

The RPS-UV8000D Programmer is designed to give you the ease and convenience of programming the memories and set menu options of your radio from your PC.

Memory Channels Include:

- 128 Memory Channels
- 2 VFO Channels

Other Menu Item Categories Include:

- Common
- DTMF

The Programmer Is for so Much More than Just Memory Management.

With the RPS-UV8000D Programmer you can begin a new “factory fresh” file into which frequencies and option settings are entered. Or, you can read from the radio, store these details on your computer and make changes. Then, with minimal button pushing, send the new configuration back to the radio.

The Programmer allows you to create and save as many files as you want for your radio. Files can even be shared between users via email or the Internet.

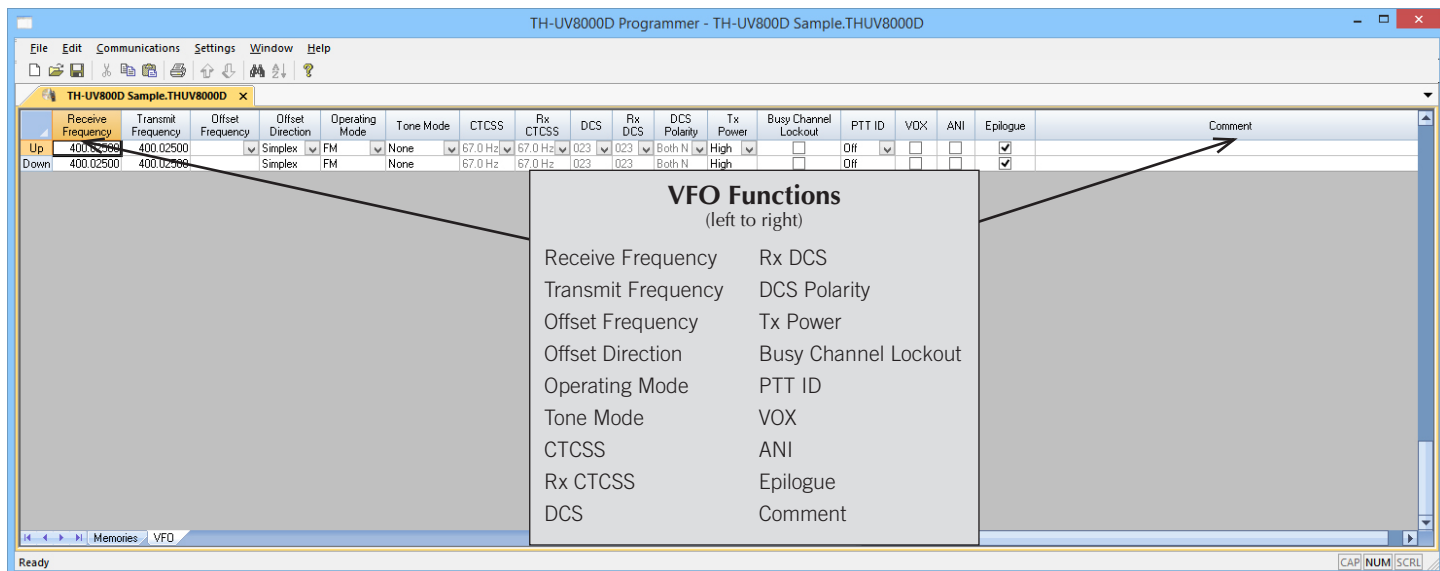
Managing all the options of this radio becomes easy with the Programmer. The cut, copy, paste and insert features of the Programmer make channel management easier than ever.

Open more than one file at a time. Memory channel information can be copied from one file to another within the Programmer making it really easy to set up a new file.

Hardware Requirements:

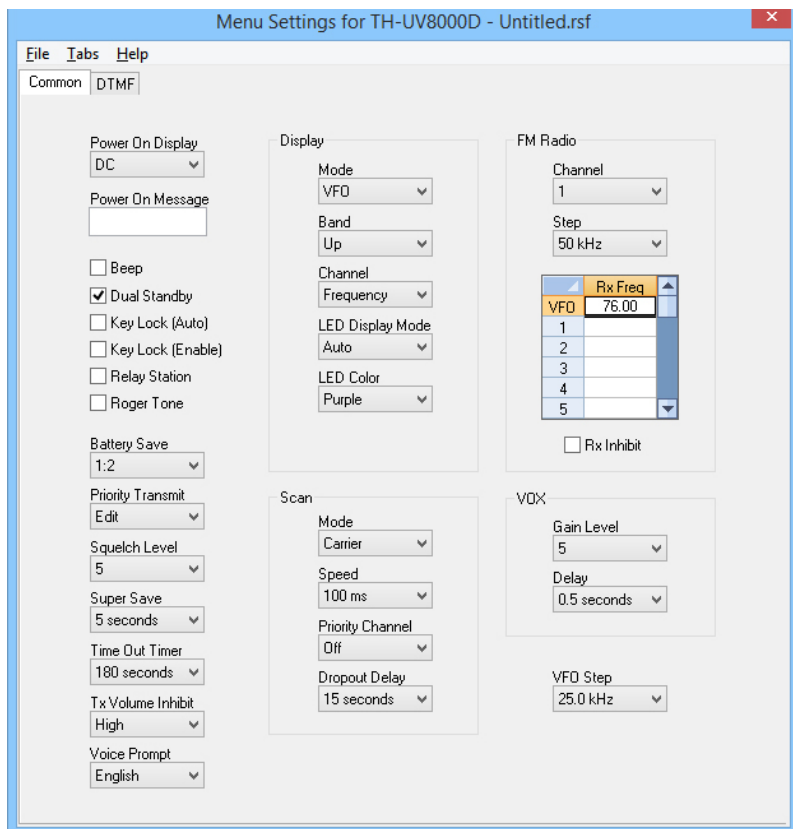
A PC running A PC running XP SP3 (32 or 64 bit), Windows 7 or 8 or 8.1 (32 or 64 bit), Windows 8 or 8.1 (full version) or Windows 10. Local USB port and RT Systems USB-K4Y interface cable (6' cable length). The cable connects the radio to the computer from the USB port on the computer to the Speaker/Mic jack on the radio. Internet connection for update at end of software installation.





