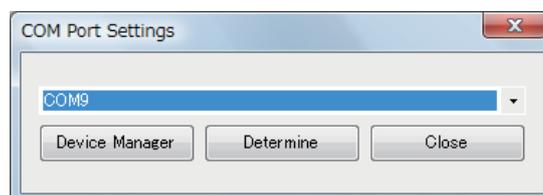
---



This procedure is not necessary when exchanging data using a micro SD card.

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1. From the menu bar, select “**Communications**” menu, and then click [**COM port Settings**].
2. Click [▼] in the “**Serial Port Selection**” column and click the COM port connected to the FTM-FTM-400XDR/XDE/DR/DE.



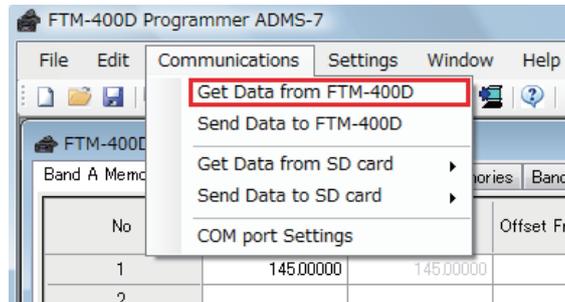
3. Click [**Determine**].

## Get Data from FTM-400D

This command transfers the settings data of the FTM-400XDR/XDE/DR/DE to the ADMS-7 programmer. Click the **[Get Data from FTM-400D]** parameter in the **[Communication]** menu, The “Instructions” window will open.

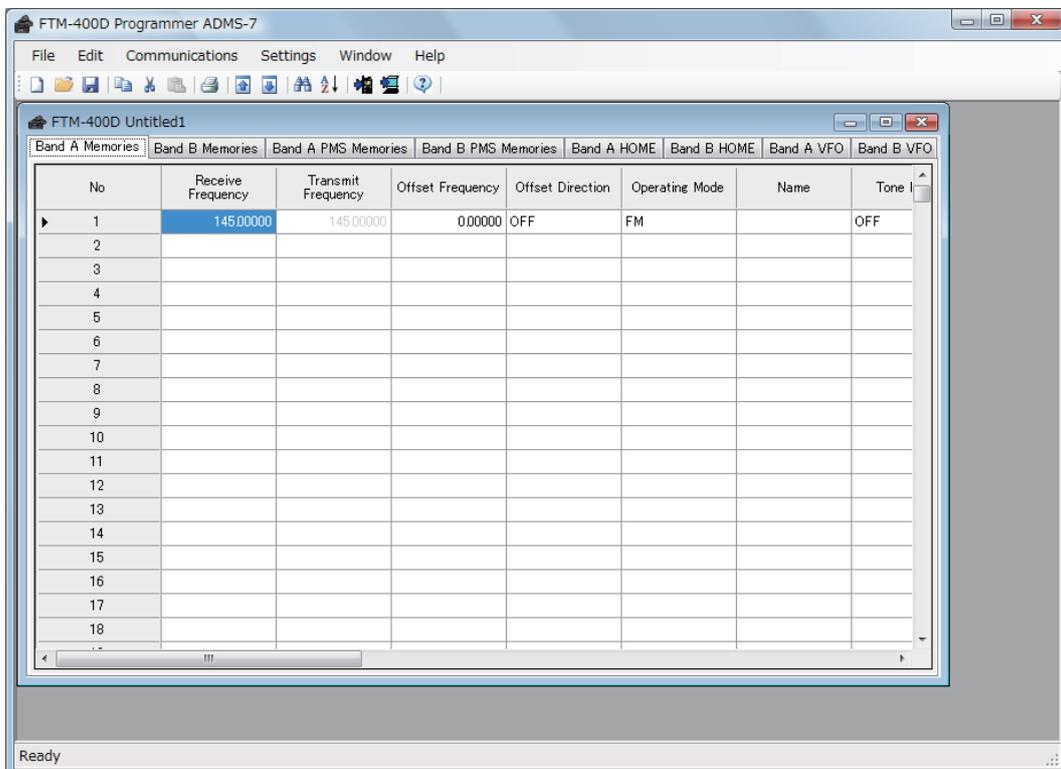
In order to use the ADMS-7 software to program an FTM-400XDR/XDE/DR/DE transceiver, first use the “Get Data” command to upload the configuration settings and data from the FTM-400XDR/XDE/DR/DE to the ADMS-7 programmer.

Click the **[Get Data from FTM-400D]** parameter in the **[Communication]** menu, The “Instructions” window will open.



Connect the supplied SCU-56/SCU-20 programming cable between the FTM-400XDR/XDE/DR/DE and the PC.

Upload the configuration settings and data from the FTM-400XDR/XDE/DR/DE to the ADMS-7 programmer according to the instructions in the window. When the data transfer is completed, the template screen received from the FTM-400XDR/XDE/DR/DE appears on the computer display. The memory channels and configuration menu data may be edited using the ADMS-7 software tools.



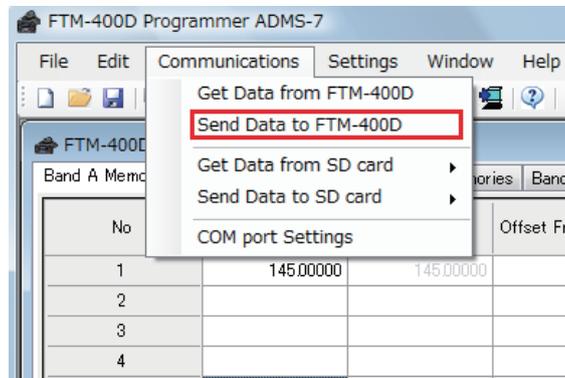
This template and configuration data may be saved to the computer disk drive, using the “Save” or “Save as” commands.

