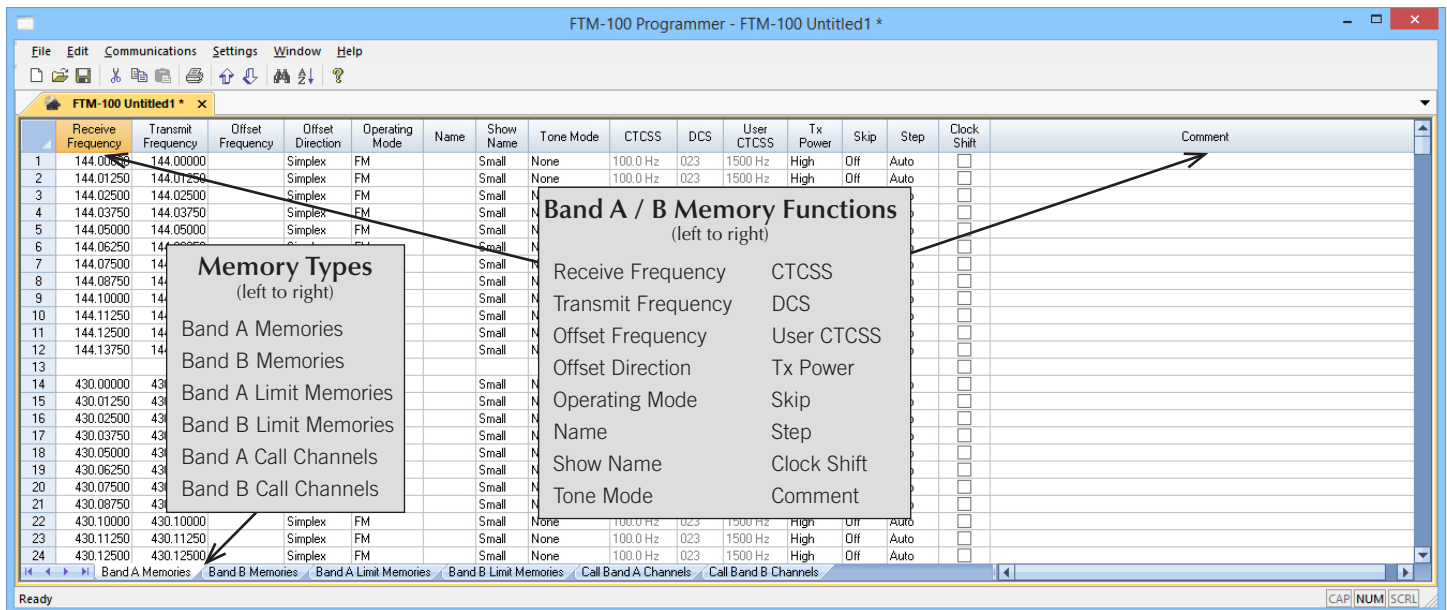




The ADMS-M100 Programmer is designed to give you the ease and convenience of programming the memories and set menu options of your FTM-400 radio from your PC.

Memory Channels Include:

- 500 Band A Memory Channels
- 500 Band B Memory Channels
- 18 Band A Limit Memories (9 pair)
- 18 Band B Limit Memories (9 pair)
- 5 Band A Call Channels
- 5 Band B Call Channels

Other Menu Item Categories Include:

- Common 1 and 2
- DTMF/Internet
- APRS
- APRS Beacon
- Group Messaging

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

With the ADMS-M100 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 to a SD Card to transfer 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 radio becomes easy with the Programmer. The cut, copy, paste and insert features of the Programmer make channel management easier than ever.

