## Radio Programming Software for the Yaseu FT-3D



The YPS-FT3D Radio Programming Software is designed to give you the ease and convenience of programming the memories and set menu options of your radio from your PC. Any memory channel with all its details can be sent to the radio with a simple keystroke.

#### Memory Channels Include:

- 900 Memory Channels
- 99 Skip Memories
- 50 Limit Memories (25 pair)
- 11 VFO A Channels
- 6 VFO B Channels
- 11 Home Memories
- 88 Marine Memories
- 89 SW Memories
- 10 Weather Memories

#### Other Menu Item Categories Include:

- Common 1
- Common 2
- Messages
- DTMF/Internet
- APRS
- APRS Beacon
- GPS
- Group Moniter/Messaging

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

With the YPS-FT3D 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 great 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.

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ècé eau	ive P	Transmil	Office Frequence	Official Direction	Operating Mode	AHS	Name	Tone Mode	CTCSS	DCS	DCS Polate	RX DQID	TH	Uler	Tx Power	Skip	Step	Attenuator	SMeter	Bel	Hal 4		
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#### CAM Channels

Put channels into Club Activity Monitoring Groups with the programmer by selecting the channel then right clicking and selecting the assignment. reorder within a group or remove channels from the list just as easily with options available from the right click menu in the CAM listing. Group names can be assigned or changed to make the groups even easier to use. <u>Click here</u> to learn more about using CAM Channels.

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#### VFO A and VFO B

Enter frequencies for each band allowed in VFO A and/or VFO B. The programmer will help you by not allowing a frequency that is not appropriate for a given band. The program makes available the same VFO's 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.

FT-30 P	rogrammer -	FT-3D Sampl	e.FT30																		-		×
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#### **Home Channels**

Home 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.



#### **Marine Memories**

Pre-programmed in the radio, the Marine Memories cannot be changed. Receive frequency, Transmit frequency and Offset direction are disabled to prevent editing. These channels can be included with other memories in Banks 1 - 24 by checking the box for that Bank.

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#### Weather Memories

Pre-programmed in the radio, the Marine Memories cannot be changed. Receive frequency, Transmit frequency and Offset direction are disabled to prevent editing. These channels can be included with other memories in Banks 1 - 24 by checking the box for that Bank.

## Radio Menu Settings



#### Common 1 and Common 2

Use these screens to customize many set menu features of the radio. Check boxes toggle features on or off, use 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.

#### Messages

Set options for the Opening Message and text message details.

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#### **DTMF/Internet**

Enter DTMF and Internet (wires) memory details to customize options for the functions of the radio.





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#### APRS

Customize check boxes, drop-down lists and edit boxes.

#### **APRS Beacon**

Customize additional features for advanced APRS functions.

#### GPS

Set options for GPS functionality. Remember, this screen has more options than those shown. Be sure to click on each of the tabs to set options for each of those D-PRS operations.

#### **Group Moniter/Messaging**

Set options for Fusion operations including the DP-ID list of your favorite contacts. Edit the list as needed as folks come and go from your group. Enter messages without having to turn the knob for each letter.

## External Data

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RT Systems Programmers interface with four sources of data to make it easy for you to find repeater information. Some of these sources even include information for repeaters outside the US. Your existing subscription to a service (where required) works in the programmer.

- Open Travel Plus List This is a great source for those of you who still have the TravelPlus CDs (now discontinued) from ARRL since it does not require an Internet connection. Use it with TravelPlus from 2009 to 2015. For more details about using TravelPlus <u>see our video</u>.
- RadioReference Search This database has commercial and amateur repeaters. A subscription through RadioReference is required to access this data.
- **RepeaterBook Search** This database contains domestic and international repeater listings. It is free to use from within the programmer.
- **RFinder Web Search** RFinder is now ARRL's repeater directory service. It has both domestic and international repeater listings. RFinder offers the best search abilities with single location or routing options. A subscription through RFinder is required to access this data.

dioReference Search	;
Not registered for the Ra	dioReference Service?
Click	there
State/Province	County
Georgia V	Meriwether V
User ID	Password

#### **Radio Reference Search**

An internet connection and subscription to the service are required for this search.

Enter the user e-mail and Password that you established when you purchased your subscription from RadioReference Then select the **State**– Select the state from the list and **County**– Select the state from the list to get repeaters for that area.

Click OK.

ocation			Radiu	IS
Searcy, AR, U	ISA		25	miles
	Select Bands			
	All Bands	1.25 meter		
	10 meter	70 cm		
	6 meter	33 cm		
	2 meter	23 cm		

#### **Repeater Book Search**

An Internet connection is required for this search.

