



Amateur Radio Programming Software (Fully Decoded)

Agenda

- Advantages of Programming Software
- Review of Software Available:
 - CHIRP
 - RT Systems
 - Manufacturer Software (Yaesu ADMS)
- Strengths & Limitations

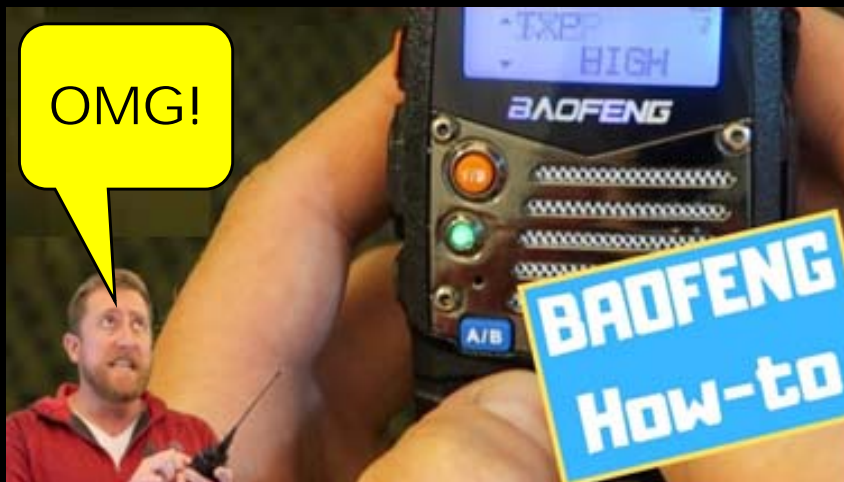


**Select the Programming Software
that BEST Meets your Amateur
Radio Needs**



So why do we need amateur radio programming software?

Have you tried to Manually Program an Amateur Radio Lately?



- It can be **QUITE** a challenge!
- The instructions can be **COMPLICATED!**

After hours of frustration

**Now days to
program an amateur radio**



**Thank goodness there is Amateur Radio
Programming Software available!**

Programming Software

- Programming software makes the job MUCH easier
- Avoids hundreds of key pushes on the TINY keyboard
- You no longer need to try and decipher the cryptic instructions in the manual that came with your radio



Programming Software

- Makes cloning & editing a breeze
- Copy programs from one make/model of radio to another
- Easily import frequencies from **RepeaterBook** and **RadioReference.com**
- *Program repeaters by proximity or political subdivision*



A Comparison of Current Software Products

Programming Software

Volunteer Effort



- CHIRP is a **FREE**, open-source tool for programming amateur radios.
- **It is supported by volunteers** who develop and maintain the code.

Software Company



- Established in 1995.
- Totally devoted to amateur radio programming
- All products extensively tested

Radio Manufacturer



- Well established manufacturer of amateur radio equipment
- Highly reliable ADMS programming software provided for most models

Programming Software



- 63 Brands of Radios
- Open Sourced
- Software: **FREE**



- 48 Brands of Radios
- Proprietary
- Software: **\$25** (per radio family)
- Special Program
Cable: **\$30** (per radio family)



- Supports Yaesu Models
- Proprietary
- Software: **FREE**
- Programming cable supplied with some models (i.e. FT-70D)

Programming Software (Strengths)



- **FREE**
- One software pack programs a **WIDE** variety of radios
- Powerful import features



- Available for **WIDE** variety of radios
- Powerful import feature
- Programs 100% of channel and ALL radio options
- Full Support Staff



- **FREE**
- **VERY EASY** to use
- Programs 100% of channel and **MOST** radio options
- Full Support Staff

Programming Software (Limitations)



- **Buggy** (497 open issues ... 229 are to fix bugs)
- Doesn't program ALL channel and radio options
- **Some program cables don't work (driver issues)**
- Delayed availability for newer radio models

- Cost
- Different software required for different makes/models
- Special cable needed

- Only supports Yaesu
- Different software required for different makes/models
- Limited features
- Doesn't quite program all radio options

Current CHIRP BUG LIST

(partial)