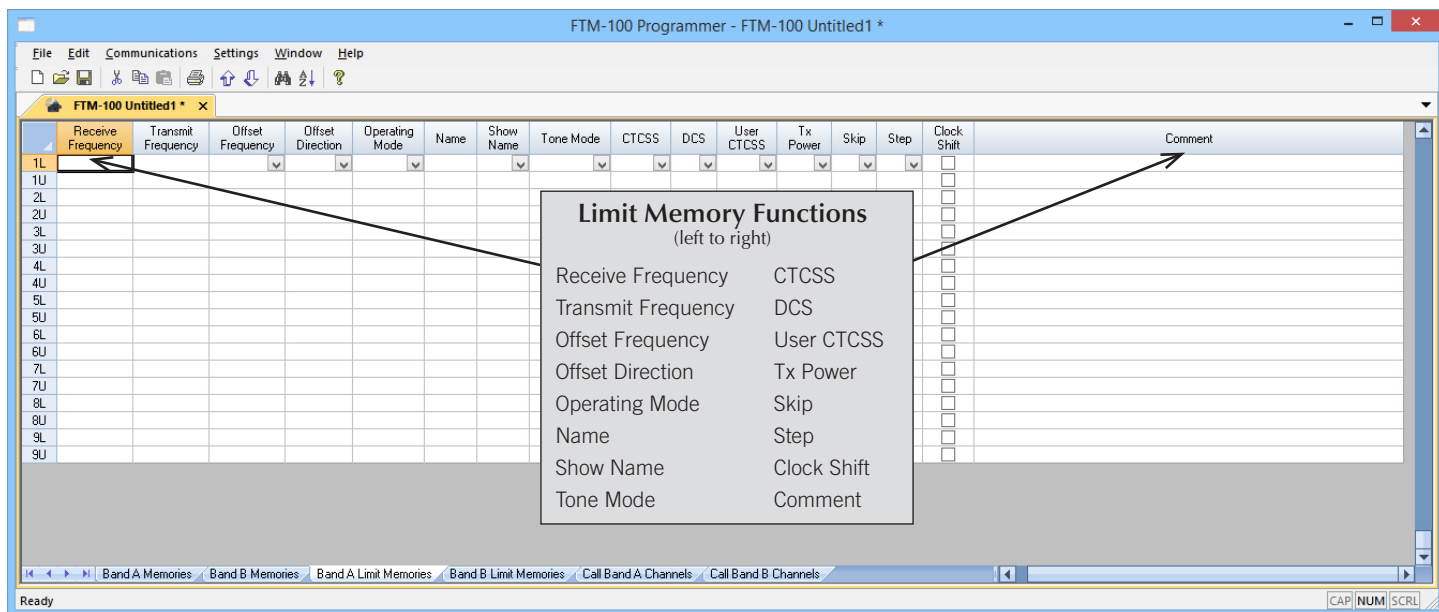
Open more than one file at a time. Memory channel information can be copied from one file to another within the Programmer making it really easy to set up a new file.



Hardware Requirements:

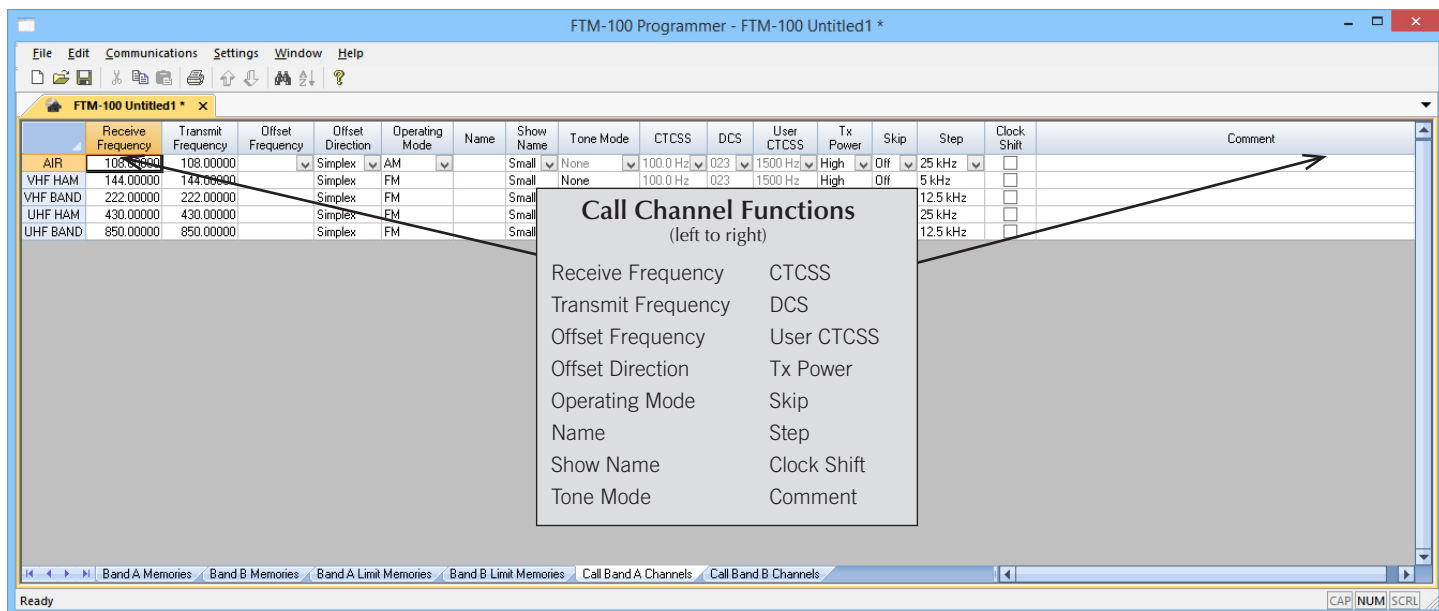
A PC running A PC running XP SP3 (32 or 64 bit), Windows 7 (32 or 64 bit), Windows 8 or 8.1 (full version) or Windows 10. Local USB port and a micro SD Card and reader.