## Send Data to FTM-400D

---

**Note:** First, use the “Get Data from FTM-400D” command to upload the setting data of the FTM-400D to the ADMS-7 programmer.

This command downloads the ADMS-7 data from the computer to the FTM-400XDR/XDE/DR/DE. Recall the previously-saved data using the “Open” command, and then Click the [**Send Data to FTM-400D**] parameter in the [**Communication**] menu. The “Instructions” window will open.



Connect the supplied SCU-56/SCU-20 programming cable between the FTM-400XDR/XDE/DR/DE and the computer.

Download the ADMS-7 data from the computer to the FTM-400XDR/XDE/DR/DE according to the instructions in the window.

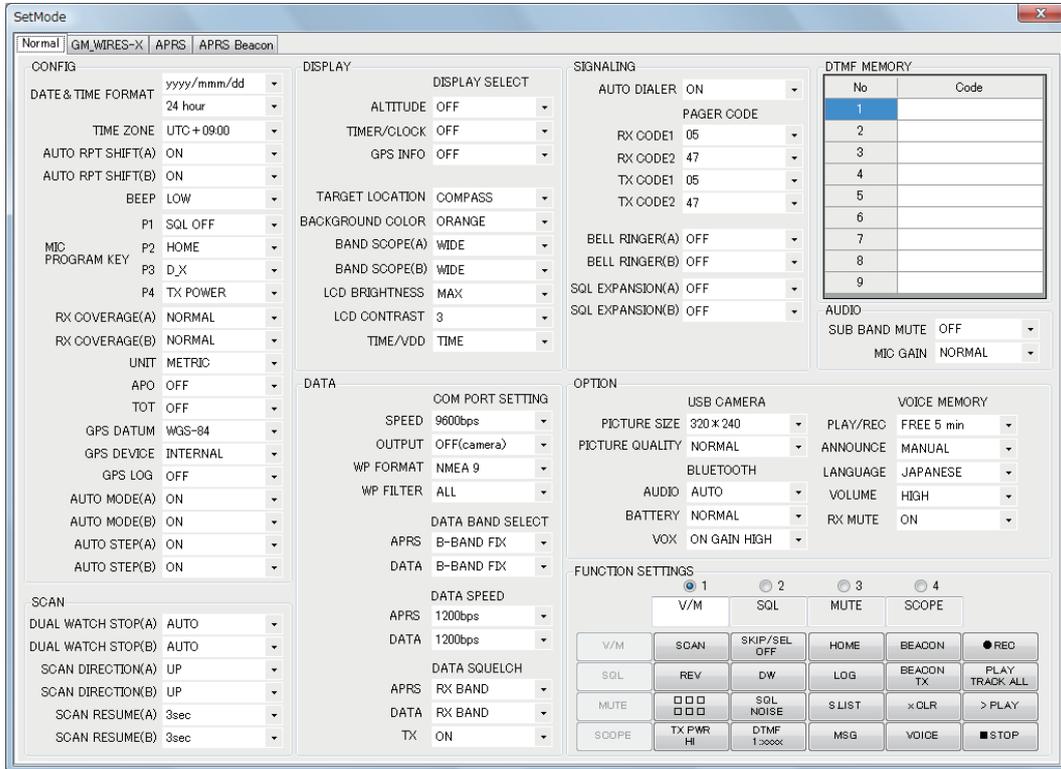
\* Never disconnect the programming cable while data transmission is in progress.

# Settings

This page permits editing and storing the various common menu settings.

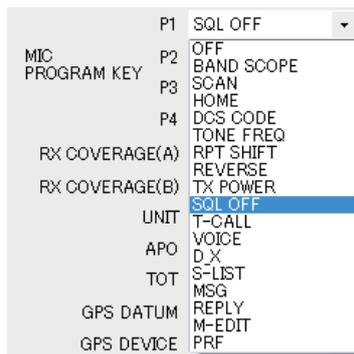
Click the [Radio Menu Setting] parameter in the [Setting] menu to open the “Menu Setting” window. This window has four pages; Common, GM WIRES-X, APRS, APRS Beacon.

