

303-586-6510 | www.rtsystemsinc.com

ADMS-4B Programming Software for the Yaesu FT-857 / FT-897

	Edit <u>Comm</u>		Seconds M	<u>indow 11</u>	(cib									
	Receive	Transmit Frequency	Offset Frequency	Offset Direction	Operating Mode	Name	Show Name	Tone Mode	CTCSS	Rx CTCSS	DCS	Rx Step Skip Attenu	uator IPO Mask	Comment
4	Frequency 145.50008	144.98899		Minus	FM		Name	None	88.5 Hz	88.5 Hz	023	023 5 kHz		7
	147.24000	147.84000		Plus	FM				88.5 Hz	88.5 Hz	023	023 5 kHz		
3	146.94000	146.34000		Minus	FM				88.5 Hz	88.5 Hz	023			
4												Memory Chan	nel Functions	/
5	445.52000	440.52000		Minus	FM				88.5 Hz	88.5 Hz	023	(left to		
6	443.00000	448.00000		Plus	FM				88.5 Hz	88.5 Hz	023		0 /	
7	446.25000	441.25000	5.00 MHz	Minus		Ŧ		None	88.5 Hz	88.5 Hz	023	Receive Frequency	Y RX CTCSS	
8 9	50.00000	50.00000		Simplex N	Aemor	y Iyi)es	None	88.5 Hz	88.5 Hz	023		5.00	
9	53.25000	53.25000		Simplex	(left to	right)			88.5 Hz	88.5 Hz	023	Transmit Frequence	cy DCS	
1	33.23000	33.23000				0.		Rone	00.0112	00.0112	020	Offset Frequency	Rx DCS	
2	14.02500	14.02500		Simplex	Memorie	S		None	88.5 Hz	88.5 Hz	023	Oliset requelley	IX DOS	
3	14.17555	14.17555		Simplex	ins it Mas		-	None	88.5 Hz	88.5 Hz	023	Offset Direction	Step	
4	14.22550	14.22550		ompion	Limit Me	morie	s		88.5 Hz	88.5 Hz	023			
5	14.25200	14.25200		Simplex	VFO A			None	88.5 Hz	88.5 Hz	023	Operating Mode	Skip	
6														
7	10.12050 10.14000	10.12050		Simplex \	VFO B				88.5 Hz	88.5 Hz	023	Name	Attenuator	
9	10.14000	10.14000		Campion				None	88.5 Hz	88.5 Hz	023	Show Name	IPO	
20	3.81000	3.81000		Simple	Home			None	88.5 Hz	88.5 Hz	023	Show Name	IFU	
21	3.82500	3.82500		Simplex					88.5 Hz	88.5 Hz	023	Tone Mode	Mask	
22				/									Mash	
23	21.02500	21.02500		Simplex	USB			None	88.5 Hz	88.5 Hz	023	CTCSS	Comments	
24	21.13500	21.13500	1/2	Simplex	USB			None	88.5 Hz	88.5 Hz	023			
25			emories VF0											

The ADMS-4B 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:

- 200 Memory Channels
- 5 60m Channels (D models)
- 10 Limit Memories (five pair)
- 4 Home/Call Channels
- 16 Channels each in VFO A and B (one per band)

Other Menu Item Categories Include:

- Common Settings
- CW and ARTS
- Mic and Shifts
- Display and Power

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

With the ADMS-4B 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 (desktop version). A CD drive (local or network) for installation. A free USB port. The RT Systems USB-62 interface cable. The cable connects the radio to the computer from the USB port on the computer to the CAT jack on the radio.





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ADMS-4B Programming Software **Memory Types**

<u>C</u> ommunica 857_897 Samp	_	2000.000 11		P														
	ansmit quency	Offset Frequency	Offset Direction	Operating Mode	Name	Show Name	Tone Mode	_	Rx CTCSS	DCS	Rx DCS Step	škip Atte	enuator IF	PO Mask	1	Commer	nt	
									-		Limit C		el Fu o right)	nctions				
											Receive Fr	equenc	су	Rx CTCSS				
											Transmit Fi	equen	су	DCS				
											Offset Freq	uency		Rx DCS				
											Offset Dired	ction		Step				
											Operating I	Node		Skip				
											Name			Attenuator				
											Show Nam	е		IPO				
											Tone Mode			Mask				
											CTCSS			Comments				
Memories	Limit Mer	nories VFO	A VEO B	Home										•	-			

Limit Memories

Limit Memories are used by the radio for Program Scan. Program the same details for Limit Memories as for regular memory channels.

