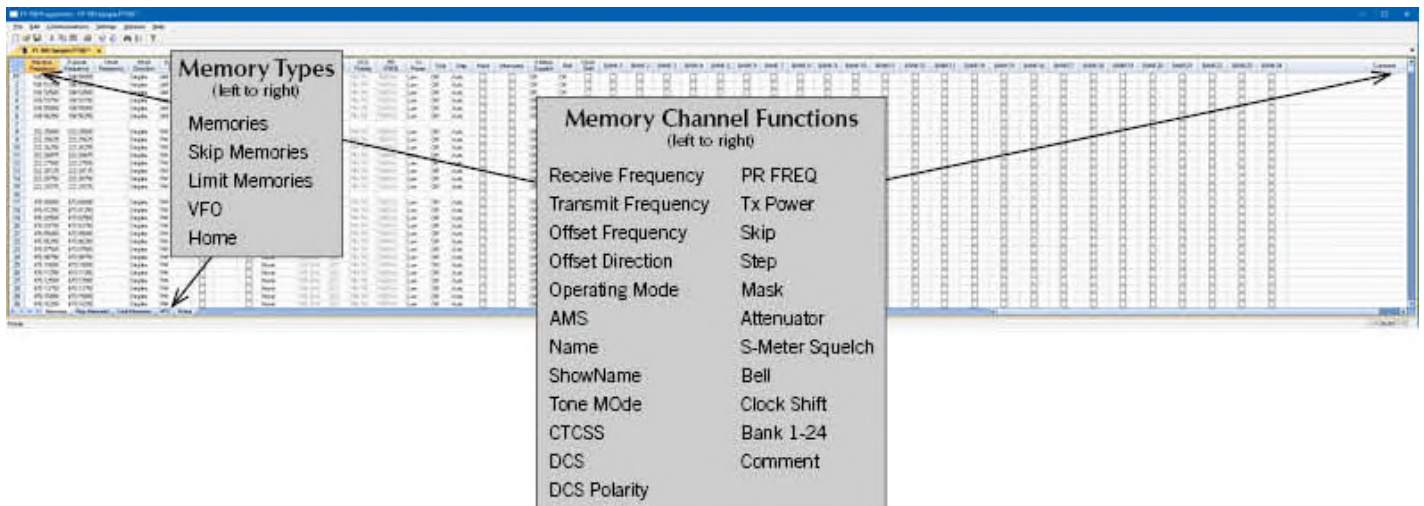


Radio Programming Software for the Yaesu FT-70D



The ADMS-70D 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
- 999 Skip Memories
- 100 Limit Memories (50 pair)
- 6 VFO Channels
- 6 Home Channels

Other Menu Item Categories Include:

- Configuration
- Operating
- DTMF
- Group Monitor(GM)

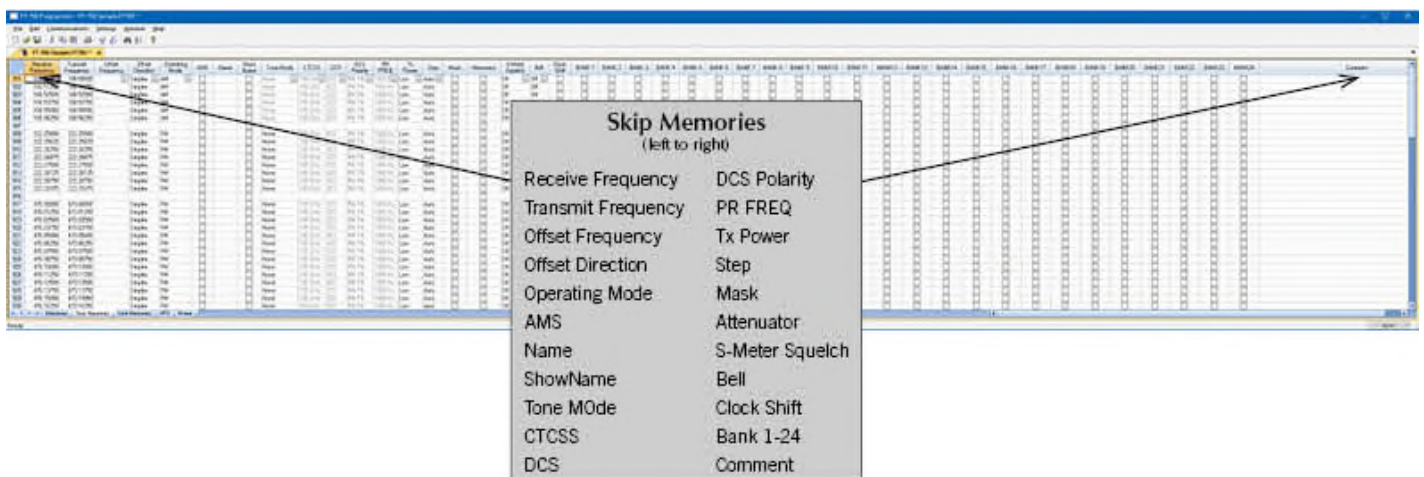
The Radio Programmer Is for so Much More than Just Memory Management.