✓ #	Tracker ▲	Status	Priority	Subject	Updated
<input type="checkbox"/> 10074	Bug	Resolved	Normal	[RT76P] Stray Code in Driver	10/10/2022 05:14 pm
<input type="checkbox"/> 10073	Bug	Feedback	Normal	ANYSECU WP-9900 programming read attempt brings up "bad ack from radio" error.	10/10/2022 11:30 am
<input type="checkbox"/> 10072	Bug	Resolved	Normal	[RT76P] Driver doesn't support "special characters " in channel names.	10/10/2022 05:13 pm
<input type="checkbox"/> 10068	Bug	New	Normal	RepeaterBook download 70cm	10/04/2022 10:50 am
<input type="checkbox"/> 10066	Bug	New	Immediate	Chirp Stops, Not responding when signing into RadioReffernce to Query Radio Reference	10/04/2022 12:38 am
<input type="checkbox"/> 10065	Bug	Feedback	Normal	Retevis RB27 with repeaters	10/05/2022 12:17 pm
<input type="checkbox"/> 10064	Bug	Feedback	Normal	"An integer is required" error	10/03/2022 11:24 pm
<input type="checkbox"/> 10062	Bug	New	Normal	Yaesu FTM3100	09/28/2022 03:59 pm
<input type="checkbox"/> 10061	Bug	New	High	IC 910H	09/27/2022 09:21 pm
<input type="checkbox"/> 10056	Bug	New	Normal	Export to CSV not exporting all appropriate fields	09/26/2022 11:19 pm
<input type="checkbox"/> 10055	Bug	New	Normal	POFUNG (BAOFENG) BF-9500 (400-470 MHz), 50Bt	09/25/2022 05:37 pm
<input type="checkbox"/> 10054	Bug	Feedback	Normal	UV-82 not displaying 'settings' in CHIRP	09/25/2022 11:12 pm
<input type="checkbox"/> 10052	Bug	Resolved	Normal	flatpak and .gz no go on Debian Bullseye	09/24/2022 03:37 pm
<input type="checkbox"/> 10047	Bug	Feedback	Normal	Baofeng UV5R: + / - Offsets display simultaneously	09/19/2022 04:40 pm
<input type="checkbox"/> 10046	Bug	New	Normal	Not show memories from 1 to 58	09/17/2022 04:21 pm
<input type="checkbox"/> 10042	Bug	New	High	firmware version ERROR	09/17/2022 01:51 am
<input type="checkbox"/> 10041	Bug	Resolved	Normal	How do I print	09/22/2022 10:55 pm
<input type="checkbox"/> 10040	Bug	Feedback	Normal	Latest version will not open older BAOFENG BF-888S but will open newer radios Veriso 4 will open older BAOFENG BF-888S	09/17/2022 03:03 pm
<input type="checkbox"/> 10036	Bug	New	Normal	Wouxun KG-935G xmit off GMRS channels	10/01/2022 08:12 pm
<input type="checkbox"/> 10034	Bug	Feedback	Normal	IC-80AD	09/12/2022 10:20 pm
<input type="checkbox"/> 10030	Bug	Feedback	Normal	Radio not downloading correct frequencies	09/10/2022 04:42 pm
<input type="checkbox"/> 10022	Bug	Feedback	High	saves	09/02/2022 03:16 am
<input type="checkbox"/> 10017	Bug	Feedback	Normal	BTECH GMRS-20V2 does not export or import Cross tone mode	08/31/2022 08:32 pm
<input type="checkbox"/> 10015	Bug	Feedback	Normal	Can't get install to work on Chromebook	08/30/2022 06:52 pm
<input type="checkbox"/> 10007	Bug	Resolved	Normal	Corrupt installer error.	09/01/2022 01:09 am

Not downloading correct frequencies ... RepeaterBook download not working.....stops responding.....corrupt installer.....Baofeng UV-82 not displaying correct settings

Programming Software

(Overall Ratings)



SATISFACTORY

- Assuming you don't mind a few program bugs or program settings limitations



BEST OVERALL

- Full featured and reliable but highest cost



QUITE ADEQUATE

- Assuming you don't need all the "whistles & Bells"

The Cadillac of
Programming Software

Regarding Manufacturer-Based Programming Software



The software has limited features, but, gets the job done!