Limit Memories A and B

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



Call Channels A and B

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.

Menu Settings for FTM-100 - Untitled.rsf

File Tabs Help

Common 1 Common 2 DTMF / Internet APRS APRS Beacon Group Messaging

Config

Band A

- ☒ Auto Repeater Shift
- Rx Coverage: Normal

Band B

- ☒ Auto Repeater Shift
- Rx Coverage: Normal

Auto Power Off

- Auto Power Off: Off
- Beep: Low
- Time Format: 12 Hour
- Time Out Timer: 3 minutes

GPS Datum

- GPS Datum: WGS-84
- GPS Log: Off
- Time Zone: -14:00
- Unit: Inch

Display

- APRS Compass: Heading Up
- LCD Brightness: Max
- LCD Contrast: 0
- GPS Info: Location
- Sub Display: Sub Band

Bluetooth

- Audio: Auto
- Battery: Normal
- PTT Mode: Momentary
- Gain: PTT

Mic Keys

- P1: Sq Off
- P2: Home
- P3: D_X
- P4: Tx Power

Voice Memory

- Play/Rec: Free 5 min
- Language: English
- Announce: Auto
- Volume: High

Call sign:

Common 1 and 2

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 FTM-100 - Untitled.rsf

File Tabs Help

Common 1 Common 2 DTMF / Internet APRS APRS Beacon Group Messaging

Scan

Band A

- Memory Scan: All Memory
- Scan Resume: Busy
- Dual Watch Stop: Auto
- Dual Watch Mode: 5.0 seconds

Band B

- Memory Scan: All Memory
- Scan Resume: Busy
- Dual Watch Stop: Auto
- Dual Watch Mode: 5.0 seconds

Signaling

Band A

- Squelch: Level 1
- ☐ Sq Expansion
- Bell Ringer: Off
- ☐ Weather Alert
- Active Channel: 162.550 MHz

Band B

- Squelch: Level 1
- ☐ Sq Expansion
- Bell Ringer: Off
- ☐ Weather Alert
- Active Channel: 162.550 MHz

Pager

- Receive Codes: 05 - 77.0 Hz, 47 - 233.6 Hz
- Transmit Codes: 05 - 77.0 Hz, 47 - 233.6 Hz

Tx / Rx

Digital

- ☒ Location Service
- AMS Tx Mode: Tx Manual
- Squelch Type: Off
- Squelch Code: 1
- Popup Time: BND 10 secs

Audio

- ☐ Standby Beep
- Mic Gain: Normal

Menu Settings for FTM-100 - Untitled.rsf

File Tabs Help

Common 1 Common 2 DTMF / Internet APRS APRS Beacon Group Messaging

DTMF Settings

- Auto Dialer: Manual
- Band A Channel: 1
- Band B Channel: 1

Code
1
2
3
4
5
6
7
8
9

Internet (Wires) Settings

- Rpt/Wires Freq: Manual
- Search Setup: History
- Preset Frequency: 146.550

Category Tag
1
2
3
4
5

DTMF/ Internet

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

Menu Settings for FTM-100 - Untitled.rsf

File Tabs Help

Common 1 Common 2 DTMF / Internet APRS APRS Beacon Group Messaging

My Callsign:

My Symbols:

- 1 ☒ /> Car
- 2 ☐ /R Rec Vehicle
- 3 ☐ /- House QTH (VHF)
- 4 ☐ YY User Symbol

Position Comment: Off Duty

Message Popup: 10 seconds

☒ Tx Message Ringer

☒ Rx Message Ringer

APRS Modem On: ☐

APRS Speed: 1200 bps

APRS Band: B-Band Fix

APRS Squelch: Rx Band

APRS Compass: Heading Up

APRS Mute: Off

Latitude: N 00°00.00 Longitude: E 000°00.0

My Position: GPS

Digi Path:

☐ Off

☒ Wide1: -1 Wide2: -1

Message Reply:

☐ Enable Callsign:

Text:

Comport Speed: 9600 bps

Waypoint Format: NMEA3

Comport Output: Off (Camera)

Waypoint Filter: ALL

Tx Delay: 250 ms

Set	Message Text
1 ☒	
2 ☐	
3 ☐	
4 ☐	
5 ☐	
6 ☐	
7 ☐	
8 ☐	

Message Group
G1 ALL
G2 CQ
G3 QST
G4 YAESU
G5
G6
B1 BLN?
B2 BLN?
B3 BLN?

APRS

With so many set menu items controlling this advanced function of the radio, the settings file has three screens to hold the check boxes, drop-down lists and edit boxes.

Menu Settings for FTM-100 - Untitled.rsf

File Tabs Help

Common 1 Common 2 DTMF / Internet APRS APRS Beacon Group Messaging

☒ Tx Beacon Ringer

☒ Rx Beacon Ringer

☒ My Packet Ringer

☐ Message Voice Ringer

Beacon TX: Off

Beacon Interval: 5 minutes

Low Speed: 3 km/h(mi/h)

Smart Beacon Type: Off

Beacon Popup: 10 seconds

☐ My Packet Popup

☒ Proportional

☒ Decay

Smart Beacon Setting:

Type 1	Type 2	Type 3	Limits
Low Speed: 5 mph	5 mph	5 mph	2 ~ 30
High Speed: 70 mph	70 mph	70 mph	3 ~ 70
Slow Rate: 30 min	30 min	30 min	1 ~ 100
Fast Rate: 120 sec	120 sec	120 sec	10 ~ 180
Turn Angle: 28 deg	28 deg	28 deg	5 ~ 90
Turn Slope: 26	26	26	1 ~ 255
Turn Time: 30 sec	30 sec	30 sec	5 ~ 180

☐ Call Ringer

Rate Limit: 30 seconds

Range Ringer: Off

Status Text Tx Rate: 1/1

Beacon Filter:

☒ Mic E

☒ Position

☒ Weather

☒ Object

☒ Item

☒ Status

☐ Other

☐ ALTNNet

Range Limit: Off

☒ Tx Speed/Course

☒ Tx Altitude

Ambiguity: Off

Units:

Altimeter: feet

Distance: mile

Position: DD MM'S'

Speed: mph

Temp: F

Rain: inch

Wind: mph

Barometer: mb

Set	Beacon Status Text	Additional
1 ☐		None
2 ☐		None
3 ☐		None
4 ☐		None
5 ☐		None

APRS Beacon

Customize additional features of the FTM-100 model radio for advanced APRS functions.

Menu Settings for FTM-100 - Untitled.rsf

File Tabs Help

Common 1 Common 2 DTMF / Internet APRS APRS Beacon Group Messaging

Groups:

Selected Group:

GROUP 01

Add Group

Rename Group

Delete Group:

Call Sign
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24

Insert

Delete

Clear All

Save Group

Message
1
2
3
4
5
6
7
8
9
10

☐ Range Ringer

☒ Message Popup

Group Messaging

Set options and messages for Group Monitor functions.

The screenshot shows the 'Grid Display' tab of the 'Preferences' dialog. It includes a 'Freeze' spinner set to 1, an 'Alternate row' table with rows 1-4 labeled 'Row 1' through 'Row 4', and a 'Language' dropdown set to 'English'. A 'Mark the columns to hide' table lists various fields with checkboxes. The 'OK', 'Cancel', and 'Apply' buttons are at the bottom.