With the ADMS-70D 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.

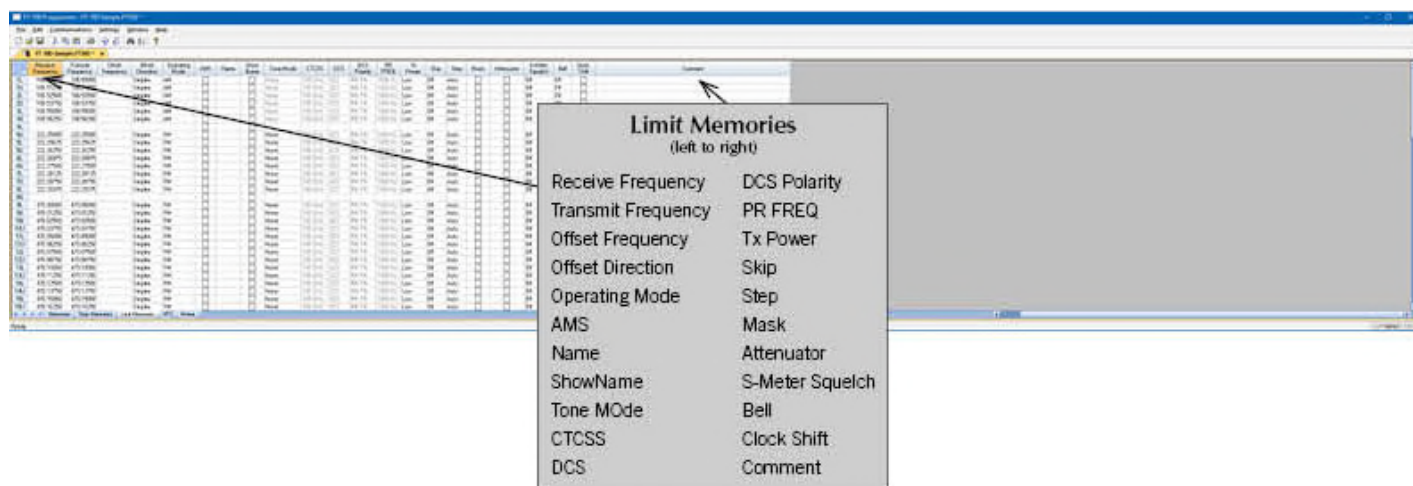
Managing all the options of this great radio becomes easy with the Programmer. The cut, copy, paste and insert features of the Programmer make channel management easier than ever.

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.



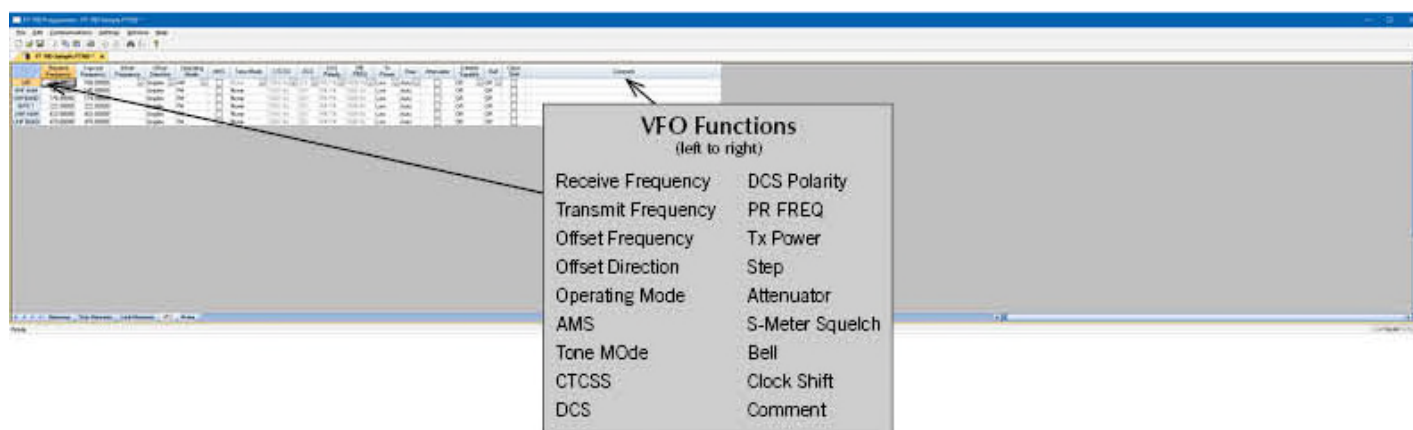
Skip Memories

These frequencies are skipped during VFO scanning. These channels can be used for additional regular memory storage if you don't use VFO scanning.



