

### ADMS-2H Programming Software for the Yaesu FT-8900

| TT FT    | -8900 Program             | mer - FT-890           | 0 Sample            |                     |                        |           |              |         |                    |           |                |             |       |      |          |
|----------|---------------------------|------------------------|---------------------|---------------------|------------------------|-----------|--------------|---------|--------------------|-----------|----------------|-------------|-------|------|----------|
| <u> </u> | <u>E</u> dit <u>C</u> omm | nunications            | Settings V          | /indow <u>H</u>     | elp                    |           |              |         |                    |           |                |             |       |      |          |
|          | FT-8900 Sample X          |                        |                     |                     |                        |           |              |         |                    |           |                |             |       |      |          |
|          | Receive<br>Frequency      | Transmit<br>Frequency  | Offset<br>Frequency | Offset<br>Direction | Operating<br>Mode      | Name      | Show<br>Name | Tone    | Mode CTCSS         | DCS       | Clock<br>Shift | Tx<br>Power | Skip  | Mask | Comment  |
| 1        | 29.00000                  | 29.00000               |                     | Simplex             | AM                     |           |              | None    | 100.0 Hz           | 023       |                | High        | Off   |      |          |
| 2        | 50.00000                  | 50.00000               |                     | Simplex             | AM                     |           |              | None    | 100.0.0-           | 1000      |                | LIC-L       | 0"    |      |          |
| 3        | 144.01250                 | 144.01250              |                     | Simplex             | FM                     |           |              | None    | Memor              | v Cha     | nnel           | Fund        | tions |      |          |
| 4        | 144.02500                 | 144.02500              |                     | Simplex             | FM                     |           |              | None    | memor              |           | to righ        |             | lions | ·    |          |
| 5        | 144.03750                 | 144.03750              |                     | Simplex             | FM                     |           | <u> </u>     | None    |                    | (ieit     | to righ        | ()          |       |      |          |
| 6        | 144.05000                 | 144.05000              |                     | Simplex             | FM                     |           |              | None    | <b>Receive Fre</b> | auency    | /              | CTCSS       |       | F    |          |
| 7        | 050 00000                 | 050 00000              |                     | 0: 1                | ELL N                  |           |              |         |                    |           |                | 000         |       | _    |          |
| 8        | 350.00000<br>350.01250    | 350.00000<br>350.01250 |                     | Simplex             | FM Narrow<br>FM Narrow |           |              | None    | Transmit Fre       | equenc    | у              | DCS         |       | _    |          |
| 9<br>10  | 350.01250                 | 350.01250              |                     | Simplex<br>Simplex  | FM Narrow<br>FM Narrow |           |              | None    | Offset Frequ       | ency      |                | Clock S     | Shift |      |          |
| 11       | 300.02000                 | 300.02000              |                     | Simplex             | FM Narrow              |           |              | None    |                    |           |                |             |       |      |          |
| 12       | 430.03750                 | 430.03750              |                     | Simplex             | FM                     |           |              | None    | Offset Direct      | tion      |                | Tx Pow      | rer   |      |          |
| 13       | 430.05000                 | 430.05000              |                     | Simplex             | FM                     |           |              | None    | Operating N        | aha       |                | Skip        |       |      |          |
| 14       | 430.06250                 | 430.06250              |                     |                     |                        |           |              | None    |                    | louc      |                |             |       |      |          |
| 15       | 430.07500                 | 430.07500              |                     | temor               | y Types                |           |              | None    | Name               |           |                | Mask        |       |      |          |
| 16       | 430.08750                 | 430.08750              |                     | (left to            | right)                 |           |              | None    | Show Name          |           |                | Comme       | ont   |      |          |
| 17       | 430.10000                 | 430.10000              | Me                  | mories              |                        |           |              | None    | Show Marrie        |           |                | COIIIII     | SIIL  |      |          |
| 18       | 430.11250                 | 430.11250              |                     |                     |                        |           |              | None    | Tone Mode          |           |                |             |       |      |          |
| 19       |                           |                        | Lin                 | nit Memo            | ories                  |           |              |         |                    |           |                |             |       |      |          |
| 20       | 850.00000                 | 850.00000              |                     | me                  |                        |           |              | None    | 100.0 Hz           | 023       |                | High        | Off   |      |          |
| 21       | 850.01250                 | 850.01250              |                     | me                  |                        |           |              | None    | 100.0 Hz           | 023       |                | High        | Off   |      |          |
| 22       | 850.02500                 | 850.02500              | - Hv                | per Men             | nory 1 to 6            | <u>5</u>  |              | None    | 100.0 Hz           | 023       |                | High        | Off   |      |          |
| 23       | 850.03750                 | 850.03750              |                     | •                   | ,                      |           |              | None    | 100.0 Hz           | 023       |                | High        | Off   |      |          |
| 24       | 850.05000                 | 850.05000              |                     | Simplex             | FM Narrow              |           |              | None    | 100.0 Hz           | 023       |                | High        | Off   |      |          |
| 25       |                           | <b>6</b> 850.06250     |                     | Simplex             | FM Narrow              |           |              | None    | 100.0 Hz           | 023       |                | High        | Off   |      | <b>v</b> |
|          | Memor                     | ies 🖉 Limit Me         | mones ( Hom         | ie / Hyper N        | 1emory 1 📈 Hy          | per Memor | у 2 / Ну     | per Mem | ory 3 / Hyper Merr | ory 4 / H | per Me         |             |       |      |          |