Column	Hide
Transmit Frequency	☐
Offset Frequency	☐
Offset Direction	☐
Name	☐
Tone Mode	☐
CTCSS	☐
Rx CTCSS	☐
DCS	☐
Tx Power	☐
Busy Channel Lockout	☐
Skip	☐
Clock Shift	☐
Battery Save	☐
Comment	☐

Grid Display

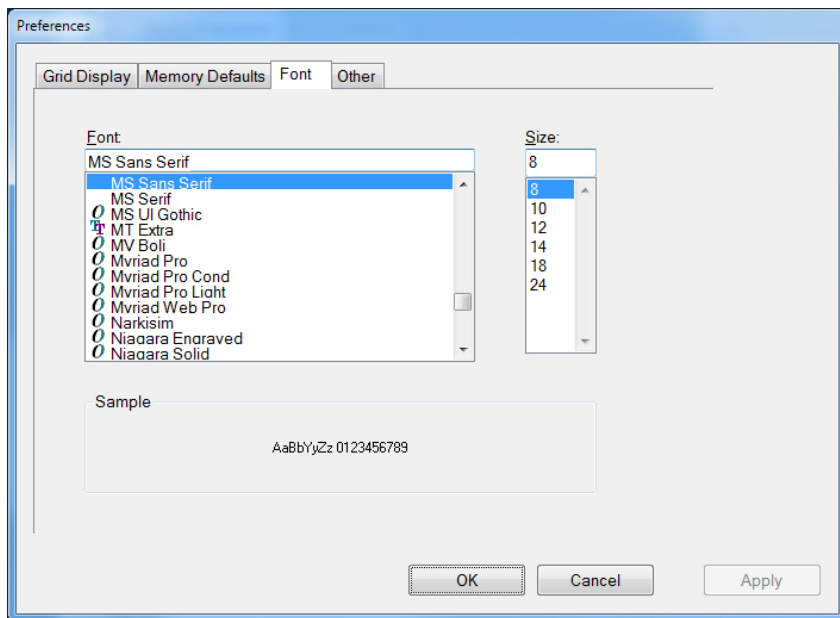
- RT Systems now available in English, French, German, Italian, Spanish, Portuguese and Japanese.
- Set colors for text (Fore) or background (Back) of alternate rows for easier viewing across the columns.
- Freeze columns to keep information on the screen as you scroll to the right of the page.
- Hide columns you don't use. Customize your print-out: hidden columns do not print.
- Use Combo for Check boxes – changes the grid to eliminate check box selections that are disabled on some systems.

The screenshot shows the 'Memory Defaults' tab of the 'Preferences' dialog. It includes several checked options: 'Open last file when starting programmer.', 'Check ShowName Automatically', 'Convert Split offsets to standard Plus or Minus when available.', and 'Disable CTCSS, DCS and other Tone columns according to the Tone Mode selection.'. It also features 'Offset Frequency Defaults' dropdowns for HF, 6m, 2m, 1.25m, and 70cm bands. An 'Add and Remove Offsets' table lists 100 kHz, 500 kHz, 600 kHz, and 1.00 MHz. The 'OK', 'Cancel', and 'Apply' buttons are at the bottom.

Offset
1 100 kHz
2 500 kHz
3 600 kHz
4 1.00 MHz

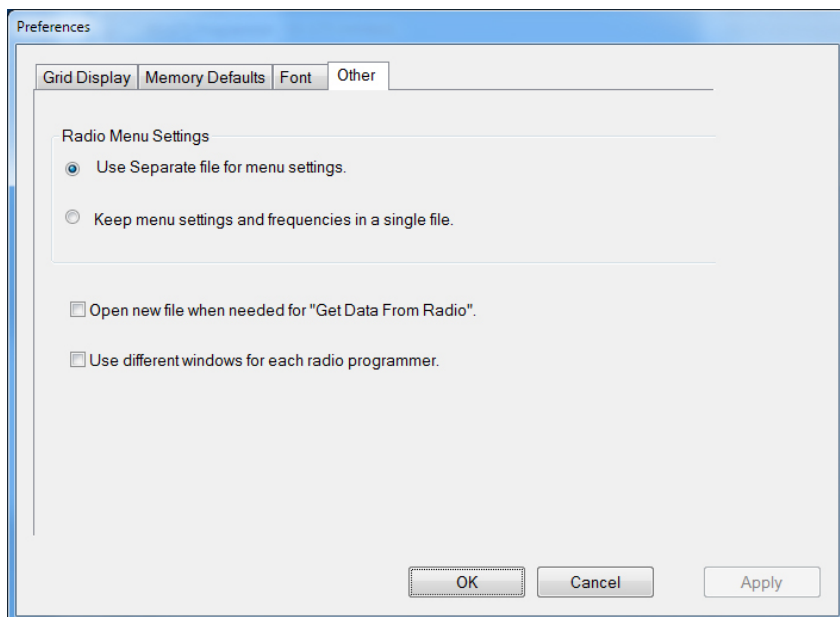
Memory Defaults

- 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.