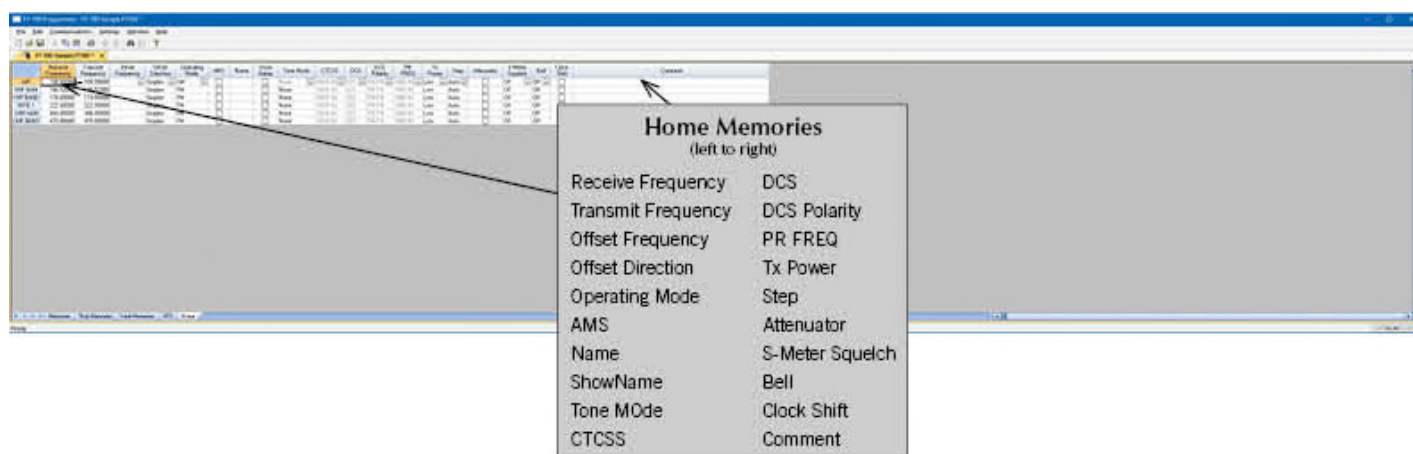
Limit Memories

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.



VFO

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.



Home Memories

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.

Radio Menu Settings

The screenshot shows the 'Menu Settings for FT-70D - Untitled.rsf' window with the 'Configuration' tab selected. The window is divided into three columns of settings. The first column includes 'Callsign' (text field), 'Auto Repeater Shift' (checked), 'Band Edge Beep' (unchecked), 'Busy Channel Lockout' (unchecked), 'Busy LED' (checked), 'Beep' (checked), 'Password' (Enable unchecked), 'Memory' (Protect unchecked), 'Write' (Next), and 'Opening Message' (Type: Off, Text:). The second column includes 'AMS' (Tx Auto), 'Auto Power Off' (Off), 'Beep Level' (Level 5), 'HM/RV' (Reverse), 'Home/VFO' (VFO), 'Lamp' (5 seconds), and 'LCD Dimmer' (Level 6). The third column includes 'Lock' (Dial + Key), 'Moni/TCall' (Moni), 'P1 Key' (20: DT SPD), 'P2 Key' (20: DT SPD), 'PTT Delay' (Off), 'Rx Save' (0.2 seconds), 'Time Out Timer' (3.0 min), and 'VFO Mode' (Band).

Configuration

Use the options on the Configuration 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.

This screenshot is identical to the one above, showing the 'Menu Settings for FT-70D - Untitled.rsf' window, but with the 'Operating' tab selected. The layout and settings are the same, with the 'Configuration' tab now inactive.

Operating

This screen has options to set up for how your radio operates when scanning, paging, and signaling.

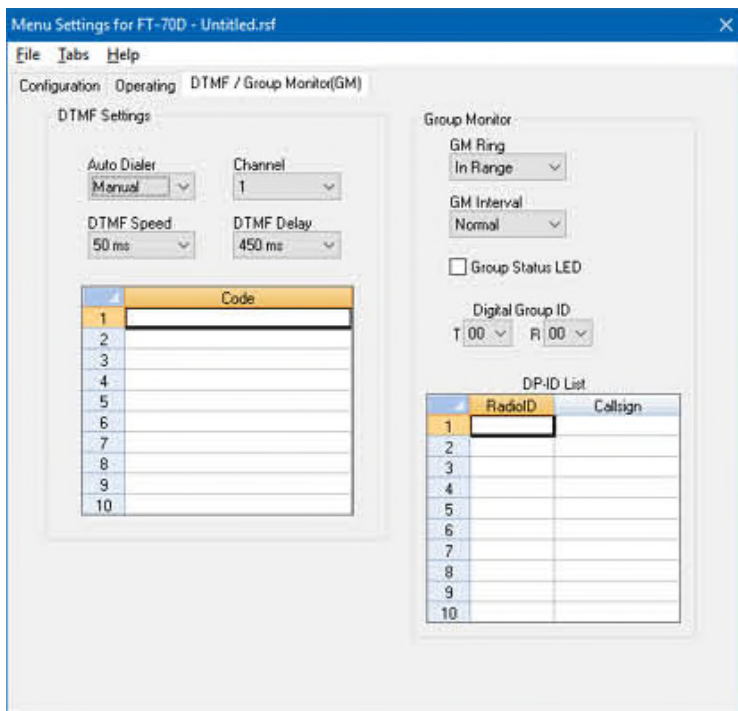
In addition you will find options to customize characteristics of audio, including mic gain and squelch, and digital mode, including popup time and standby beep.