**If you are only programming
one brand of radio and don't need all the
whistles & bells:**

**The manufacturer's software is
the simplest, cheapest, and
HIGHLY reliable**

Now lets take a look at

CHIRP Programming Software

using the FT-70D setup program

CHIRP: Avoiding Cable Issues

- Avoid USB programming cables that appear to be based on the Prolific PL-2303 USB chip
- This chip has been cloned & counterfeited in Chinese cables
- Cables based on the FTDI USB chip are recommended
- *RT Systems cables are a good option for use with CHIRP*





Supported Radios

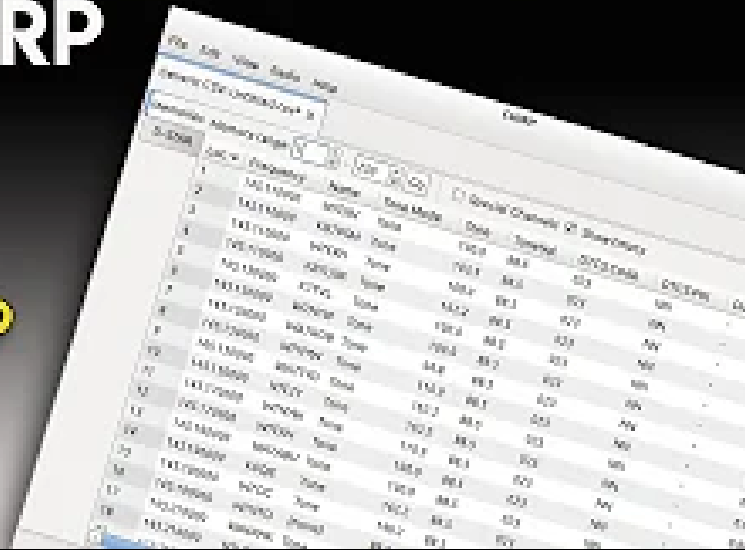
Chirp has the **LARGEST** library of supported radios including ICOM, Kenwood, and Yaesu. *Remember though, **one size fits all doesn't mean it fits well.***



- CHIRP's focus is on reading and writing memory channels
- This enables exchanging programming information between dissimilar radios.
- It does **NOT** focus on supporting every single knob and radio setting

RADIO PROGRAMMING USING CHIRP

IN A FEW
EASY STEPS



Download

YES

Edit

YES

Import

YES

Upload

YES

Cross
Program

*Yes

ALL Radio Channels/Settings Programmed: **NO**

* Not all memory options & global options supported

[<<< Back to the main CHIRP website...](#)

Available for download from the CHIRP Web Site

[BaoFengTech](#) supports the CHIRP project. If you are in the market for radios or accessories, please consider giving them your business!

	Name	Last modified	Size	Description
	Parent Directory		-	
	Model_Support.html	08-Aug-2022 07:05	1.2M	
	SHA1SUM	08-Aug-2022 07:05	431	
	chirp-daily-20220808-installer.exe	08-Aug-2022 07:05	11M	Windows Installer (recommended)
	chirp-daily-20220808-win32.zip	08-Aug-2022 07:05	13M	Windows in-place application
	chirp-daily-20220808.flatpak	08-Aug-2022 07:05	18M	
	chirp-daily-20220808.tar.gz	08-Aug-2022 07:05	1.0M	Source Tarball
	chirp-unified-daily-20220808.app.zip	08-Aug-2022 07:05	30M	MacOS Unified Application (recommended)



Confused about what to download?

For more information, see the [Download](#) page! Quick summary:

- Windows users will want the **installer.exe** file
- MacOS users will want the **unified-daily app** and should see the [MacOS Tips](#) page for more information about how Apple has made life difficult.
- Linux users will want the **tar.gz** file or the **flatpak** file

CHIRP

File Edit View Radio Help


Yaesu FT-70D: Yaesu_FT-70D_20220814.img RepeaterBook:

Not all channel settings are included

Memories Memory Range: 1 - 900 Refresh Special Channels Show Empty Properties

Banks	Loc	Frequency	Name	Tone Mode	Tone	DTCS Code	Duplex	Offset	Mode	Power	Tune Step	Skip
Bank Names	1	147.195000		TSQL	107.2			0.600000	FM	Hi	0.0	S
Settings	2	147.195000								Hi	0.0	S
	3	146.520000								Low	0.0	S
	4	146.490000								Hi	0.0	S
	5	147.420000								Mid	0.0	S
	6	145.190000								Hi	0.0	S
	7	146.670000								Hi	0.0	S
	8	146.790000								Hi	0.0	S
	9	147.285000								Hi	0.0	S
	11	444.675000								Hi	25.0	S
	12	444.675000								Low	25.0	S
	13	446.000000								Low	25.0	S
	14	446.100000								Low	25.0	S
	20	154.130000								Hi	0.0	S
	21	155.640000	EMS	TSQL	74.4		(None)		FM	Hi	0.0	S
	22	154.960000	LAW	TSQL	173.8		(None)		FM	Hi	0.0	S

Yaesu FT-70D Instructions



1. Turn radio on.
2. Connect cable to DATA terminal.
3. Unclip battery.
4. Press and hold in the [AMS] key and power key while clipping the battery back.
5. After clicking OK, press the [BAND] key.