## Common



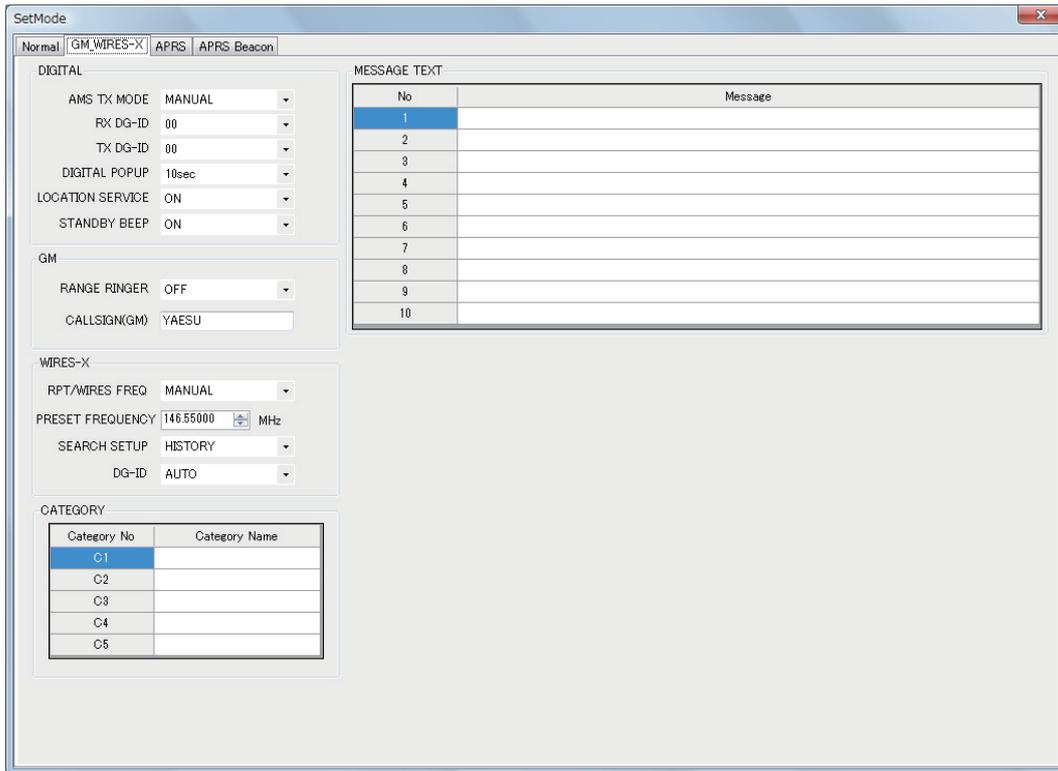
To change the setting of each item in the window, Click the [▼] icon to show the dropdown settings list, and then click the desired selection in the list. Enter the DTMF MEMORY Codes by placing the cursor in the appropriate box and typing the desired data.

Example:



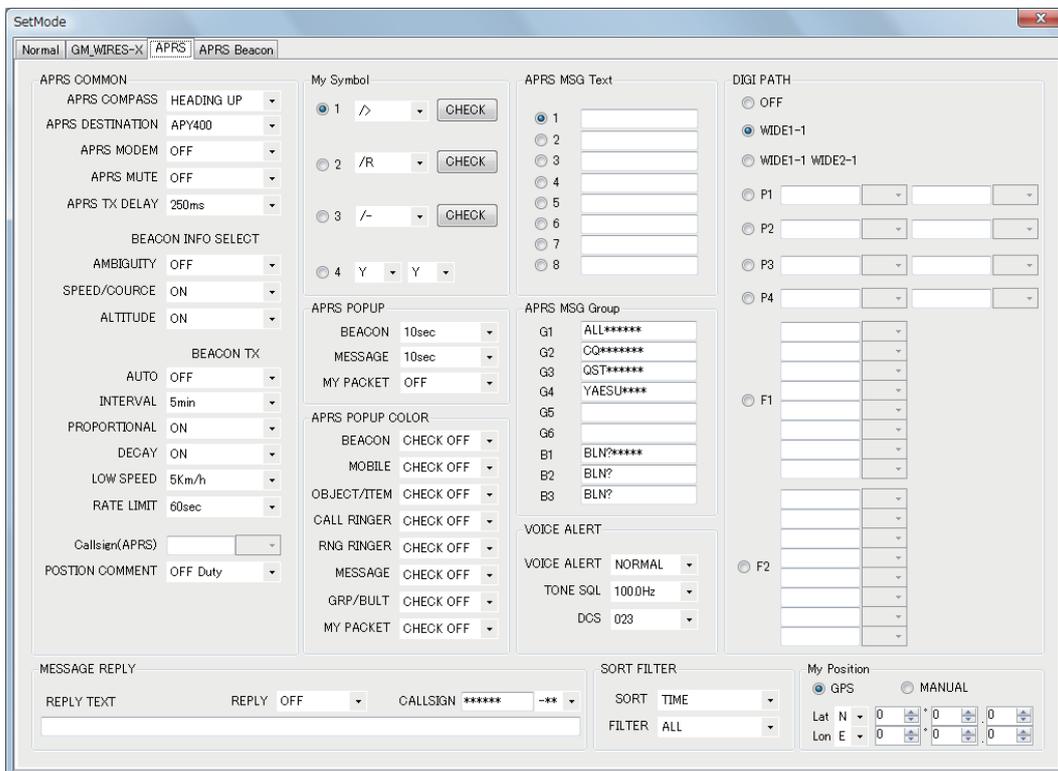
Refer to the FTM-400XDR/XDE/DR/DE operating manual for the details of each function.

# GM WIRES-X



To change the setting of each item in the window, Click the [▼] icon to show the dropdown settings list, and then click the desired selection from the list. Enter the “CATEGORY” and “MESSAGE TEXT” information by placing the cursor in the appropriate box and typing the desired data. Refer to the FTM-400XDR/XDE/DR/DE operating manual for the details of each function.