VFO

The program makes available the same VFOs as in the radio (usually one per band). Remember these are not real memory channels since the details are lost as soon as you tune the radio manually. There is no one button recall for these. You do not need to program into VFO before programming details into a memory channel. These channels are preprogrammed in the radio and while the frequency can be changed to another within the band, they cannot be left blank.



Menu Settings for TH-UV8000D - Untitled.rsf

File Tabs Help

Common DTMF

Power On Display: DC

Power On Message:

☐ Beep

☒ Dual Standby

☐ Key Lock (Auto)

☐ Key Lock (Enable)

☐ Relay Station

☐ Roger Tone

Battery Save: 1:2

Priority Transmit: Edit

Squelch Level: 5

Super Save: 5 seconds

Time Out Timer: 180 seconds

Tx Volume Inhibit: High

Voice Prompt: English

Display

Mode: VFO

Band: Up

Channel: Frequency

LED Display Mode: Auto

LED Color: Purple

FM Radio

Channel: 1

Step: 50 kHz

	Rx Freq
VFO	76.00
1	
2	
3	
4	
5	

☐ Rx Inhibit

Scan

Mode: Carrier

Speed: 100 ms

Priority Channel: Off

Dropout Delay: 15 seconds

Vox

Gain Level: 5

Delay: 0.5 seconds

VFO Step: 25.0 kHz

Common

Use this screen to customize other set menu features of the radio. Check boxes toggle features on or off, drop down menus list all selections and blank boxes for personalized entry add to the ease of setting up your radio exactly like you want it.

The entries on the Settings screens are made for you to "Set and Forget". Once settings are customized, you are prompted to save before exiting. The saved settings will be there every time you create a new frequency file.



Menu Settings for TH-UV8000D - Untitled.rsf

File Tabs Help

Common DTMF

Encode

Speed: 5 digits/s

Code Space Time: 2000 ms

* And # Tone: 500 ms

1st Digit Time: 200 ms

1st Digit Delay: 400 ms

☒ Code [A,B,C,D]

☒ Side Tone

PTT ID

BOT:

EOT:

Decode

ID Code: 000

☐ ID Edit

☒ Tx Decode

Auto Reset Time: 10 seconds

Group Code: Off

Time Out: 1000 ms

DTMF

Enter DTMF memory details and customize options for this function of the radio.

The screenshot shows the 'Preferences' dialog box with the 'Grid Display' tab selected. The 'Freeze' dropdown is set to '1'. The 'Alternate row' section shows a table with rows 1 to 4 and a column 'A'. The 'Mark the columns to hide' section shows a table with columns and a 'Hide' checkbox for each. The 'Language' dropdown is set to 'English'. The 'OK', 'Cancel', and 'Apply' buttons are at the bottom.

Column	Hide
Transmit Frequency	<input type="checkbox"/>
Offset Frequency	<input type="checkbox"/>
Offset Direction	<input type="checkbox"/>
Name	<input type="checkbox"/>
Tone Mode	<input type="checkbox"/>
CTCSS	<input type="checkbox"/>
Rx CTCSS	<input type="checkbox"/>
DCS	<input type="checkbox"/>
Tx Power	<input type="checkbox"/>
Busy Channel Lockout	<input type="checkbox"/>
Skip	<input type="checkbox"/>
Clock Shift	<input type="checkbox"/>
Battery Save	<input type="checkbox"/>
Comment	<input type="checkbox"/>

Grid Display

- RT Systems now available in English, French, German, Italian, Spanish, Portuguese and Japanese.
- Set colors for text (Fore) or background (Back) of alternate rows for easier viewing across the columns.
- Freeze columns to keep information on the screen as you scroll to the right of the page.
- Hide columns you don't use. Customize your print-out: hidden columns do not print.
- Use Combo for Check boxes – changes the grid to eliminate check box selections that are disabled on some systems.