Don't show instructions for any radio again

OK

11 Columns

Primary Display

Upload & Download Functions

The screenshot shows the CHIRP software interface. The 'Radio' menu is open, and 'Import From Data Source' is selected. A sub-menu is visible, listing several data sources: DMR-MARC Repeaters, RadioReference, RepeaterBook, przenienniki.net, and RFinder. The background shows a table of radio channels with columns for frequency, tone, and other settings.

Loc	Frequency	Tone	Offset	Mode
1	146.490000	(None)	(None)	FM
2	147.420000	Tone	203.5	FM
3	145.190000	TSQ	107.2	FM
4	146.670000	TSQ	91.5	FM
5	146.790000	TSQ	88.5	FM
6	147.285000	TSQ	107.2	FM
7	444.675000	TSQ	107.2	25.0
8	444.675000	Tone	107.2	25.0
9	446.000000	(None)	(None)	25.0

Import frequencies and setup information from other sources

The screenshot shows the CHIRP software interface. The 'Radio' menu is open, and 'Import From Stock Config' is selected. A sub-menu is visible, listing various stock configurations: DE Freenet Frequencies, EU LPD and PMR Channels, FR Marine VHF Channels, KDR444, NOAA Weather Alert, SE Jaktradio 155MHz, UK Business Radio Simple Light Frequencies, US 60 meter channels (Center), US 60 meter channels (Dial), US CA Railroad Channels, US Calling Frequencies, US FRS and GMRS Channels, US Marine VHF Channels, and US MURS Channels. The background shows a table of radio channels.

Loc	Frequency	Tone	Offset	Mode
1	146.490000	(None)	(None)	0.0
2	147.420000	Tone	203.5	0.0
3	145.190000	TSQ	107.2	0.0
4	146.670000	TSQ	91.5	0.0
5	146.790000	TSQ	88.5	0.0
6	147.285000	TSQ	107.2	0.0
7	444.675000	TSQ	107.2	25.0
8	444.675000	Tone	107.2	25.0
9	446.000000	(None)	(None)	25.0

Import frequencies and setup information from other sources

Bank	Loc	Frequency	Name	Tone Mode	Tone	DTCS Code	Duplex	Offset	Mode	Power	Tune Step	Skip
1		147.195000		TSQL	107.2		+	0.600000	FM	Hi	0.0	S
2		147.195000		Tone	107.2		(None)		FM	Hi	0.0	S
3		146.520000		(None)			(None)		FM	Low	0.0	S
4		146.490000		(None)			(None)		FM	Hi	0.0	S
5		147.420000		Tone	203.5		(None)		FM	Mid	0.0	S
6		145.190000		TSQL	107.2		-	0.600000	FM	Hi	0.0	S
7		146.670000		TSQL	91.5		-	0.600000	FM	Hi	0.0	S
8		146.790000		TSQL	88.5		-	0.600000	FM	Hi	0.0	S
9		147.285000		TSQL	107.2		+	0.600000				
11		444.675000		TSQL	107.2		+	5.000000				
12		444.675000		Tone	107.2		(None)					
13		446.000000		(None)			(None)					
14		446.100000		(None)			(None)					
20		154.130000	PAGE	TSQL	123.0		(None)					
21		155.640000	EMS	TSQL	74.4		(None)					
22		154.960000	LAW	TSQL	173.8		(None)					

Import From File

Import	To	From	Name	Frequency	Comment
<input checked="" type="checkbox"/>	1	1	KC9QAG	441.900000	Alfordsville
<input checked="" type="checkbox"/>	2	2	KB9LOW	442.700000	Washington
<input checked="" type="checkbox"/>	3	3	K9MNS	443.125000	Petersburg
<input checked="" type="checkbox"/>	4	4	W9ILS	443.225000	Washington
<input checked="" type="checkbox"/>	5	5	W9KXP	443.850000	Lynnville
<input checked="" type="checkbox"/>	6	6	KB9EDT	444.000000	Petersburg
<input type="checkbox"/>	7	7	K9CFM	444.175000	Ferdinand
<input checked="" type="checkbox"/>	8	8	N9MZF	444.675000	Jasper

Select:

Adjust New Location:

**Import from
RepeaterBook by
Proximity**

**Queried 30 miles radius of
Jasper for 70 cm repeaters**

CHIRP
File Edit View Radio Help
Yaesu FT-70D: Yaesu_FT-70D_20220814.img* ✕

Memories	Loc	Frequency	Name	BANK 1	BANK 2	BANK 3	BANK 4	BANK 5	BANK 6	BANK 7	BANK 8	BANK 9	BANK 10	BANK 11	BANK 12	BANK 13	BANK 14	BANK 15	BANK 16	BANK 17	BANK 18	BANK 19	BANK 20	BANK 21	BANK 22	BANK 23	BANK 24
	1	147.195000		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	2	147.195000		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	3	146.520000		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	4	146.490000		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	5	147.420000		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	6	145.190000		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	7	146.670000		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	8	146.790000		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	9	147.285000		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	10	0.000000		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	11	444.675000		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	12	444.675000		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	13	446.000000		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	14	446.100000		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	15	0.000000		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	16	0.000000		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	17	0.000000		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	18	0.000000		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	19	0.000000		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	20	154.130000	PAGE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	21	155.640000	EMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	22	154.960000	LAW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Assign channels to banks and assign bank names

Memories
Banks
Bank Names
Settings

Config

Digital

Display

DTMF

Group Monitor

Scan

APC:	Off	▼	MYCALL:	WB9LIB	DTMF Mode:	Manual	▼
Busy Channel Lockout:	Off	▼	AMS TX Mode:	TX Auto	DTMF Delay:	450ms	▼
Beep:	Key+Scan	▼	VW Mode:	On	DTMF Speed:	50ms	▼
Beep Level:	Level 4	▼	TX DG-ID:	0	DTMF_01:		
Beep Band Edge:	Off	▼	RX DG-ID:	0	DTMF_02:		
Busy LED:	On	▼	Digital Popup:	10sec	DTMF_03:		
HOME/REV:	Reverse	▼	Standby Beep:	Off	DTMF_04:		
Home->VFO:	On	▼	Lamp:	Key 5 sec	DTMF_05:		
Lock Mode:	Key+Dial	▼	LCD Dimmer:	Level 6	DTMF_06:		
MONI/T-CALL:	Monitor	▼	Opening Msg Mode:	DC	DTMF_07:		
PTT Delay:	Off	▼	GM Ring:	IN RING	DTMF_08:		
ARS:	On	▼	GM Interval:	NORMAL	DTMF_09:		
RX SAVE:	0.2s	▼	Dual Watch Priority Channel Revert:	Off	DTMF_00:		
VFO MODE:	BAND	▼	Dual Watch Interval:	5.0s			
Transmit Timeout (TOT):	3.0 min	▼	Dual Watch Resume Interval:	Hold			
Mic Gain:	Level 5	▼	Scan Lamp:	On			
Volume:	Level 10	▼	Scan Restart:	2.0s			
Squelch:	Level 5	▼	Scan Resume:	5.0s			

**Not all radio
settings are
included**

General Radio Settings

**With CHIRP many, but not all,
channel & radio settings
are programmed**



**You CANNOT 100%
Clone a Radio With CHIRP**

**Issues noted with CHIRP
while programming FT-70D**

While Programming FT-70D

- **Many Settings** (such as AMS) missing from channels menu
- **Digital Mode** could NOT be programmed into memory channels – (AM or FM only)
- **Some Radio Settings** (such as Standby Beep) were corrupted during download



CHIRP Programming Considerations

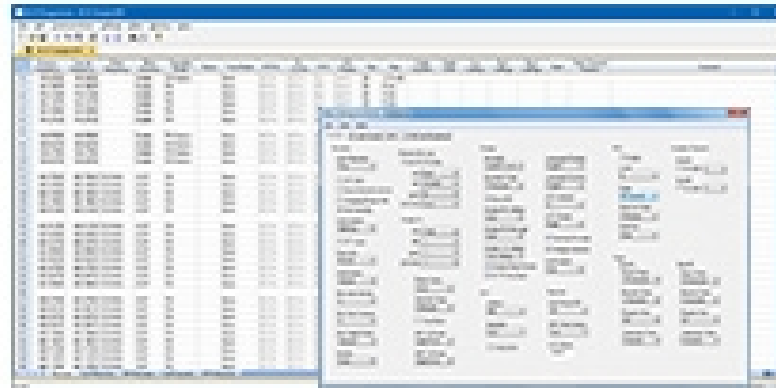
- Always use the latest version of CHIRP
 - Daily updates are posted
 - Includes bug fixes and new features
- NEVER upload a program from an older make/model of a radio to a newer model
 - *THIS CAN BREAK THE RADIO!*