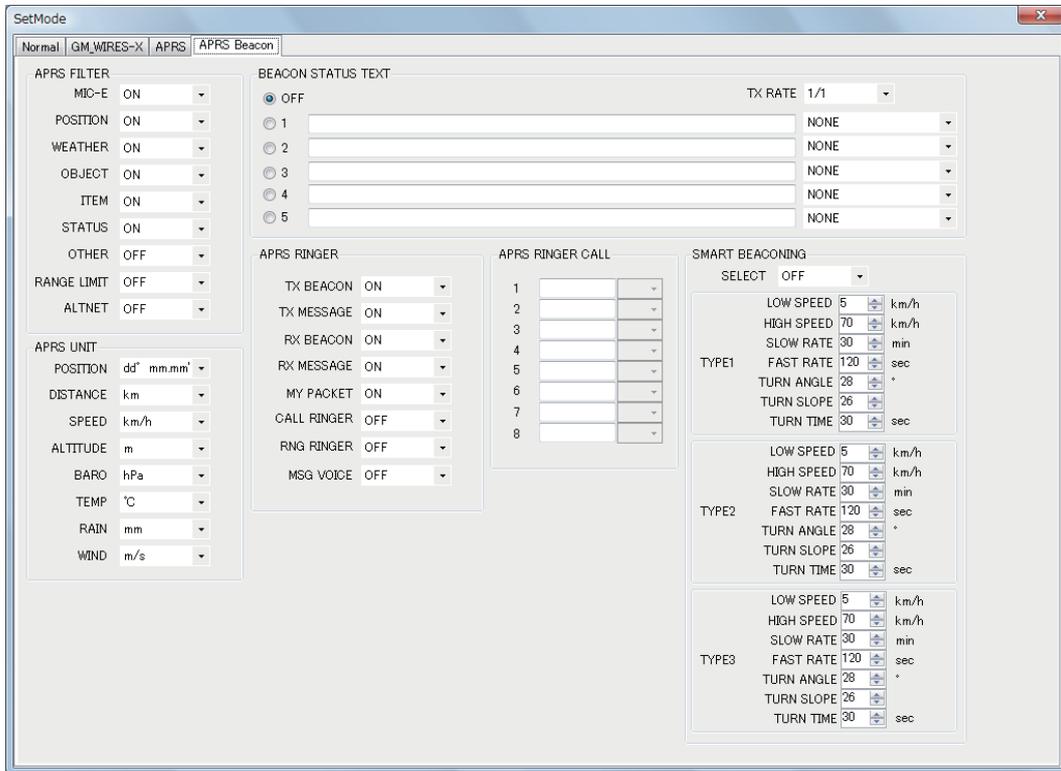
# APRS



To change the setting of each item in the window, Click the [▼] icon to show the dropdown settings list, and then click the desired selection from the list. Enter the APRS MSG information by placing the cursor in the appropriate box and typing the desired data.

Refer to the FTM-400XDR/XDE/DR/DE operating manual for the details of each function.

## APRS Beacon



To change the setting of each item in the window, Click the [▼] icon to show the dropdown settings list, and then click the desired selection from the list. Enter the BEACON STATUS TEXT by placing the cursor in the appropriate box and typing the desired data.

### • MEMORY

When you have completed editing the settings of the Menu Setting window, Click the [X] icon at the upper right corner of the window. A confirmation window will open, click the [OK] button to save the settings and close the window.

Refer to the FTM-400XDR/XDE/DR/DE operating manual for the details of each function.

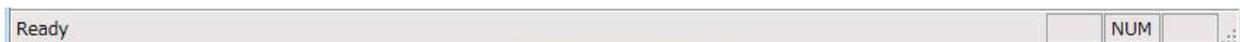
### • Tool Bar

Click the [Toolbar] parameter in the [Setting] menu to display or hide the Toolbar, which includes buttons for some of the most common commands in the ADMS-7 programmer. A check mark appears next to the “Toolbar” parameter when the Toolbar is displayed.



### • Status Bar

Click the [Status Bar] parameter in the [Setting] menu to display or hide the Status Bar, which describes the action to be executed by the selected menu item or depressed toolbar button, and keyboard latch state. A check mark appears next to the “Status Bar” parameter when the Status Bar is displayed.



# Setting the Template Items

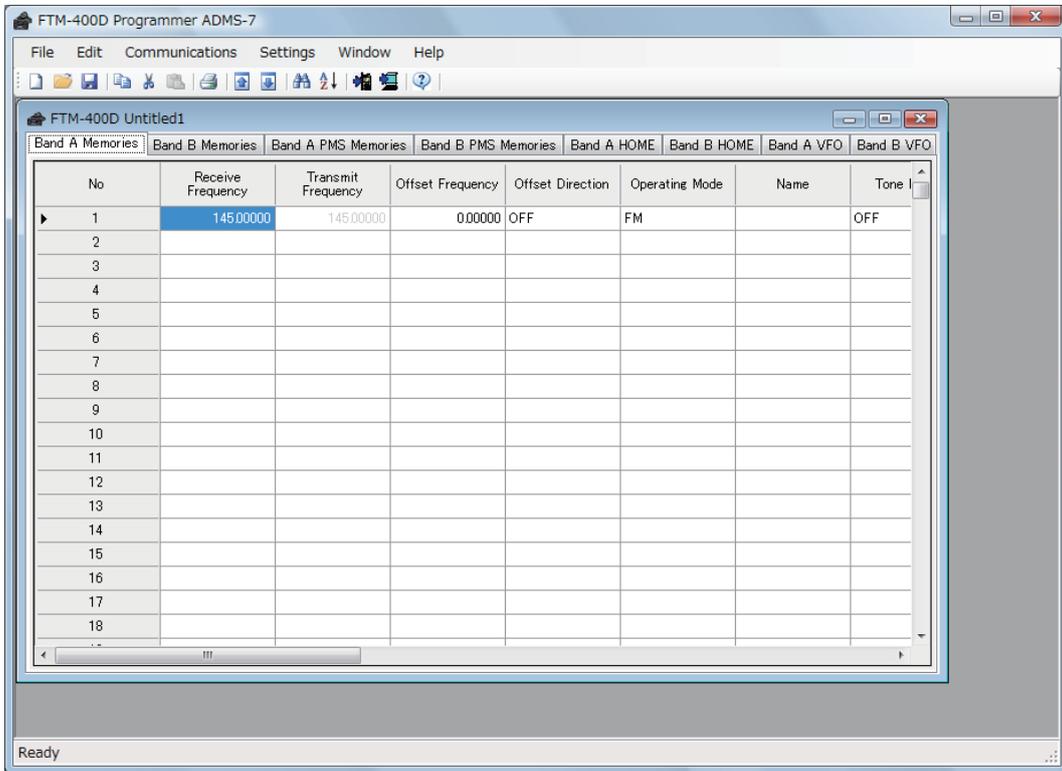
## Memories

Band A Memories / Band B Memories / Band A PMS Memories / Band B PMS Memories

### • Band A / Band B Memories

Use this page to edit the memory channel data.