The ADMS-2H 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:

- 799 Memory Channels
- 10 Limit Memories (5 pair)
- 6 Home Channels
- 6 Hyper Memories

### Other Menu Item Categories Include:

- Common
- DTMF

The Programmer Is for so Much More than Just Memory Management. With the ADMS-2H 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-2H Programming Software **Memory Types**

| Receive<br>Frequenc | y Frequency | Offset<br>Frequency | Offset<br>Direction | Operating<br>Mode | Name   | Show<br>Name | Tone Mode             | CTCSS | DCS     | Clock<br>Shift | Tx<br>Power | Skip | Mask | Comment |
|---------------------|-------------|---------------------|---------------------|-------------------|--------|--------------|-----------------------|-------|---------|----------------|-------------|------|------|---------|
|                     | 9           | •                   | -                   | •                 |        |              | •                     | •     | -       |                |             | •    |      |         |
|                     |             |                     | <u> </u>            |                   | Li     | mit N        | Aemory<br>(left to ri | Funct | ions    |                |             | _    |      |         |
|                     |             |                     |                     |                   | Recei  | ve Fre       | quency                | CTCS  | S       | -              |             |      |      |         |
|                     |             |                     |                     |                   | Trans  | mit Fre      | equency               | DCS   |         |                |             |      |      |         |
|                     |             |                     |                     |                   | Offset | Frequ        | ency                  | Clock | : Shift |                |             |      |      |         |
|                     |             |                     |                     |                   | Offset | Direct       | ion                   | Tx Po | wer     |                |             |      |      |         |
|                     |             |                     |                     |                   | Opera  | ting M       | ode                   | Skip  |         |                |             |      |      |         |
|                     |             |                     |                     |                   | Name   |              |                       | Mask  |         |                |             |      |      |         |
|                     |             |                     |                     |                   | Show   | Name         |                       | Com   | nent    |                |             |      |      |         |
|                     |             |                     |                     |                   | Tone   |              |                       |       |         |                |             |      |      |         |
|                     |             |                     |                     | l                 |        |              |                       |       |         |                |             |      |      |         |