Customizing all these options makes your radio operate just as you want.

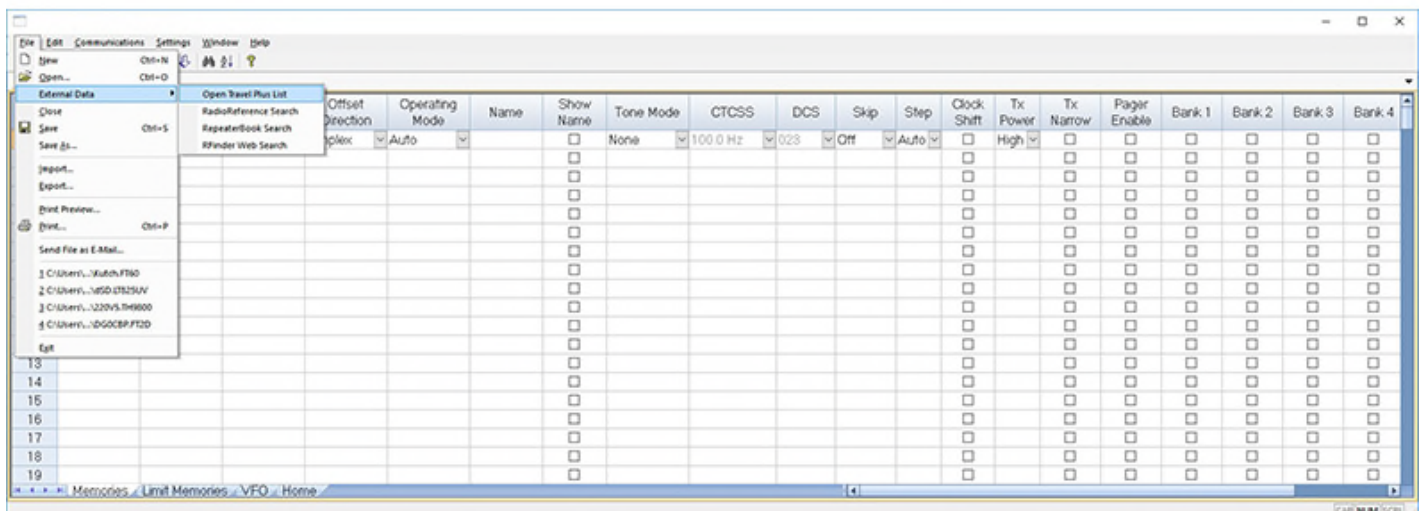
DTMF/GroupMonitor(GM)

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

Set Group Monitor options and messages to join a particular conversation.



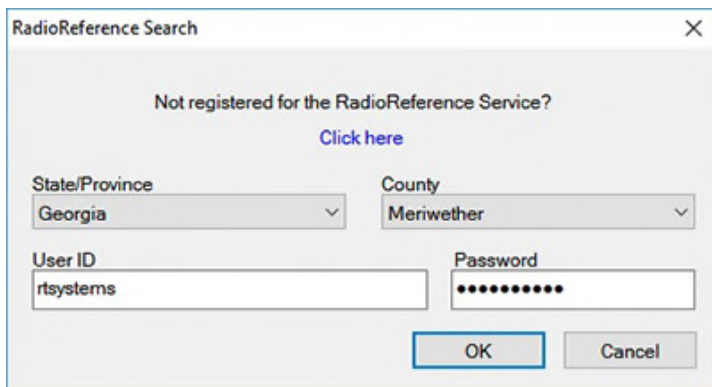
External Data



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 [see our video](#).
- **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.