There are 500 memory channels available for each band.

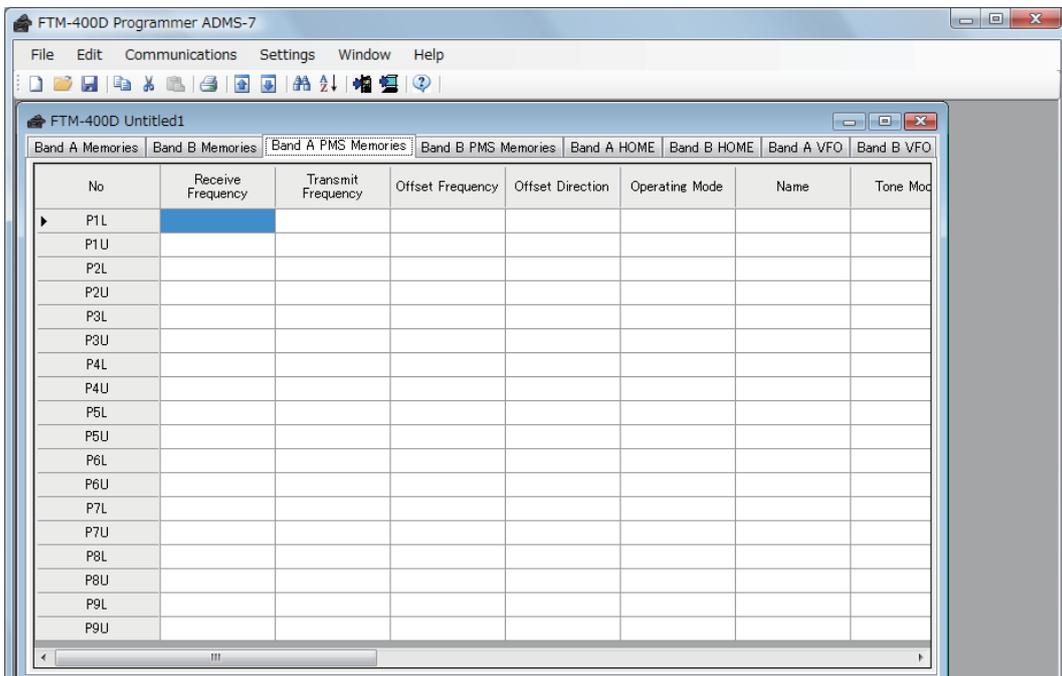


### • Band A / Band B PMS Memories

Use this page to edit the PMS (Programmable Memory Scan) memory channels.

There are 18 PMS memory channels available to provide 9 pairs with upper and lower channels.

Store the lower band limit into the “L” channel, and store the upper band limit into the “U” channel.



## About the setting items of each memory channels

### • Frequency

Enter the TX / RX frequency.

When entering a receive frequency, press the computer's [ENT] key to complete the various settings for this frequency, or press the [ ↓ ] key to move the cursor to the next channel frequency entry.

### • Offset Frequency

This item sets the offset frequency for the repeater.

### • Offset Direction

This item selects the offset direction for the repeater.

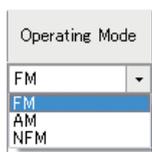
### • MODE

This item selects the operating mode.

When entering a receive frequency, this item automatically selects the operating mode that is most suitable for the frequency.

If the AM broadcast frequency is entered, the ADMS-7 programmer selects the broadcast band receiver, and the operating mode is set to AM automatically.

If the FM broadcast frequency is entered, the ADMS-7 programmer selects the broadcast band receiver, and the operating mode is set to FM automatically.



FM: FM mode, radio band. Use this mode for receiving the amateur radio, commercial radio etc.

AM: AM mode, radio band. Use this mode for receiving the Air band radio, etc.

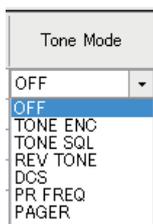
NFM: Narrow FM mode, radio band. Use this mode for narrow receiving the amateur radio, commercial radio etc.

### • Name

Enter the desired memory channel name (up to 8 digits).

### • Tone Mode

This item selects the Audio Squelch type.



### • CTCSS

This item selects the Tone Frequency of the Tone Squelch.

### • DCS

This item selects the DCS code of the DCS Squelch.

### • User CTCSS

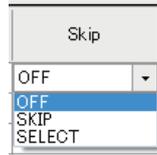
This item selects the Tone Frequency of the User Programmed Reverse Tone Squelch.

### • TX Power

This item selects the TX Power.

## • Skip

This item selects the Memory Scan channel-selection mode.



OFF: All memory channels will be scanned.

SKIP: The scanner will “skip” the flagged channels during scanning.

ONLY: The scanner will only scan channels that are flagged.

## • STEP

This item sets the frequency step.

When a receive frequency is entered, the step that is most suitable for the frequency is automatically selected.

## • Clock Shift

Place a check mark to this item to shift the CPU clock frequency to move a spurious “birdie”.

Usually, this item is set to “OFF”.