🔲 FT-8	857/897 Progr	rammer - FT-8	857_897 Sample													
<u>F</u> ile	<u>E</u> dit <u>C</u> omm	nunications	<u>Settings</u> <u>W</u> indov	w <u>H</u> elp												
	FT-857_897	Sample X														-
	Receive Frequency	Transmit Frequency		fset ction	Operating Mode	Tone Mode	CTCSS	Rx CTCSS	DCS	Rx DCS	Step	Skip	Attenuate	r IPO	Comment	<u> </u>
1.8	1.80050	1.889900	Simple			None	88.5 Hz	88.5 Hz	023	023	2.5 kHz				7	
3.5	3.50000	3.50000	Simple				88.5 Hz	88.5 Hz	023	023	2.5 kHz					
5.25 7	5.25000 7.00000	5.25000 7.00000	Simple			None None	88.5 Hz 88.5 Hz	88.5 Hz 88.5 Hz	023		-		-			
10	10.00000	10.00000	Simple			None	88.5 Hz 88.5 Hz	88.5 Hz 88.5 Hz	023		1	/FO	Func	tions		
14	14.00000	14.00000	Simple			None	88.5 Hz	88.5 Hz	023			(]@	eft to rig	ht)		
18	18.00000	18.00000	👻 Simple					88.5 Hz 🗣	023	_						
21	21.00000	21.00000	Simple	ex U	SB	None	88.5 Hz	88.5 Hz	023	Re	ceive F	-requ	lency	DCS		
24.5	24.50000	24.50000	Simple			None	88.5 Hz	88.5 Hz	023	Tro	no mit	From			c	
28	28.00000	28.00000	Simple		SB	None	88.5 Hz	88.5 Hz	023	I II a	Insmit	Freq	uency	Rx DCS	5	
50 88	50.00000 88.00000	50.00000 88.00000	Simple		SB M	None None	88.5 Hz 88.5 Hz	88.5 Hz 88.5 Hz	023	Off	set Fre	eque	ncy	Step		
118	118.00000	118.00000	Simple	ex Al	M	None	88.5 Hz	88.5 Hz	023	0.00			-			
144	144.00000	144.00000	Simple			None	88.5 Hz	88.5 Hz	023	Off	set Dir	ectio	n	Skip		
430	430.00000	430.00000	Simple			None	88.5 Hz	88.5 Hz	023	On	erating		do	Attenua	ator	
Gen	15.00000	15.00000	Simple	ex Al	м	None	88.5 Hz	88.5 Hz	023	l ob	erating	s IVIOU	JE	Allenua	atoi	
										CT	CSS			IPO		
										Rx	CTCS	S		Comme	ents	
14 4	Memor	ries 🖌 Limit Me	mories VF0 A	/FO B	Home											
Ready																CAP NUM SCRL

VFO A/B

The program makes available the same VFO's as in the radio. 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.

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FT-857/897 Programmer - FT-857_897 Sample				
Eile Edit Communications Settings Window Help				
FT-857_897 Sample ×				
Receive Transmit Offset Offset Operating Name Show Tone Mode CTCSS Rx DC	000	or IPO	Comment	
HF 2350000 29,60000 Simplex FM Image: Constraint of the state of				
2m 146.52000 146.52000 Simplex FM None 88.5Hz 023 70cm 446.00000 446.00000 Simplex FM None 88.5Hz 023	Home Channel	Eurotions		
700ml 446.00000 446.00000 (Siliplex FM)	(left to righ			
	Receive Frequency	Rx CTCSS		
	Transmit Frequency	DCS		
	Offset Frequency	Rx DCS		
	Offset Direction	Step		
	Operating Mode	Skip		
	Name	Attenuator		
	Show Name	IPO		
	Tone Mode	Comments		
	CTCSS			
K ↔ → M. Memories / Limit Memories / VF0 A / VF0 B / Home		•		▼ ►
Ready				CAP NUM SCRL

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.



Want to Know Even More?

For additional details and tips, click here for the comprehensive ADMS-4B Programmer Help File.



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ADMS-4B Programming Software **Radio Option Setting Screens**

Menu Settings for FT-857	- Untitled.rsf			X
<u>F</u> ile <u>H</u> elp				
Common CW and ARTS	Mic and Shifts Displ	ay and Power		
📝 144 Auto Repeater Shi	Autor ower on	Off 🔹	Mem/VFO Dial	MHz/Mem Group 💌
✓ 440 Auto Repeater Shi AM/FM Dial	ft AGC	Auto 👻	Meter	Power
Emergerncy	Beep Frequency	880 Hz 🔻	Meter ATx Selection	PWR 🔻
Extended Menu	Beep Volume	50 🚔	Meter ARx Selection	SIG 🔹
Fast Tune	CAT/Linear	Cat 🔹	Mic Select	Normal 👻
Memory Group	CAT Rate	4800 bps 🛛 🔻	NB Level	50 🚔
Meter Peak Hold	Clarifier Dial Sel	V/M •	Packet Rate	1200 bps 🔹
✓ Mic Scan ■ Noise Blanker	Dial Step	Fine 🔻	Scan Mode	Time 🔹
	Digital Mode	RTTY-L 🔻	Scan Resume	5 seconds 🔹 🔻
	DCS Invert	Tn-Rn 🔻	SQL Knob	RF-Gain 🔹
	Filter	Off 🔹	Time Out Timer	0
	Lock	Dial 🔹	Tuner/ATAS	Off 🔹

