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ADMS-2K Programming Software for the Yaesu FT-7800

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24	FT-7800 Unt	itled1 * 🗙																		
	Receive Frequency	Transmit Frequency	Offset Frequency	Offset Direction	Operating Mode	Name	Show Name	Tone Mode	CTCSS	DCS	Step	Clock Shift	Tx Power	Tx Narrow	Skip	Skip HM 2	Skip HM 3	Skip HM 4	Skip HM 5	Bank 1
	144.80000	144.00000	-	Simplex 💌		-			• 100.0 Hz 🖵				High 💌		Off 🖵	Off 🖵		Off 🖵	Off 🖵	
2	144.01250	144.01250		Simplex	FM			None _	1100.0.U-	000	E LUL		Link		Off	Off	Off	Off	011	
÷	144.02500	144.02500		Simplex	FM			None	Mom	orv	Chan	nol F	unctio	ne	Off	Off	9//	Off	Off	
Ļ									wich	ioi y			uncuc	/115	\sim					
i	430.01250	430.01250		Simplex	FM			None			(left to	right)				Off	Off	Off	Off	
;	430.02500	430.02500		Simplex	FM			None	Receive	Frequ	iency	DC	S			Off	Off	Off	Off	
'	430.03750	430.03750		Simplex	FM			None			,					Off	Off	Off	Off	
}	430.05000	430.05000		Simplex	FM	_		None	Transmit	: Freq	luency	Ste	ер			Off	Off	Off	Off	
1	430.06250	430.06250		Simplex	FM			None	Offeet Er			CL	ock Shif	L		Off	Off	Off	Off	
D	430.07500	430.07500		Simplex	FM			None	Offset Fr	eque	псу	CIC	OCK SHIII	L	Off	Off	Off	Off	Off	
1	430.08750	430.08750			FM			None	Offset Di	rectio	n	Тx	Power			Off	Off	Off	Off	
2	430.10000	430.10000			FM			None								Off	Off	Off	Off	
3	430.11250	430.11250		Simplex	FM	-		None	Operatin	g Mo	de	Тx	Narrow		Off	Off	Off	Off	Off	
4			N	1emory	Type				Name			Sk	in							
5	850.00000	850.00000		(left to	right)	· –		None	Name			SK	ιþ			Off	Off	Off	Off	
6	850.01250	850.01250		(left to i	igitt)			None	Show Na	ame		Sk	ip HM 2	? to 5		Off	Off	Off	Off	
7	850.02500	850.02500	Me	mories				None	T 14							Off	Off	Off	Off	
B	850.03750	850.03750						None	Tone Mo	de		Ba	ank 1 to	20		Off	Off	Off	Off	
9	850.05000	850.05000	Lin	nit Memo	ries			None	CTCSS			Co	mment			Off	Off	Off	Off	
0	850.06250	850.06250	Ho	me				None	01000			00	millent		Ult Off	Off	Off	Off	Off	
1	850.07500	850.07500						None L	100.0112	020	201012		riign Lit i		-ult	Off	Off	Off	Off	
2	850.08750	850.08750 850.12000	Hy	per Mem	ory 1-5			None		023	20 kHz		High			Off	Off	Off	Off	
3	850.10000			Circular	-	_		None		023	20 kHz		High		Off	Off	Off	Off	Off	
4	850.11500	850.11500		Simplex Simplex	FM FM			None None	100.0 Hz	023	20 kHz		High High		Off Off	Off Off	Off Off	Off Off	Off Off	

The ADMS-2K 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:

- 1,000 Memory Channels
- 100 Limit Memories (50 pair)
- 5 Home Channels
- 5 Hyper Memories x 5

Other Menu Item Categories Include:

- Common
- DTMF

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

With the ADMS-2K 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. Any RT Systems Version 4.50 program can open a file from any other RT Systems Version 4.50 programmer... even from a different radio.

Managing all the options of this great little 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 Windows XP, Vista, Windows 7 (32 or 64 bit) or Windows 8 (full version). A CD drive (local or network) for installation. A free USB port. The RT Systems USB-29B interface cable. The cable connects the radio to the computer from the USB port on the computer to the data jack on the radio.