**Location** – Enter City, State, Country (if not in the US).

**Radius** – Enter how many miles (up to 90 maximum) around this location.

Select Bands – This is not terribly important since it can be done on the next screen; however, you might want to limit the selection to reduce the number of repeaters in the results. Uncheck All Bands to make the individual bands active.

Click OK.

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#### **RFinder Search**

An internet connection and subscription to the service are required for this search.

Enter the User E-mail and Password that you established when you purchased your subscription from RFinder.

**Location** - Search around a specific city. Enter City, State and Country (if not US). Enter Radius up to 90 miles.

**Route** - Search along the route of a trip you're planning. Enter the Start and End cities, a width (remember to limit this since you can't hear repeaters that are too far away), and waypoints (other cities along the way). The search will travel along major interstate highways between the two cities. If the result is not along the route you plan to take, enter other waypoints on your route.

**Map Route** – Use this option to see the route the search will take. Close the map to return to the search screen.

Click OK.

The information is returned on a screen that is not yet ready for radio programming, this screen lets you examine the data to see if the results are about what you expected. You might find that you spelled the city name wrong which resulted in nothing being returned; or that you want to pull repeaters from further away; or you want to get repeaters for different bands.

I	Output Input Frequency Frequency	Offset	Callsign (Name)	CTCSS C	cs Oty	State	Region	Repeater Notes (Comment)	iponsor	Ī
İ	145.11000	Minus	WC80H	67.0	Dayton	OHIO	MONTGOMERY	o 67.0 (CA)ek	VCOAR,	
	146.64000	Minus	KSMCA		Dayton	OHIO	MONTGOMERY	039WX	4oCoAP	
	146.82000	Minus	WA8PLZ	77.0	Dayton	OHIO	MONTGOMERY	o 77.0e	6WA	
	146.94000	Minus	W8B1	123.0	Dayton	OHIO	MONTGOMERY	o 123.0a	DARA	
	146.98500	Minus	WF8M	123.0	Dayton	OHIO	MONTGOMERY	o 123.0I	rvRFG	
	147.13500	Plus-	WB8SMC		Dayton	OHIO	MONTGOMERY	o(CA)z	FaroutAl	
	147.86000	Plus-	WA8PLZ	77.0	Dayton	OHIO	MONTGOMERY	o 77.0e	fwA.	
	145.33000	Minus	W8DYY		Miamisburg	OHIO	MONTGOMERY	o(CA)e	foundA	
	146.77500	Minus	W6CDR	77.0	Miamisburg	OHIO	MONTGOMERY	o 77.0	W6CDR	
	147.01600	Plus.	WINCI	77.0	Miamisburg	OHIO	MONTGOMERY	0 77.0	N8NCI	
	147.07500	Plus	W8KMC	67.0	Miamisburg	OHIO	MONTGOMERY	0 67.0	(MCN	
	147.19500	Plus	W8DYY		Miamisburg	OHIO	MONTGOMERY	o(CA)eWX	foundA	
	146.91000	Minus	W8GCA		Belbrook.	OHIO	GREENE	039	3CARES	
	147.04500	Plus	W8DGN		Belbrook	OHIO	GREENE	00	JARC	
	145.43000	Minus	WB8ART	88.5	Clearcreek Twp	OHIO	WARREN	o 88.5ez	2miar (	
	145.41000	Minus	K8FBN	118.8	Fairborn	OHIO	GREENE	o 118.8e	JpVtyAF	
	145 29000	Minus	WB82VL	118.8	Franklin	OHIO	WARREN	o 118.8 (CA)r	VB82VL	
	145.49000	Minus	W8CYE	77.0	Springboro	OHIO	WARREN	o 77.0el	DRAKE .	
	147 24000	Plus.	KDSKID		Tipp Cty	OHIO	MIAMI	¢	4/24FM	
	147.16500	Plus-	N8JFA		Xenia	OHIO	GREENE	o(CA)e	(eniaAR	
	146.61000	Minus	W8BLV	77.0	Middletown	OHIO	BUTLER	o 77.0 TTel	Dial ARC	
	147.31500	Plus	W8JEU	77.0	Middletown	OHIO	BUTLER	o 77.0 TTel	Dial ARC	
	146.86500	Minus	WC8EMA	118.8	Lebanon	OHIO	WARREN	o 118.8a(CA)eir	WarrenE	
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Select what the radio uses as the Name display. You can select the Callsign (default), City, State, Region, Repeater Notes or Sponsor. Notice that each of these categories is a column of information in the grid. You will see those names at the top of the screen. You are selecting the information in that column for the Programmer to set up for the Name field. NOTE: The radio will truncate (cut off) the information in the field at the maximum number of characters it can use for the Alpha/numeric display. You might end up with only the first four or six characters of the information in the column. Consider this when selecting the information.