### **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         | 900 Program               | mer - FT-890           | 0 Sample                  |                     |                   |           |              |             |             |           |                |             |         | x |
|----|--------------|---------------------------|------------------------|---------------------------|---------------------|-------------------|-----------|--------------|-------------|-------------|-----------|----------------|-------------|---------|---|
|    | <u>F</u> ile | <u>E</u> dit <u>C</u> omm | unications             | <u>S</u> ettings <u>W</u> | indow <u>H</u> e    | elp               |           |              |             |             |           |                |             |         |   |
|    | 2            | FT-8900 San               | nple ×                 |                           |                     |                   |           |              |             |             |           |                |             |         | • |
|    |              | Receive<br>Frequency      | Transmit<br>Frequency  | Offset<br>Frequency       | Offset<br>Direction | Operating<br>Mode | Name      | Show<br>Name | Tone Mode   | CTCSS       | DCS       | Clock<br>Shift | Tx<br>Power | Comment |   |
|    | 29           | 29.00000                  | 29.00000               |                           |                     | FM Narrow 👻       |           |              | None 💂      | 100.0 Hz    | • 023 💌   |                | High 💌      | 7       |   |
|    | 50           | 50.00000                  | 50.00068               |                           |                     | FM                |           |              | None        | 100.0 Hz    | 023       |                | High        |         |   |
| ıŀ | 144<br>350   | 144.00000<br>350.00000    | 144.00000<br>350.00000 |                           | Simplex<br>Simplex  | FM FM             | - F       | 11-1         |             |             |           |                | Hiah        |         | - |
|    | 430          | 430.00000                 | 430.00000              |                           | Simplex             | FM                |           | Ho           | me Mei      |             |           | ons            |             |         | - |
|    | 850          | 850.00000                 | 850.00000              |                           | Simplex             | FM                |           |              | (le         | ft to right | )         |                | r i         |         |   |
|    |              |                           |                        |                           |                     |                   |           | Receiv       | e Frequei   | псу         | Tone N    | lode           |             |         |   |
|    |              |                           |                        |                           |                     |                   |           | Transn       | nit Freque  | ncy         | CTCSS     |                |             |         |   |
|    |              |                           |                        |                           |                     |                   | (         | Offset       | Frequenc    | у           | DCS       |                |             |         |   |
|    |              |                           |                        |                           |                     |                   | (         | Offset       | Direction   |             | Clock S   | Shift          |             |         |   |
|    |              |                           |                        |                           |                     |                   | (         | Operat       | ing Mode    |             | Tx Pow    | /er            |             |         |   |
|    |              |                           |                        |                           |                     |                   |           | Name         |             |             | Comm      | ent            |             |         |   |
|    |              |                           |                        |                           |                     |                   |           | Show I       | Name        |             |           |                |             |         |   |
|    |              |                           |                        |                           |                     |                   |           | _            |             |             |           |                |             |         |   |
|    |              |                           |                        |                           |                     |                   |           |              |             |             |           |                |             |         |   |
|    |              |                           |                        |                           |                     |                   |           |              |             |             |           |                |             |         |   |
|    |              |                           |                        |                           |                     |                   |           |              |             |             |           |                |             |         |   |
|    |              |                           |                        |                           |                     |                   |           |              |             |             |           |                |             |         |   |
| ł  | • •          | Memori                    | ies 🖌 Limit Me         | mories Hom                | e Hvper M           | lemory 1 Hyp      | er Memorv | 2 / Hype     | er Memory 3 | Hyper Memo  | oru 4 Huc | er Me          | 4           |         |   |
| Ľ  |              |                           | Lana Mo                |                           | - nyporn            | сэң түр           |           |              |             | ypor mome   |           |                | •1          |         |   |