ADMS-2K Programming Software **Memory Types**

FT-7	7800 Program	nmer - FT-780	0 Untitled1 *																X
<u>F</u> ile	<u>E</u> dit <u>C</u> omm	nunications	<u>S</u> ettings <u>W</u>	indow <u>H</u> e	lp.														
	FT-7800 Un	titled1 * ×																	•
	Receive Frequency	Transmit Frequency	Offset Frequency	Offset Direction	Operating Mode	Name	Show To Name To	ne Mode	CTCSS	DCS	Step	Clock Shift	Tx Power	Tx Narrow	Skip			Comment	
L1 [•	-	-			-	-	-	-		-		-		_		
U1						_			-							\sim			
L2				_		L	imit Me			ctions	5					-			
U2						_		(left to r	ight)		-								
L3 U3							oivo Ero	NODON	C-	TCSS	-								
L4							ceive Free				-								_
U4						Tra	nsmit Fre	quenc	y Di	CS	+								
L5						Off	set Frequ	onev		ер									
U5								-											
L6						Off	set Direct	ion	CI	ock Sł	nift								
U6						On	erating M	odo	т	(Powe	r								
L7							erating ivi	oue											
U7						Na	me		T>	(Narro	W								
L8 U8						She	w Name		SI	kip									
L9									Jr	νiμ	+								
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L13	N NI Marrie		marine (Hama				2 / 11/2 14		Live ex Mana										•
14 4	🕨 🔤 Memoi	ries 🔟 Limit Me	mories Home	e _ Hyper M	emory I 🖉 Hy	per memory	Z Hyper Me	emory 3	Hyper Mem	ory 4 🖉 H	yper Men	nory 5						 	

Limit Memories

Limit Memories are used by the radio for Program Scan. Program the same details for Limit Memories as for regular memory channels. Many of the Limit Memories are preprogrammed in the radio and while the frequency can be changed to another within the band, they cannot be left blank.

FT-7800 Programmer - FT-7800 Untitled1 *	
<u>Eile Edit Communications S</u> ettings <u>W</u> indow <u>H</u> elp	
FT-7800 Untitled1 * X	-
Receive Frequency Frequency Offset Of	
H + Memories Limit Memories Home Hyper Memory 1 Hyper Memory 2 Hyper Memory 3 Hyper Memory 4 Hyper Memory 5	

Home

Home/Call channels are special memories accessed through one button recall on the radio. These channels are preprogrammed in the radio and while the frequency can be changed to another within the band, they cannot be left blank.



_	Edit Comm		<u>S</u> ettings <u>W</u> ind	dow <u>H</u> elp										
												-		
	Receive Frequency	Transmit Frequency	Offset Frequency	Offset Direction	Operating Mode	Tone Mode	CTCSS	DCS	Step	Clock Shift	Tx Power	Tx Narrov	Comment	
4	144.00000	144.00000	-	Simplex 🖵			100.0 Hz 🖵				High 💌			
) [250.00000	250.00000		Simplex	FM	None	100.0 Hz		20 kHz		High			
)	350.00000	350.00000		Simplex	FM	None	100.0++-		12.5 kHz		High			
0	430.00000	430.00000		Simplex	FM	None	100.0 Hz		25 kHz		High			
D	850.00000	850.00000		Simplex	FM	None	100.0 Hz	023	12.5 KHz		High			
								_		~	<u> </u>	-	Hyper Memories 1-5	
												\sim		
	Bank	Link											VFO Channels	
_	Bank 1				Memory		epeater Split	V					Function Settings	
_	Bank 2		Men	nory Bank #	All Mem		eceive Mode	V			-		Turietion Settings	
_	Bank 3			DTMF #	1		Step Mode	V		\sim	_			
_	Bank 4			Memory #	430 MHz	VFL	Band Edge Wx Alert		<			-		
	Bank 5 Bank 6			Decial Scan		A. / N	wxAlert er Channel #	1				-		
-	Валк б Bank 7			emorv Scan		weatr	Henu #					-		
-	Bank 8		[9]	eniory scarr	Memory	P	acket Speed	1200bps						
-	Bank 9					E.	Packet Mic	120000						
	Bank 10						I BUNGLIMIC							
	Bank 11													
	Bank 12													
	Bank 13											-		
	Bank 14													
	Bank 15													
	Bank 16													
	Bank 17							1						

Hyper Memory 1 to 5

VFO - The program makes available the same VFO's as in the radio (one per band). The VFO's are preprogrammed in the radio and while the frequency can be changed to another within the band, they cannot be left blank. Remember these are not real memory channels since the details are lost as soon as you tune the radio manually. You do not need to program into VFO before programming details into a memory channel.