Radio Reference Search



RadioReference Search

Not registered for the RadioReference Service?
[Click here](#)

State/Province: Georgia
 County: Meriwether

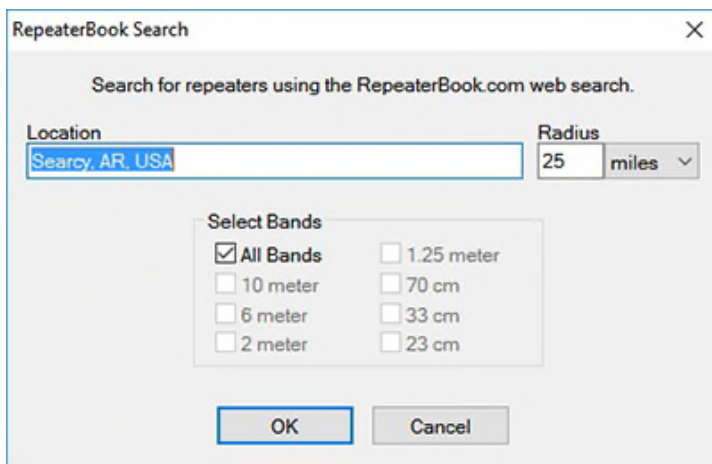
User ID: rtsystems
 Password:

OK Cancel

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.



RepeaterBook Search

Search for repeaters using the RepeaterBook.com web search.

Location: Searcy, AR, USA
 Radius: 25 miles

Select Bands

<input checked="" type="checkbox"/> All Bands	<input type="checkbox"/> 1.25 meter
<input type="checkbox"/> 10 meter	<input type="checkbox"/> 70 cm
<input type="checkbox"/> 6 meter	<input type="checkbox"/> 33 cm
<input type="checkbox"/> 2 meter	<input type="checkbox"/> 23 cm

OK Cancel

Repeater Book Search

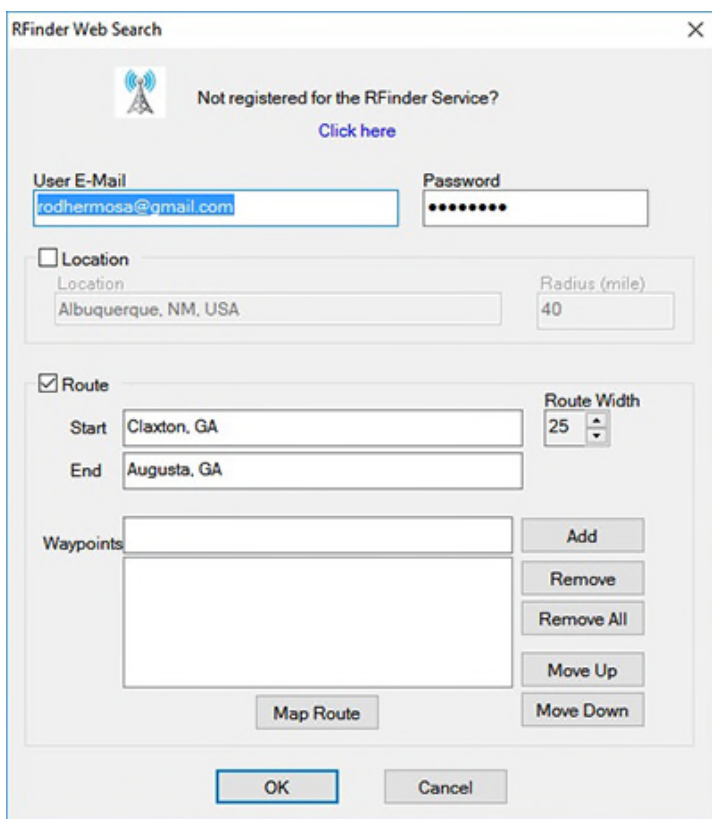
An Internet connection is required for this search.

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.



RFinder Web Search

Not registered for the RFinder Service?
[Click here](#)

User E-Mail: rodhermosa@gmail.com
 Password:

☐ Location
 Location: Albuquerque, NM, USA
 Radius (mile): 40

☒ Route
 Start: Claxton, GA
 End: Augusta, GA
 Route Width: 25

Waypoints: [Empty list]
 Add, Remove, Remove All, Move Up, Move Down

Map Route

OK Cancel

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.