Now lets look at the

Yaesu ADMS-10

Programming Software for the FT-70D

ADMS-10 PROGRAMMING SOFTWARE FOR THE YAESU FT-70D



Download

YES

Edit

YES

Import

NO

Upload

YES

Cross
Program

NO

ALL Radio Channels/Most Settings Programmed: **YES**

YAESU The radio **System Fusion**
Due to COVID19, we are experiencing higher than normal service turnaround times
Deutsch Italiano Español

VHF / UHF Handhelds

Amateur Equipment Digital System Fusion **FT5DR** NEW! FT-4XR FT-60R FT-65R FT-70DR

Archived VHF/UHF Handhelds

FT-70DR

- Description
- Accessories
- Files**

Amateur Radio \ Brochures \ VHF Handhelds

[FT-70D CATALOG 201705](#) (2.77 MB)

Amateur Radio \ Manuals \ Digital

- [FT-70DR/DE Operating Manual \(Including the WIRES-X function information\) 1/9/2020](#) (11.20 MB)
- [FT-70DR/DE Advance Manual](#) (6.06 MB)
- [FT-70DR/DE Deutsch Advance Manual](#) (6.28 MB)
- [FT-70DR/DE Deutsch Operating Manual](#) (11.03 MB)
- [FT-70DR/DE French Advance Manual](#) (6.26 MB)
- [FT-70DR/DE French Operating Manual](#) (11.02 MB)
- [FT-70DR/DE Italiano Advance Manual](#) (6.29 MB)
- [FT-70DR/DE Italiano Operating Manual](#) (11.02 MB)
- [FT-70DR/DE Spanish Advance Manual](#) (6.28 MB)
- [FT-70DR/DE Spanish Operating Manual](#) (11.01 MB)

Amateur Radio \ Software

- [FT-70DR/DE Firmware Update MAIN \(EXP: Ver. 1.11\)](#) (12.81 MB)
- [FT-70DR/DE Firmware Update MAIN \(USA: Ver. 1.11\)](#) (12.81 MB)
- [FT-70DR/FT-70DE ADMS-10 Programming Software](#) (69.37 MB)
- [FT-70DR/FT-70DE Update Firmware Information \(Rev 1\) 11/08/17](#) (37.29 KB)

Available for download from the Yaesu Web Site



ALL channel settings included



Memories SKIP PMS VFO HOME

Channel No	Priority CH	Receive Frequency	Transmit Frequency	Offset Frequency	Offset Direction	AUTO MODE	Operating Mode	AMS	DIG/ANALOG
1	<input checked="" type="checkbox"/>	147.19500	147.79500	0.60000	+RPT	<input checked="" type="checkbox"/>	FM	ON	ANALOG
2	<input type="checkbox"/>	147.19500	147.19500	0.60000	OFF	<input checked="" type="checkbox"/>	FM	ON	ANALOG
3	<input type="checkbox"/>								ANALOG
4	<input type="checkbox"/>								ANALOG
5	<input type="checkbox"/>								ANALOG
6	<input type="checkbox"/>								ANALOG
7	<input type="checkbox"/>								ANALOG
8	<input type="checkbox"/>								ANALOG
9	<input type="checkbox"/>								ANALOG
10	<input type="checkbox"/>								
11	<input type="checkbox"/>								ANALOG
12	<input type="checkbox"/>								ANALOG
13	<input type="checkbox"/>								ANALOG
14	<input type="checkbox"/>								ANALOG
15	<input type="checkbox"/>								
16	<input type="checkbox"/>								
17	<input type="checkbox"/>								
18	<input type="checkbox"/>								
19	<input type="checkbox"/>								
20	<input type="checkbox"/>								ANALOG
21	<input type="checkbox"/>								ANALOG
22	<input type="checkbox"/>								ANALOG
23	<input type="checkbox"/>					<input type="checkbox"/>			
24	<input type="checkbox"/>					<input type="checkbox"/>			
25	<input type="checkbox"/>					<input type="checkbox"/>			
26	<input type="checkbox"/>					<input type="checkbox"/>			
27	<input type="checkbox"/>					<input type="checkbox"/>			
28	<input type="checkbox"/>					<input type="checkbox"/>			

Get Data From FT-70D

1. Connect the AC adaptor to a wall outlet and then insert the DC connector plug to the FT-70DR/DE EXT DC IN jack (do not install any battery).
2. Press and hold [POW] button for over one second to turn the power ON.
3. While the power is ON, disconnect the AC adaptor from the transceiver.
4. Use the supplied USB cable to connect the FT-70DR/DE DATA terminal to the computer USB terminal.
5. While pressing the [AMS] button, reconnect the AC adaptor plug to the FT-70DR/DE EXT DC IN jack.
6. The [ADMS] display will appear on the FT-70DR/DE.
7. Click the OK button on the computer screen.