Function Settings - Five separate configurations for specialized activities. Customize the menu items shown for each different Hyper Memory. For most users, mode is the key to easy use of the radio. Set to memory, the Memory channels (Memories tab) are available for use no matter which hyper memory you're in.



Want to Know Even More?

For additional details and tips, click here for the comprehensive ADMS-2K Programmer Help File.



ADMS-2K Programming Software **Radio Option Setting Screens**

Menu Settings for FT-7800	- Untitled.rsf	X
<u>F</u> ile <u>T</u> abs <u>H</u> elp		
Common DTMF		
Band Edge Beep Priority Revert Memory Only Auto Power Off Off Beep Key+Scan	Dimmer Dim 1 Hyper Write 1-Auto Internet Mode Code DTMF Digit 0 DTMF Memory	Smart Search Single Time Out Timer 6 Minutes Programmable Buttons Prg Panel [Low(ACC)] Weather TONE [V/M Reverse
Mode Always ▼ Interval 15 Seconds ▼ CW ID CW ID DCS Polarity T/RX Normal ▼	D2 Lock Off Microphone MH-48 RF Sql Off Scan Resume Busy	P1 Band ▼ P2 VF0/MR ▼ P3 Tone ▼ P4 Low ▼

Common

Use these screens 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 FT-7800 - Unt	titled.rsf X
<u>F</u> ile <u>T</u> abs <u>H</u> elp	
Common DTMF	
DTMF Settings	
Delay 750 ms 🔻	DTMF
Delay 730 ms +	1
Speed 50 ms 🔻	2
in the second se	3
	4
	5
	6
	7
	8
	9
	10
	11
	12
	13
	15
	16
8	

DTMF and Paging Codes

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



ADMS-2K Programming Software **Preferences – Version 4.50**

Preferences			
Grid Display Memory Defaults Font	Other		
Freeze 1	Mark the columns t		
	Column	Hide 🛆	
Alternate row	Transmit Frequency		
A	Offset Frequency		
1 Row1	Offset Direction		
2 Row 2	Name		
3 Row 3	Tone Mode		
4 Row 4	CTCSS		
	Rx CTCSS		
Fore Back	DCS		
	TxPower		
	Busy Channel Lockout		
Use Combo for Check box	Skip		
	Clock Shift		
Language:	Battery Save		
	Comment		
English •			
		T	
1			
	ОК	Cancel	Apply

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 printout: hidden columns do not print.
- Use Combo for Check boxes changes the grid to eliminate check box selections that are disabled on some systems.

Preferences			
Grid Display Memory Defaults Font Other			
	Offset Freque	ency Defaults	
Open last file when starting programmer.	HF	100 kHz	•
 Check ShowName Automatically Convert Split offsets to standand Plus or 	6m	500 kHz	•
Minus when avaliable.	2m	600 kHz	•
Disable CTCSS, DCS and other Tone columns according to the Tone Mode	1.25m	1.60 MHz	•
selection.	70cm	5.00 MHz	•
Add and Remove Offsets			_
Offset			
1 100 kHz 2 500 kHz Remove			
4 1.00 MHz To add an offset	LIST."		
	ОК	Cancel	Apply

Memory Defaults

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



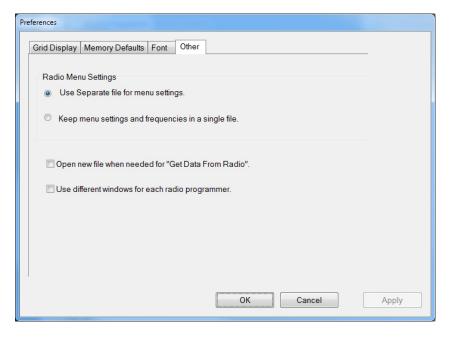
Preferences	A Comment of the second s
Grid Display Me	emory Defaults Font Other
Eont MS Sans S MS Sar MS Ser Ø MS UIC Ø MV Boli Ø MVriad Ø Mvriad Ø Mvriad Ø Nvriad Ø Narkisi Ø Niacara Ø Niacara	In Serif if Sothic ra i Pro Pro Cond Pro Cond Pro Pro Cond Pro Pro Pro Pro Pro Pro Pro Pro
	OK Cancel Apply

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.
 - Together as one 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.





Click here to learn more about using Preferences to customize your radio programming experience.