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-857 - Un	titled.rsf	×
<u>F</u> ile <u>H</u> elp		
Common CW and ARTS Mic	and Shifts Display and Power	
CW Break-in CW Auto Mode Keyer Mic CW Key Reverse CW Paddle	CW BF0 USB CW Delay 250 CW Pitch 700 Hz CW QSK 10 ms	CW Speed 12 - CW Sidetone 50 - CW Training Numeric • CW Weight 1:3.0 •
ARTS	V ID Text YAESU AF	RTS Beep Range 🔹
Beacon Interval 0		
Text 1 1 Text 2 2		Continue
Text 3 3		

CW and ARTS

Use these settings to adjust the CW and ARTS menu items of the radio.

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le <u>H</u> elp ommon CW and ARTS Mic	and Shifts Display and Power	
Vox Enable Gain 50 Delay 500 ms	Digital Digital Shift 0 + Hz Digital DISP 0 + Hz Digital VOX 0 +	Carrier Offset RX LSB 0 Hz RX USB 0 Hz TX LSB 0 Hz
Microphone Gain SSB 50 v Packet 50 v 9600 50 v FM 50 v Digital 50 v	DSP Mic Equalizer Off DSP BPF Width 240 Hz DSP HPF Cutoff 100 Hz DSP LPF Cutoff 6000 Hz DSP NR Level 8	TX USB 0 Hz Processor Level 50

Mic and Shifts

Vox, Digital, Carrier, Offset, Microphone Gain and DSP functions are customized here.

Menu Settings for FT-857 - Untitled.rsf	
<u>F</u> ile <u>H</u> elp	
Common CW and ARTS Mic and Shifts Display and	Power
Display	RF Power
Large Display	HF 100 🚔
Contrast 5	50 MHz 100 🚔
Intensity 3	144 MHz 50
Mode Auto2	430 MHz 20 🚔
Color	PG Buttons
Active Setting Fix 🔽 26 🛖	
ARTS 1 -	B Q.SPL
Mem Group	C ATC 👻
	ACC MONI
Mode 1	P1 Q.SPL
Meter	P2 TCALL
VFO 🗖 🚺	
Band 🔲 1 💌	

Display and Power

Use these settings to control the radio's Power, Display and Color options as well as customizing the Programmable Buttons (PG buttons) for easy one touch access to a feature.



ADMS-4B Programming Software **Preferences – Version 4.50**

Preferences			
Grid Display Memory Defaults Font	Other		_
Freeze 1	Mark the columns t	o hide.	
Fleeze	Column	Hide 🔺	
Alternation and	Transmit Frequency		
Alternate row	Offset Frequency		
1 Row 1	Offset Direction		
2 Row 2	Name		
3 Row 3	Tone Mode		
4 Row 4	CTCSS		
4 10004	Px CTCSS		
Fore Back	DCS		
	TxPower		
	Busy Channel Lockout		
Use Combo for Check box	Skip		
	Clock Shift		
Language:	Battery Save		
English -	Comment		
Linglish			
	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			
3 600 kHz To add an offset			
4 1.00 MHz double click "END OF	LIST."		
	ОК	Cancel	Apply

Memory Defaults

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



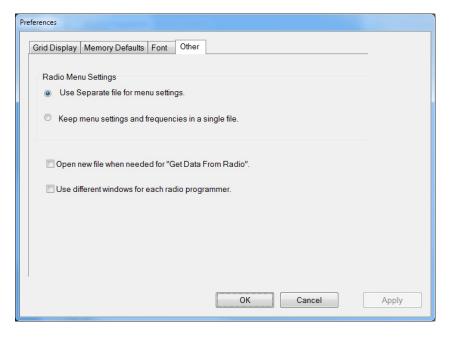
Preferences	A Comment of the second s
Grid Display Me	emory Defaults Font Other
Eont MS Sans S MS Sar MS Ser Ø MS UIC Ø MV Boli Ø MVriad Ø Mvriad Ø Mvriad Ø Nvriad Ø Narkisi Ø Niacara Ø Niacara	In Serif if Sothic ra i Pro Pro Cond Pro Cond Pro Pro Cond Pro Pro Pro Pro Pro Pro Pro Pro
	OK Cancel Apply

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.