← 26 Columns Channel Settings →

MORE →

ALL channel settings included



Channel No	Priority CH	Receive Frequency	Name	Tone Mode	CTCSS Frequency	DCS Code	DCS Polarity	User CTCSS	Tx Power
1	<input checked="" type="checkbox"/>	147.19500		TONE SQL	107.2 Hz	023	RX Normal TX Normal	1600 Hz	HIGH
2	<input type="checkbox"/>	147.19500		TONE	107.2 Hz	023	RX Normal TX Normal	1600 Hz	HIGH
3	<input type="checkbox"/>	146.52000		OFF	107.2 Hz	023	RX Normal TX Normal	1600 Hz	HIGH
4	<input type="checkbox"/>	146.49000		OFF	107.2 Hz	023	RX Normal TX Normal	1600 Hz	HIGH
5	<input type="checkbox"/>	147.42000		TONE	203.5 Hz	023	RX Normal TX Normal	1600 Hz	HIGH
6	<input type="checkbox"/>	145.19000		TONE SQL	107.2 Hz	023	RX Normal TX Normal	1600 Hz	HIGH
7	<input type="checkbox"/>	146.67000		TONE SQL	91.5 Hz	023	RX Normal TX Normal	1600 Hz	HIGH
8	<input type="checkbox"/>	146.79000		TONE SQL	88.5 Hz	023	RX Normal TX Normal	1600 Hz	HIGH
9	<input type="checkbox"/>	147.28500		TONE SQL	107.2 Hz	023	RX Normal TX Normal	1600 Hz	HIGH
10	<input type="checkbox"/>								
11	<input type="checkbox"/>	444.67500	REC	TONE SQL	107.2 Hz	023	RX Normal TX Normal	1600 Hz	HIGH
12	<input type="checkbox"/>	444.67500		TONE	107.2 Hz	023	RX Normal TX Normal	1600 Hz	HIGH
13	<input type="checkbox"/>	446.00000		OFF	107.2 Hz	023	RX Normal TX Normal	1600 Hz	HIGH
14	<input type="checkbox"/>	446.10000		OFF	107.2 Hz	023	RX Normal TX Normal	1600 Hz	HIGH
15	<input type="checkbox"/>								
16	<input type="checkbox"/>								
17	<input type="checkbox"/>								
18	<input type="checkbox"/>								
19	<input type="checkbox"/>								
20	<input type="checkbox"/>	154.13000	PAGE	TONE SQL	123.0 Hz	023	RX Normal TX Normal	1600 Hz	HIGH
21	<input type="checkbox"/>	155.64000	EMS	TONE SQL	74.4 Hz	023	RX Normal TX Normal	1600 Hz	HIGH
22	<input type="checkbox"/>	154.96000	LAW	TONE SQL	173.8 Hz	023	RX Normal TX Normal	1600 Hz	HIGH
23	<input type="checkbox"/>								
24	<input type="checkbox"/>								
25	<input type="checkbox"/>								
26	<input type="checkbox"/>								
27	<input type="checkbox"/>								
28	<input type="checkbox"/>								