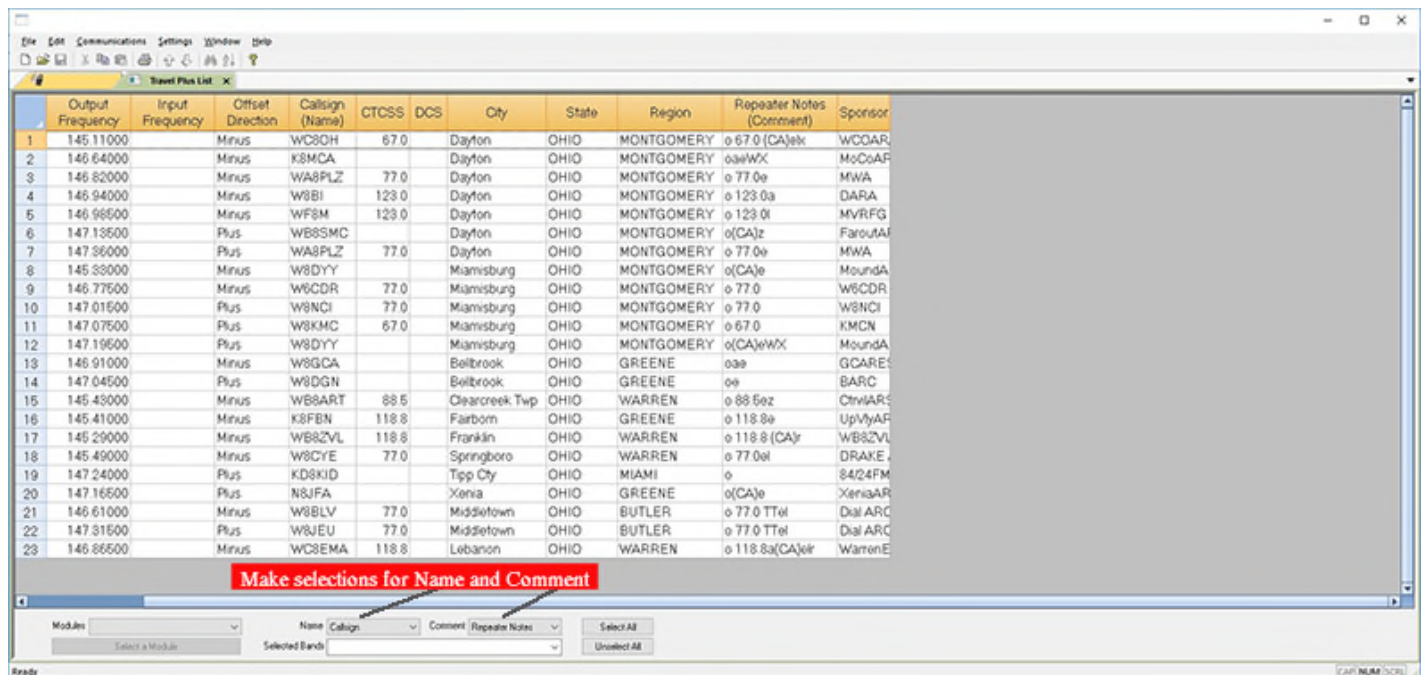
Route - Search along the route of a trip you're planning. Enter the Start and End cities, a width (remember to limit this since you can't hear repeaters that are too far away), and waypoints (other cities along the way). The search will travel along major interstate highways between the two cities. If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

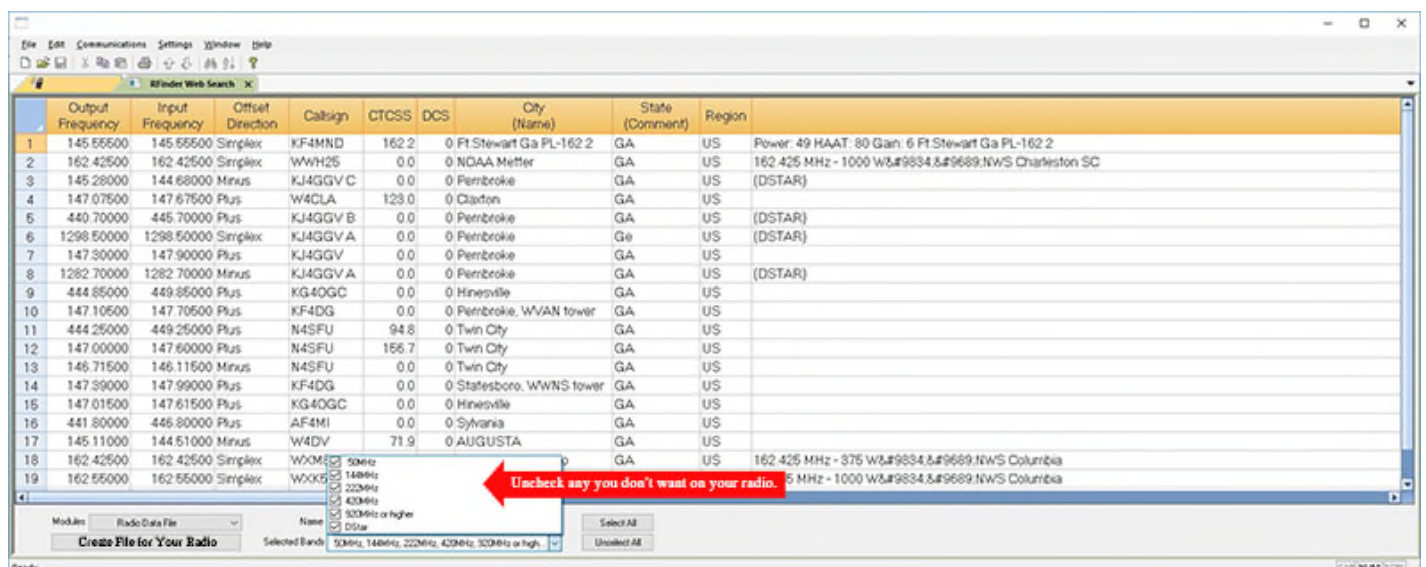
The information is returned on a screen that is not yet ready for radio programming, this screen lets you

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.