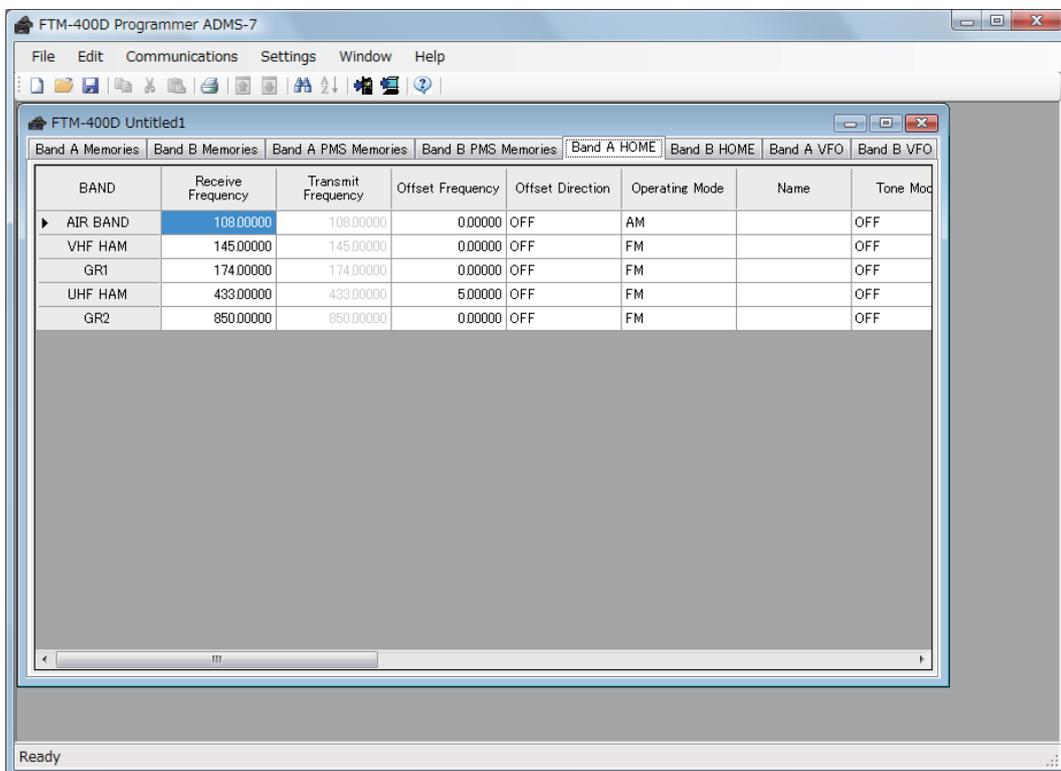
## • Comments

A comment may be appended (up to 255 characters) for additional reference.

## HOME Channel

Edit the Home Channel configurations for each band on this page template.

## Band A / Band B HOME

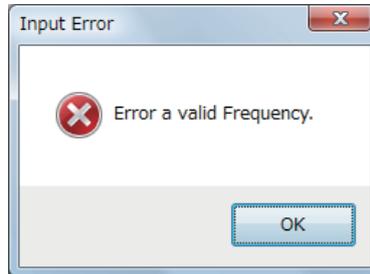


## • Frequency

Enter any desired changes into each Home Channel frequency. The FTM-400XDR/XDE/DR/DE default Frequencies are pre-entered into the ADMS-7 standard template.

A frequency which is out of range cannot be entered.

When the error pop-up window is opened, enter the correct frequency.



## • Offset Frequency

This item sets the repeater offset frequency.

## • Offset Direction

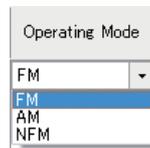
This item selects the repeater offset direction.

## • MODE

This item selects the operating mode.

When the receive frequency is entered, this item is automatically set to the operating mode that is most suitable for the frequency.

The operating mode may be changed manually, if desired.



FM: FM mode, radio band. Use this mode for receiving the amateur radio, commercial radio etc.

AM: AM mode, radio band. Use this mode for receiving the Air band radio, etc.

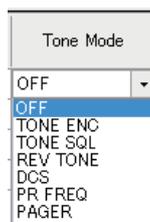
NFM: Narrow FM mode, radio band. Use this mode for receiving the narrow band amateur and commercial radio etc.

## • Name

Enter the desired memory channel name (up to 8 digits).

## • Tone Mode

This item selects the Audio Squelch type.



## • CTCSS Frequency

Select the Tone Frequency of the TSQ mode.

## • DCS

Select the DCS code of the DCS mode.

- **User CTCSS**

Select the Tone Frequency of the User Programmed Reverse Tone Squelch. The User Programmed Reverse Tone Squelch mutes the receiver when a signal containing a CTCSS tone that matches the pre-programmed Tone Frequency is received.

- **TX Power**

This item selects the TX Power.

- **Step**

This item sets the frequency step. When a receive frequency is entered, the step that is most suitable for the frequency is automatically selected.

- **Clock Shift**

Place a check mark to this item to shift the CPU clock frequency to move a spurious “birdie”. Usually, this item is set to “OFF”.