Select what the Programmer will use in the Comment field. This information does not go to the radio but can be very helpful for identifying a channel as you work with it on the spreadsheet. You can print this information along with other details for the channels to have it on hand as you travel. Again, select Callsign, City, State, Region, Repeater Notes or Sponsor.

ŧ		AFinder Web Se	each X							
	Output Frequency	Input Frequency	Offset Direction	Calkign	CTCSS 0	City (Name)	State (Comment)	Region		
	145.55500	145.55500	Singlex	KF4MND	162.2	0 Ft.Stewart Ga PL-162.2	GA	US	Power: 49 HAAT: 80 Gam: 6 Pt.Stewart Ga PL-162 2	
2	162.42500	162.42500	Simplex	WWH25	0.0	0 NDAA Metter	GA	US	162.425 MHz - 1000 W♪,8#9689:NWS Charleston SC	
3	145 28000	144 68000	Minus	KJ4GGV C	0.0	0 Pernbroke	GA	US	(DSTAR)	
1	147.07500	147,67500	Plus	W4CLA	123.0	0 Claston	GA	U\$		
5	440.70000	445,70000	Plus	KJ4GGV B	0.0	0 Petribitokie	GA	US	(DSTAR)	
6	1298.50000	1298-50000	Sniplex	KJ4GGVA	0.0	0 Pembroke	Ge	US	(DSTAR)	
t.	147.30000	147.90000	Plus	KJ4GGV	0.0	0 Perrbroke	GA	US		
3	1282.70000	1282 70000	Minus	KJ4GGVA	0.0	0 Pernbroke	GA	US	(DSTAR)	
9	444.85000	449.85000	Plus	KG40GC	0.0	0 Hinesville	GA	U\$		
0	147.10500	147.70500	Plus	KF4DG	0.0	0 Pernbroke, WVAN tower	GA	US		
1	444 25000	449,25000	Plus	N4SFU	94.8	0 Twin Oity	GA	US		
2	147.00000	147/60000	Plus	N4SFU	156.7	0 Twin City	GA	US		
3	146.71500	146,11500	Minus	N4SFU	0.0	0 Twin City	GA	ŲS		
4	147.39000	147.99000	Plus	KF4DG	0.0	0 Statesbore, WWNS tower	GA	US		
5	147.01500	147,61500	Plus	KG40GC	0.0	0 Hinesville	GA	US		
6	441.80000	446-80000	Plus	AF4MI	0.0	0 Sylvania	GA	US		
17	145 11000	144,51000	Minus	W4DV	71.9	0 AUGUSTA	GA	US		
18	162.42500	162.42500	Siriplex	WXM 2 50	MH2	A P	GA	UŞ	162.425 MHz - 375 W♪.8#9689.NWS Columbia	
9	162.55000	162 55000	Simplex	WXX5 2144	364z	Uncheck any yo	u don't want	oa your r	adio. 5 MHz - 1000 W♪,8#9689,NWS Columbia	
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**Sorting Return Data** 

The screen that opens after you click OK for one of the external data searches gives you the ability to remove repeater information that your radio cannot use. You might have a radio that does not do DMR, DStar or Yaesu Fusion. Simply uncheck these in the list. The channels are removed from the list automatically.

Once you finish eliminating frequencies or modes your radio cannot use, select your radio from **Modules** and then click **Create file for (your radio)**.