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.



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)**.

	Receive Frequency	Transmit Frequency	Offset Frequency	Offset Direction	Operating Mode	Name	Show Name	Tone Mode	CTCSS	DCS	Skip	Step	Clock Shift	Tx Power	Tx Narrow	Pager Enable	Bank 1	Bank 2	Bank 3	Bank 4
1	145.11000	144.51000	600 kHz	Minus	FM	WCSOH	<input type="checkbox"/>	Tone	67.0 Hz	023	Off	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	146.64000	146.04000	600 kHz	Minus	FM	KSMCA	<input type="checkbox"/>	None	88.5 Hz	023	Off	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	146.82000	146.22000	600 kHz	Minus	FM	WASPLZ	<input type="checkbox"/>	Tone	77.0 Hz	023	Off	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	146.94000	146.34000	600 kHz	Minus	FM	WBB1	<input type="checkbox"/>	Tone	123.0 Hz	023	Off	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	146.98500	146.38500	600 kHz	Minus	FM	WFSM	<input type="checkbox"/>	Tone	123.0 Hz	023	Off	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	147.13500	147.73500	600 kHz	Plus	FM	WBSMC	<input type="checkbox"/>	None	88.5 Hz	023	Off	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	147.36000	147.96000	600 kHz	Plus	FM	WASPLZ	<input type="checkbox"/>	Tone	77.0 Hz	023	Off	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	145.33000	144.73000	600 kHz	Minus	FM	WSDYY	<input type="checkbox"/>	None	88.5 Hz	023	Off	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	146.77500	146.17500	600 kHz	Minus	FM	WCDR	<input type="checkbox"/>	Tone	77.0 Hz	023	Off	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	147.01500	147.61500	600 kHz	Plus	FM	WNCI	<input type="checkbox"/>	Tone	77.0 Hz	023	Off	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11	147.07500	147.67500	600 kHz	Plus	FM	WKMCC	<input type="checkbox"/>	Tone	67.0 Hz	023	Off	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12	147.19500	147.79500	600 kHz	Plus	FM	WSDYY	<input type="checkbox"/>	None	88.5 Hz	023	Off	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13	146.91000	146.31000	600 kHz	Minus	FM	WBGCA	<input type="checkbox"/>	None	88.5 Hz	023	Off	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14	147.04500	147.64500	600 kHz	Plus	FM	WSDGN	<input type="checkbox"/>	None	88.5 Hz	023	Off	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15	145.43000	144.83000	600 kHz	Minus	FM	WBSART	<input type="checkbox"/>	Tone	88.5 Hz	023	Off	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16	145.41000	144.81000	600 kHz	Minus	FM	KJFBN	<input type="checkbox"/>	Tone	118.8 Hz	023	Off	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17	145.29000	144.69000	600 kHz	Minus	FM	WBSZVL	<input type="checkbox"/>	Tone	118.8 Hz	023	Off	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18	145.49000	144.89000	600 kHz	Minus	FM	WSCYE	<input type="checkbox"/>	Tone	77.0 Hz	023	Off	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19	147.24000	147.84000	600 kHz	Plus	FM	KD8KJD	<input type="checkbox"/>	None	88.5 Hz	023	Off	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20	147.16500	147.76500	600 kHz	Plus	FM	NSJFA	<input type="checkbox"/>	None	88.5 Hz	023	Off	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21	146.61000	146.01000	600 kHz	Minus	FM	WBSLV	<input type="checkbox"/>	Tone	77.0 Hz	023	Off	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22	147.31500	147.91500	600 kHz	Plus	FM	WJUEU	<input type="checkbox"/>	Tone	77.0 Hz	023	Off	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23	146.86500	146.26500	600 kHz	Minus	FM	WCSEMA	<input type="checkbox"/>	Tone	118.8 Hz	023	Off	5 kHz	<input type="checkbox"/>	High	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
24							<input type="checkbox"/>						<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25							<input type="checkbox"/>						<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

Preferences

Grid Display | Memory Defaults | Font | Other

Freeze: 1

Mark the columns to hide.