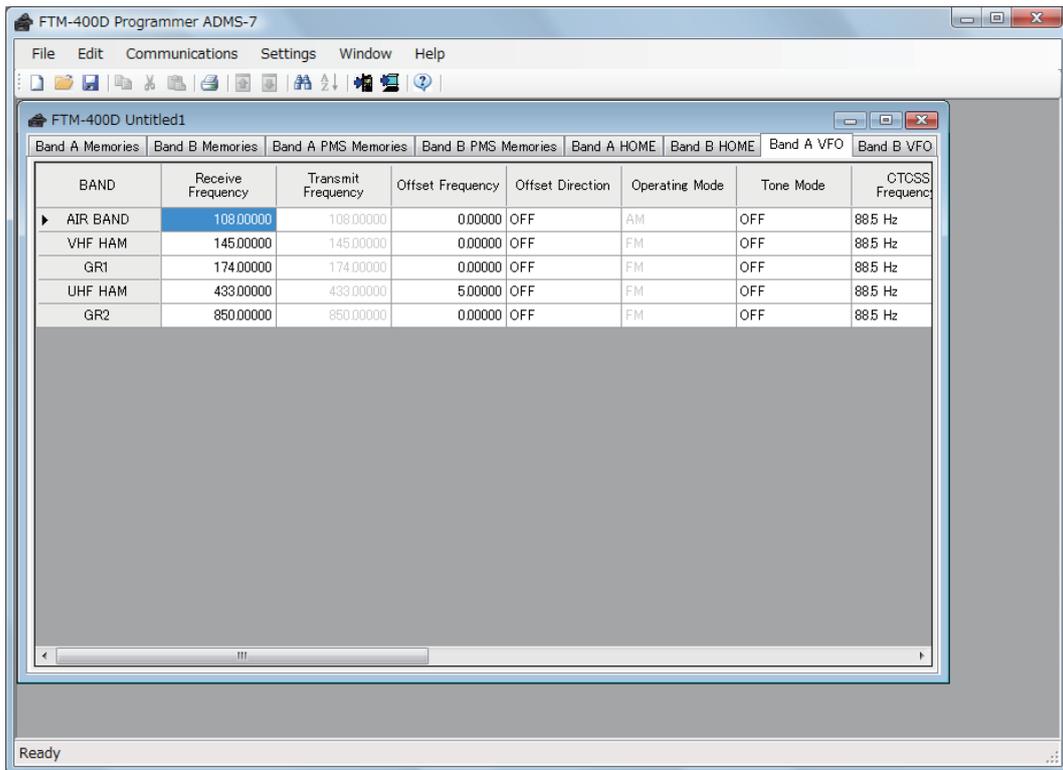
- **Comments**

A comment may be appended (up to 255 characters) for additional reference.

## VFO

Edit the VFO configurations for each band on this page template.

### Band A / Band B VFO

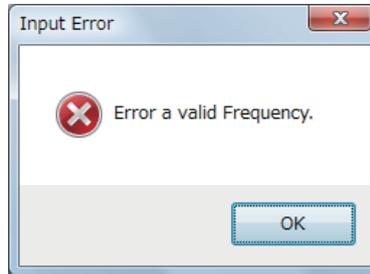


## • Frequency

Enter the Band A VFO frequencies (upper section) and Band B VFO frequencies (lower section) for each band. The FTM-400XDR/XDE/DR/DE, Band A and Band B VFO default frequencies are set in the standard templates of the ADMS-7 programmer.

A frequency which is out of range cannot be entered.

When the error pop-up window is opened, enter the correct frequency.



## • Offset Frequency

This item sets the repeater transmit offset frequency.

## • Offset Direction

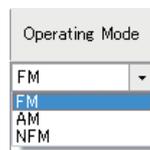
This item selects the repeater transmit frequency offset direction.

## • MODE

This item selects the operating mode.

When the receive frequency is entered, this item is automatically set to the operating mode that is most suitable for the frequency.

The operating mode may be changed manually, if desired.



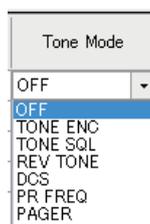
FM: FM mode, radio band. Use this mode for receiving the amateur radio, commercial radio etc.

AM: AM mode, radio band. Use this mode for receiving the Air band radio, etc.

NFM: Narrow FM mode, radio band. Use this mode for narrow receiving the amateur radio, commercial radio etc.

## • Tone Mode

Select the Audio Squelch type.



The Audio Squelch type cannot be set on the FM Broadcast or AM Broadcast bands.

## • CTCSS Frequency

Selects the Tone Frequency of the TSQ mode.

The CTCSS frequency cannot be set on the FM Broadcast or AM Broadcast bands.

- **DCS**

Selects the DCS code of the DCS mode.

The DCS code cannot be set on the FM Broadcast or AM Broadcast bands.

- **User CTCSS**

Select the Tone Frequency of the User Programmed Reverse Tone Squelch.

The User Programmed Reverse Tone Squelch mutes the receiver when it receives a signal containing a tone matching the previously programmed Reverse Tone Squelch.

- **TX Power**

This item selects the TX Power.

- **Step**

This item sets the frequency step.

When a receive frequency is entered, the step that is most suitable for the frequency is automatically selected.

- **Clock Shift**

Place a check mark in this item to shift the CPU clock frequency to move a spurious "birdie".

Usually, this item is set to "OFF".