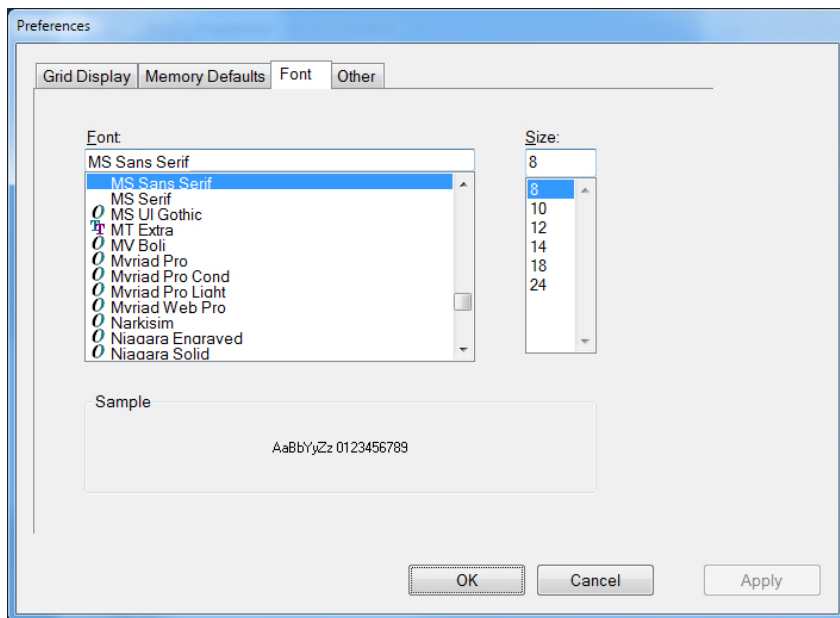
The screenshot shows the 'Preferences' dialog box with the 'Memory Defaults' tab selected. The 'Open last file when starting programmer' checkbox is checked. The 'Check ShowName Automatically' checkbox is checked. The 'Convert Split offsets to standard Plus or Minus when available' checkbox is checked. The 'Disable CTCSS, DCS and other Tone columns according to the Tone Mode selection' checkbox is checked. The 'Offset Frequency Defaults' section shows a table with frequency ranges and their corresponding offset values. The 'Add and Remove Offsets' section shows a table with a list of offsets and a 'Remove' button. The 'OK', 'Cancel', and 'Apply' buttons are at the bottom.

Offset Frequency Defaults	
HF	100 kHz
6m	500 kHz
2m	600 kHz
1.25m	1.60 MHz
70cm	5.00 MHz

Offset	
1	100 kHz
2	500 kHz
3	600 kHz
4	1.00 MHz

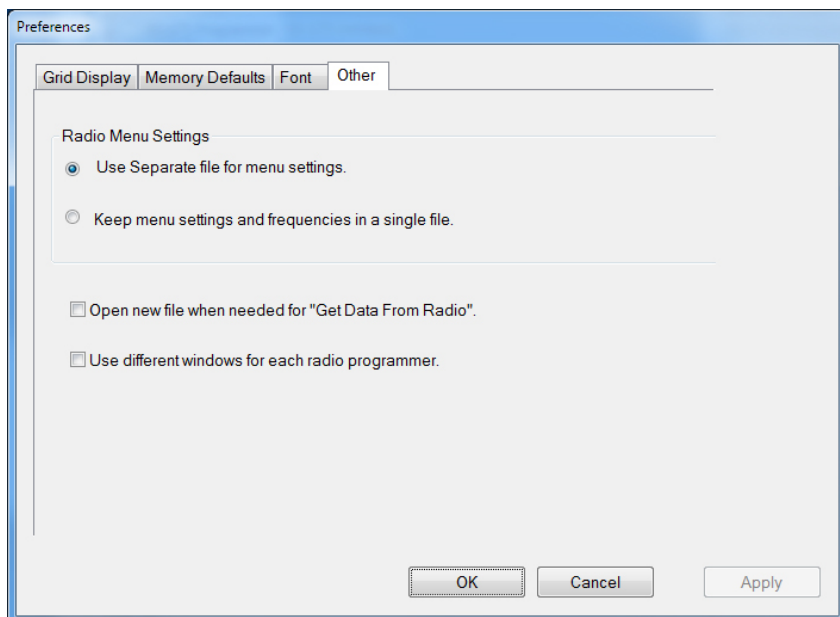
Memory Defaults

- Set options to control auto fill information for memory channel entries.



Font

- Set options to control the font in the column headers of the channel entry screens. Select any font and font size available on your computer.



Other

- Set options to control how the programmer handles the global Radio Menu Settings file.
 - Separate (default) handles the global settings of the radio in a “set and forget” fashion. Once you set these up and save the file you won’t have to reset them for a new frequency file.
 - “Single file” gives you the ability to create files that are complete with frequencies and customized global settings. In this mode, each file begins with factory defaults for every option of the radio.
- Check “Get data from Radio” new file option to prevent data loss when you read from your radio into the programmer.
- Check “different window” option to make the programmer for a different radio run in completely separate window rather than in a separate tab of the same window.

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