		Davel Plut List	*	×																
	Frequency	Transmit Frequency	Offset Frequency	Offset Direction	Operating Mode	Name	Show Name	Tone Mode	CTCSS	DCS	Skip	Step	Clock. Shift	Tic Power	Tx: Natrow	Pager Enable	Bank, 1	Bank,2	Bank,3	Barik,
1	145.11000	144.51000	600 kHz	Minus	FM	WC80H		Tone	67.0 Hz	920	- Off	- 5kH		High 4						
2	146.64000	146 04000	600 kHz	Minus	FM	KEMCA		None	89.5 Hz	025	Off	5 kHz		High						
3	146.82000	146.22000	600 kHz	Minus	FM	WASPLZ		Tone	77.0 Hz	020	Off	5 kHz		High						
4	146.94000	146.94000	600 kHz	Mittals	FM	W881		Tone	129.0 Hz	029	Off	5 kHz		High						
5	146.98500	146.38500	600 kHz	Minus	FM	WF8M		Tone	123.0 Hz	029	011	EkHz		High						
6	147.13500	147.73500	600 kHz	Flus	FM	WB85MC		Nona	88.5 Hz	029	Off	5 kHz		High						
7	147.36000	147.96000	600 kHz	Flus	FM	WASPLZ		Tone	77.0 Hz		Off	6 kHz		High						
8	145.33000	144.73000	600 kHz	Minus	FM	W8DYY		None	385 Hz	029	Off	5 kHz		High						
9	146.77500	146.17600	600 kHz	Minkas	FM	WECDR		Tone	77.0 Hz	029	Off	5 kHz		High						
10	147.01500	147.61500	600 kHz	Phus-	FM	WENCI		Tone	77.0 Hz		Off	6 kHz		High						
11	147.07500	147.67600	600 kHz	Flus	FM	WSKMC		Tone	67.0 Hz	029	Off	5 kHz		High						
12	147.19500	147.79500	600 kHz	FRUS.	FM	W8DWY		None	88.5 Hz	020	Off	5 kHz		High						
13	146.91000	146.31000	600 kHz	Minus	FM	WEGCA		None	88 5 Hz	020	Off	5 kHz		High						
14	147.04500	147.64500	600 kHz	Phus	FM	WEDGN		None	88.6 Hz	0213	011	5 kHz		High						
15	145.43000	144.83000	600 kHz	Minus	FM	WBSART		Tone	88.5 Hz	023	Off	EkHz		High						
16	145.41000	144 81000	600 kHz	Minus	FM	KBFBN		Tone	118.8 Hz	020	011	6 kHz		High						
17	145,29000	144.69000	600 kHz	Minus	FM	WB82VL		Tone	118.8 Hz	029	011	5 kHz		High						
18	145.49000	144.89000	600 kHz	Minus	FM	W8CYE		Tone	77.0 Hz		011	5 kHz		High						
19	147 24000	147.84000	600 kHz	Phus.	FM	KDSKID		None	88.5 Hz	029	110	5 kHz		High						
20	147.16500	147.76500	600 kHz	Plus	FM	N8JFA		None	88.5 Hz	020	Off	EkHz		High						
21	146.61000	146.01000	600 kHz	Minus	FM	W\$BLV		Tone	77.0 Hz	025	Off	5 kHz		High					0	
22	147.91500	147.91500	600 kHz	FNUS.	FM	WBJEU		Tone	77.0 Hz	029	Off	5 kHz		High	0	0	0	0	0	0
23	146.86500	146.26500	600 kHz	Mittas	FM	WCSEMA		Tone	118.8 Hz	029	011	6 kHz		High					0	
24																				
25																				

#### **Resulting File**

After clicking Create File for (Your radio) the programmer creates the file that you use to program your radio. Notice that all the Tones are set up with the tone frequencies. All done automatically.

What a list and all you did was enter a location!

## Preferences Customize the

### Programmer

in Dispisy	wentory Deladits	FUIL	Other				
	-		Mark	the columns to I	nide.		
Freeze	1		Colu	mn.	Hide	-	
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			Offset Frequency				
	A		Offset Direction		E		
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	Z HOW Z	Tone Mode			23		
-	3 How 3		CTCSS		13		
	4 Row 4		RxCTCSS		12		
	Fore Back		DCS		E		
	, ore over		TxPower		6		
Use Combo for Check box			Busy Channel Loc	kout			
			Skip		10		
			Clock Shift		8		
			Battery Save		E		
			Comment		10		
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	Offset Freque	ency Defaults				
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matically			_			
standard Plus or	бm	500 kHz	•			
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and other Tone	1.25m	1.60 MHz	*			
ne i one Mode	70cm	5.00 MHz	+			
Pick an offset freque	ncy then click					
remove to delete it fr	om the list.					
Remove						
To add an offset						
double click "END C	FLIST."					
	ing programmer. matically standard Plus or and other Tone he Tone Mode Pick an offset freque remove to delete if f Remove To add an offset double click "END C	offset Freque matically standard Plus or and other Tone he Tone Mode Pick an offset frequency then click remove to delete it from the list. Remove To add an offset double click "END OF LIST."	Offset Frequency Defaults matically standard Plus or and other Tone he Tone Mode  Pick an offset frequency then click remove to delete it from the list. Remove To add an offset double click "END OF LIST."			

Grid Display Memory Default	Font Other				
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MSSance Sand MS Second MS UI Gothic MS UI Gothic MV Boli MV BO		*	8 10 12 14 18 24	*	
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		p			

#### **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.

#### **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.

- 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.



**THE NETHERLANDS | Roermond** Tel. +31 (0)475-327390 www.classicinternational.eu

**GERMANY | Mönchengladbach** Tel. +49 (0)2166-33061 www.classicinternational.eu