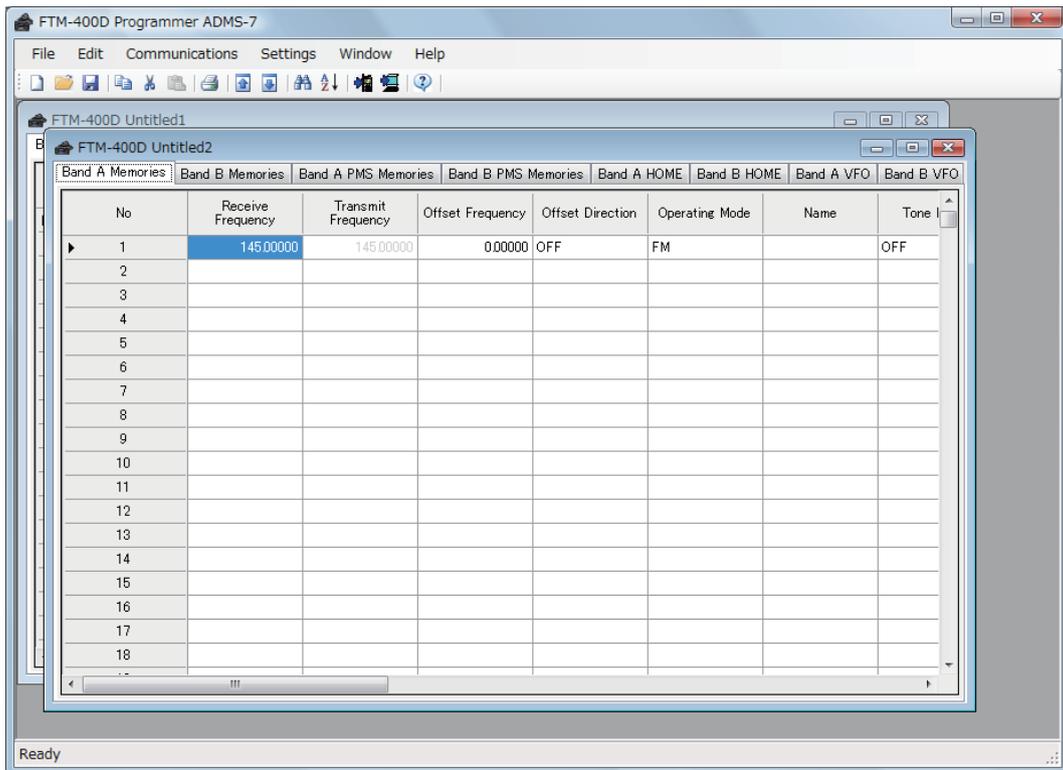
- **Comments**

A comment may be appended (up to 255 characters) for additional reference.

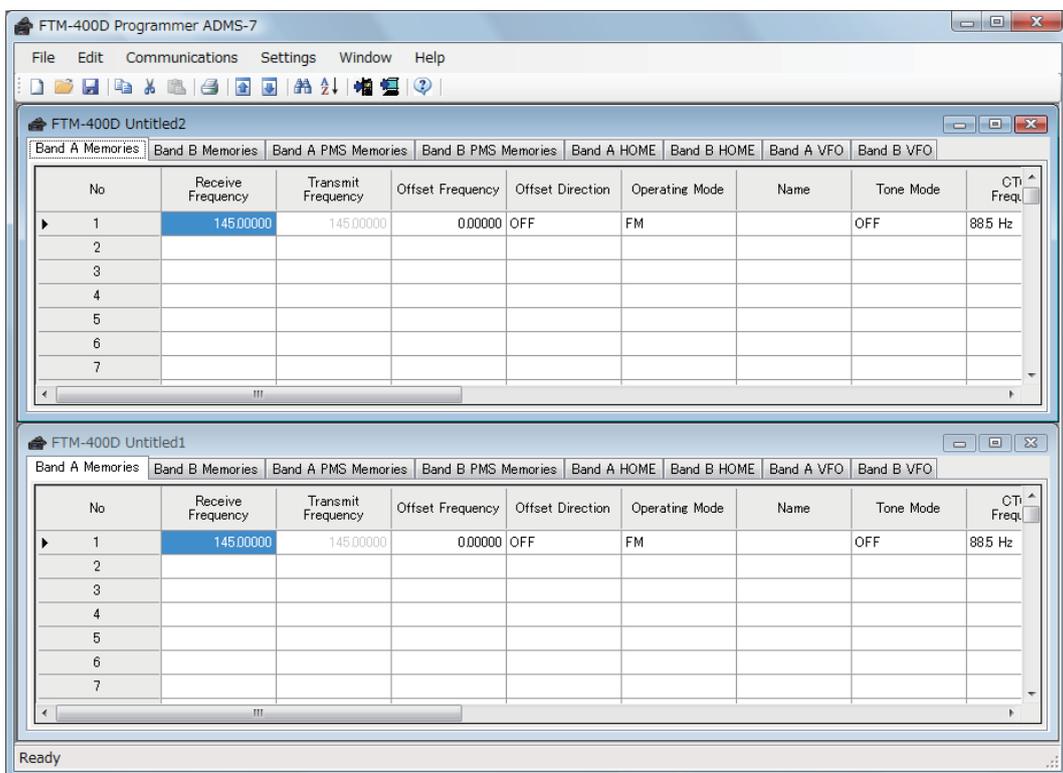
# Window

This menu sets the operating window of the ADMS-7.

Click the **[Cascade]** parameter in the **[Window]** menu to display multiple templates in cascade format.



Click the **[Tile]** parameter in the **[Window]** menu to display multiple templates in tile format.



## Troubleshooting

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- **The FTM-400XDR/XDE/DR/DE cannot receive or transmit data to the computer.**
- **The Data transfer does not start.**
  - Verify that the programming cable is correctly connected to the FTM-400XDR/XDE/DR/DE data port and to the Computer.
  - Does the power cable of FTM-400XDR/XDE/DR/DE connect correctly? Connect the power cable correctly.
  - Is the computer COM Port setting correct? Set the COM Port correctly.
- **The data transmission has stopped before completion.**
  - Disconnecting the connection cable or poor contact of the connection cable. Confirm the cable connection and try again.
  - Is the 13.8 V DC Supply voltage low? Check the Power supply, wiring, fuses and connections.
- **The data import/export is not successful.**
  - Adjust the number of the rows of CSV file.
  - Use the designated letter for the character string
  - Adjust the template files.
  - \* Use the period ( . ) for the frequency data.



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