### 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.



|              | Receive<br>Frequency | Transmit<br>Frequency | Offset<br>Frequency | Offset<br>Direction | Operating<br>Mode | Tone Mode | CTCSS                        | DCS     | Step     | Clock<br>Shift | Tx<br>Power | Comment            |  |
|--------------|----------------------|-----------------------|---------------------|---------------------|-------------------|-----------|------------------------------|---------|----------|----------------|-------------|--------------------|--|
| L-29         | 29.00000             | 29.00000              |                     | Simplex 🗖           | FM Narrow 👻       | Nano      | 👻 100.0 Hz 👻                 | 023 🖵   | 5 kHz 💌  |                | High 💌      |                    |  |
| L-50         | 50.00000             | 50.00000              |                     | Simplex             | FM                | None      | 100.0 Hz                     | 023     | 10 kHz   |                | High        |                    |  |
| 144          | 144.00000            | 144.00000             |                     | Simplex             |                   | None      | 100.044                      | 023     | 5 kHz    |                | High        |                    |  |
| -350         | 350.00000            | 350.00000             |                     | Simplex             |                   | None      | 100.0 Hz                     | 023     | 12.5 kHz |                | High        |                    |  |
| 430          | 430.00000            | 430.00000             |                     | Simplex             |                   | None      | 100.0 Hz                     | 023     | 25 kHz   |                | High        | Huper Memories 1 6 |  |
| 850          | 850.00000            | 850.00000             |                     | Simplex             |                   | None      | 100.0 Hz                     | 023     | 12.5 kHz |                | High        | Hyper Memories 1-6 |  |
| -144<br>-430 | 144.00000            | 144.00000             |                     | Simplex             |                   | None      | 100.0 Hz                     | 023     | 5 kHz    |                | High        | VFO Channels       |  |
| -430         | 430.00000            | 430.00000             |                     | Simplex             | FM                | None      | 100.0 Hz                     | 023     | 25 kHz   |                | High        | VFO Channels       |  |
|              |                      |                       |                     |                     |                   |           |                              |         |          |                |             | Function Settings  |  |
|              |                      |                       | Left                | Right               |                   |           |                              |         |          | -              |             |                    |  |
|              |                      | Mode                  |                     | VFO                 |                   | Auto      | Repeater Split               | V       |          |                |             |                    |  |
|              |                      | DTMF #                |                     | 1                   |                   |           | Auto AM                      | V       |          |                |             |                    |  |
|              |                      | Memory #              | 1<br>144 MHz        | 430 MHz             |                   |           | VFO Tracking<br>FO Band Edge |         |          |                |             |                    |  |
|              |                      | Home return           |                     | VF0                 |                   | VI        |                              | 1 · APO |          |                |             |                    |  |
|              |                      | riome retain          |                     | *10                 |                   |           |                              | Right   |          |                |             |                    |  |
|              |                      |                       |                     |                     |                   |           | Packet Band                  |         |          |                |             |                    |  |
|              |                      |                       |                     |                     |                   |           | Packet Speed                 |         | s        |                |             |                    |  |
|              |                      |                       |                     |                     |                   |           | Sub Display                  |         |          |                |             |                    |  |

### Hyper Memory 1 to 6

**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** - Six 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.



# ADMS-2H Programming Software **Radio Option Setting Screens**

| Menu Settings for FT-890               | 0 - Untitled.rsf |                  | ×              |
|--|------------------|------------------|----------------|
| <u>F</u> ile <u>T</u> abs <u>H</u> elp |                  |                  |                |
| Common DTMF                            |                  |                  |                |
| V Beep                                 | Dimmer           | Mute             | Time Out Timer |
| Lock                                   | Dim 1 👻          | Off 🗾            | 6 Minutes 🛛 🔻  |
| 🔽 VFO Band Edge                        | DCS Reverse      | PTT Lock         | Scan Resume    |
|  | TBx N 🔻          | Off 🗸 🗸          | Time 🔻         |
| Auto Power Off                         | Internet         | P1               | Left Speaker   |
| Off 👻                                  | Mode             | Band 🔻           | External 👻     |
| ARTS                                   | Code 🔻           | P2               | Right Speaker  |
| Mode                                   | DTMF Digit       | VFO/MR -         | External 👻     |
| In Range 🔻                             | 0 🔻              |                  |                |
| CWID                                   | DTMF Memory      | P3<br>Tone       | Left RF Sql    |
|  | D2 🔻             |                  |                |
| CWID                                   | Hyper Write      | P4               | Right RF Sql   |
|  | Manual 👻         | Low 🔻            | Off 🔻          |
|  | Microphone       | 'Right' Band Key |                |
|  | MH-48 👻          | Key 1 👻          |                |
|  |                  |                  |                |