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"/>

Alternate row: 1 Row 1, 2 Row 2, 3 Row 3, 4 Row 4

Fore Back

☐ Use Combo for Check box

Language: English

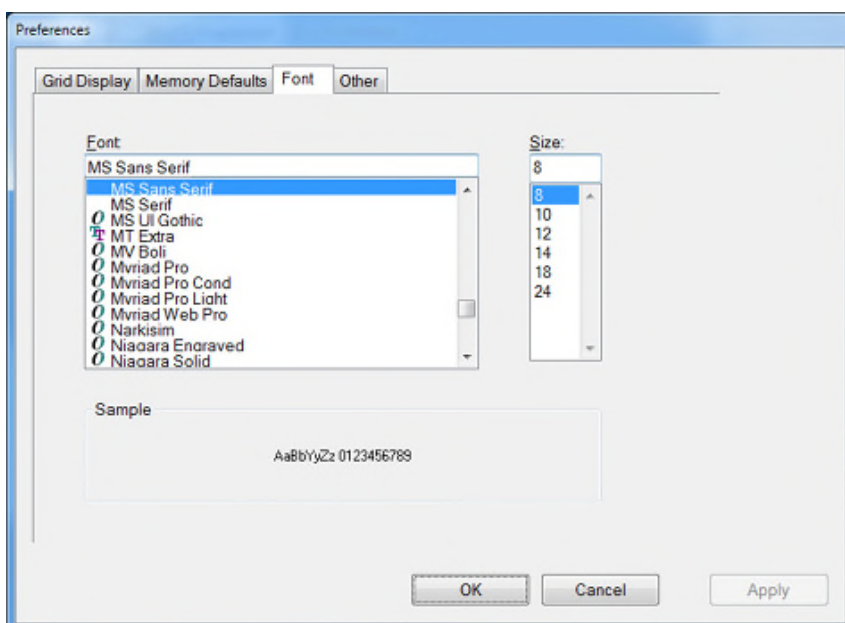
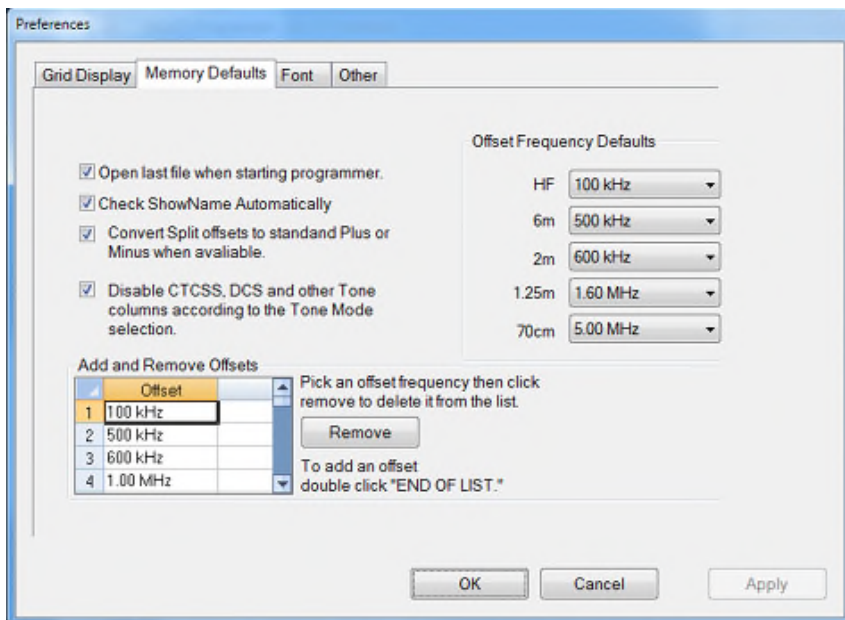
OK Cancel Apply

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.

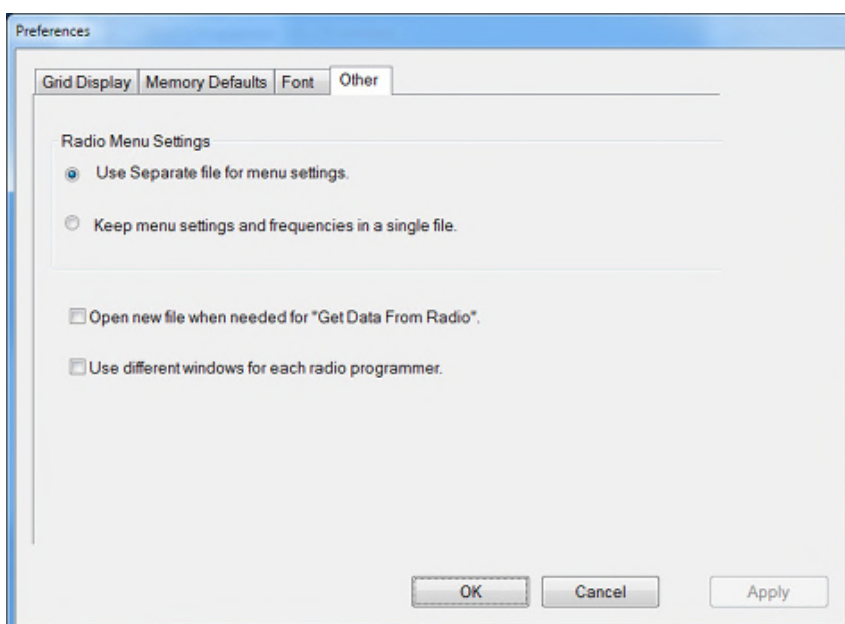
Memory Defaults

- 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