### 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-8900 - Un         | titled.  | rsf  | × |
|--|----------|------|---|
| <u>F</u> ile <u>T</u> abs <u>H</u> elp |          |      |   |
| Common DTMF                            |          |      |   |
| DTMF Settings                          |          |      |   |
| Delay 450 ms 🔻                         | 1        | DTMF |   |
|  | 2        |      |   |
| Speed 50 ms 🔻                          | 3        |      |   |
|  | 4        |      |   |
|  | 5        |      |   |
|  | 6        |      |   |
|  | 7        |      |   |
|  | 8        |      |   |
|  | 9        |      |   |
|  | 10       |      |   |
|  | 11       |      |   |
|  | 12       |      |   |
|  | 13       |      |   |
|  | 14<br>15 |      |   |
|  | 16       |      |   |
|  | 10       |      |   |
|  |          |      |   |
|  |          |      |   |

### DTMF

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



## ADMS-2H Programming Software **Preferences – Version 4.50**

| Preferences                      |                           |       |
|----------------------------------|---------------------------|-------|
| Grid Display Memory Defaults Fon | ont Other                 |       |
| Freeze 1                         | Mark the columns to hide. |       |
| Freeze 1                         | Column Hide 🔺             |       |
| Alternate row                    | Transmit Frequency        |       |
| Alternate row                    | Offset Frequency          |       |
| 1 Bow 1                          | Offset Direction          |       |
| 2 Row 2                          | Name 🗖                    |       |
| 3 Row 3                          | Tone Mode                 |       |
| 4 Row 4                          | CTCSS                     |       |
|                                  | Rx CTCSS                  |       |
| Fore Back                        | DCS                       |       |
|                                  | Tx Power                  |       |
|                                  | Busy Channel Lockout      |       |
| Use Combo for Check box          | Skip                      |       |
|                                  | Clock Shift               |       |
| Language:                        | Battery Save              |       |
| English -                        | Comment                   |       |
| Ligion                           |                           |       |
|                                  |                           |       |
|                                  |                           |       |
|                                  | 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.

| 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                                      | 1.25m         | 1.60 MHz -    |       |
| columns according to the Tone Mode<br>selection.                       | 70cm          | 5.00 MHz -    |       |
| Add and Remove Offsets   |               |               |       |
| Offset   |               |               |       |
| 1 100 kHz<br>2 500 kHz<br>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   |
|---|
| Grid Display Memory Defaults Font Other   |
| Eont     Size:       MS Sans Serif     8       MS Serif     10       MS Ul Gothic     10       T MT Extra     10       MV Boli     12       Mvriad Pro     14       Mvriad Pro Cond     18       Wriad Pro Liaht     14       Mvriad Pro Solid     10       Mvriad Pro Solid     10       Mvriad Pro Solid     10       Sample     10 |
| AaBbYyZz 0123456789   |
| OK Cancel Apply   |

Preferences

Grid Display Memory Defaults Font Other

Use Separate file for menu settings.

Keep menu settings and frequencies in a single file.

Open new file when needed for "Get Data From Radio".

Use different windows for each radio programmer.

Radio Menu Settings

### 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.



- 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.



OK

Cancel

Apply

### **THE NETHERLANDS** | **Roermond** Tel. +31 (0)475-327390

www.classicinternational.eu

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