← 26 Columns Channel Settings →

Primary Display

MORE →

ALL channel settings included



Memories SKIP PMS VFO HOME

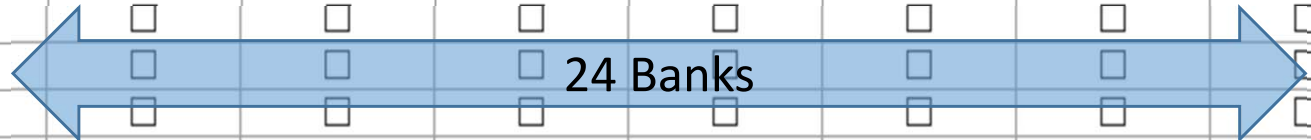
Channel No	Priority CH	Receive Frequency	Skip	AUTO STEP	Step	TAG	Memory Mask	ATT	S-Meter SQL	Bell
1	<input checked="" type="checkbox"/>	147.19500	SKIP	<input checked="" type="checkbox"/>	5.0KHz	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	OFF	OFF
2	<input type="checkbox"/>	147.19500	SKIP	<input checked="" type="checkbox"/>	5.0KHz	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	OFF	OFF
3	<input type="checkbox"/>	146.52000	SKIP	<input checked="" type="checkbox"/>	5.0KHz	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	OFF	OFF
4	<input type="checkbox"/>	146.49000	SKIP	<input checked="" type="checkbox"/>	5.0KHz	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	OFF	OFF
5	<input type="checkbox"/>	147.42000	SKIP	<input checked="" type="checkbox"/>	5.0KHz	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	OFF	OFF
6	<input type="checkbox"/>	145.19000	SKIP	<input checked="" type="checkbox"/>	5.0KHz	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	OFF	OFF
7	<input type="checkbox"/>	146.67000	SKIP	<input checked="" type="checkbox"/>	5.0KHz	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	OFF	OFF
8	<input type="checkbox"/>	146.79000	SKIP	<input checked="" type="checkbox"/>	5.0KHz	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	OFF	OFF
9	<input type="checkbox"/>	147.28500	SKIP	<input checked="" type="checkbox"/>	5.0KHz	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	OFF	OFF
10	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
11	<input type="checkbox"/>	444.67500	SKIP	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	OFF	OFF
12	<input type="checkbox"/>	444.67500	SKIP	<input checked="" type="checkbox"/>	25.0KHz	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	OFF	OFF
13	<input type="checkbox"/>	446.00000	SKIP	<input checked="" type="checkbox"/>	25.0KHz	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	OFF	OFF
14	<input type="checkbox"/>	446.10000	SKIP	<input checked="" type="checkbox"/>	25.0KHz	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	OFF	OFF
15	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
16	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
17	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
18	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
19	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
20	<input type="checkbox"/>	154.13000	OFF	<input type="checkbox"/>	5.0KHz	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	OFF	OFF
21	<input type="checkbox"/>	155.64000	OFF	<input type="checkbox"/>	5.0KHz	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	OFF	OFF
22	<input type="checkbox"/>	154.96000	OFF	<input type="checkbox"/>	5.0KHz	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	OFF	OFF
23	<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"/>		
25	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
26	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
27	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
28	<input type="checkbox"/>			<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

26 Columns Channel Settings

Primary Display



Channel No	Priority CH	Receive Frequency	BANK1	BANK2	BANK3	BANK4	BANK5	BANK6	BANK7	BANK8
1	<input type="checkbox"/>	147.19500	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	<input type="checkbox"/>	147.19500	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	<input type="checkbox"/>	146.52000	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	<input type="checkbox"/>	146.49000	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	<input type="checkbox"/>	147.42000	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6	<input type="checkbox"/>	145.19000	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7	<input type="checkbox"/>	146.67000	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	<input type="checkbox"/>	146.79000	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	<input type="checkbox"/>	147.28500	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11	<input type="checkbox"/>	444.67500	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12	<input type="checkbox"/>	444.67500	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13	<input type="checkbox"/>	446.00000	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14	<input type="checkbox"/>	446.10000	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20	<input type="checkbox"/>	154.13000	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21	<input type="checkbox"/>	155.64000	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22	<input type="checkbox"/>	154.96000	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<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"/>	<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"/>	<input type="checkbox"/>
26	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
27	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Config

APO OFF

BCLO OFF

BEEP SELECT KEY & SCAN

BEEP LEVEL Level 4

BEEP EDGE OFF

BUSY LED ON

PASSWORD OFF

HOME/REV REV

HOME->VFO ENABLE

LOCK KEY & DIAL

MON/T-CALL MONITOR

PTT DELAY OFF

RPT ARS ON

SAVE RX 0.2sec (1:1)

VFO MODE BAND

TOT 3min 00sec

DW RVT OFF

P1 DC VOLT

P2 RX MODE

Display

Lamp Timer Key 5sec

LCD Dimmer Level 6

Opening Message DC

Message

TEMP UNIT °F

Digital

MY CALLSIGN WB9LIB

AMS TX MODE TX AUTO

VW MODE ON

RX DG-ID 00

TX DG-ID 00

DIGITAL POPUP 10sec

STANDBY BEEP ON

Signaling

DTMF

TX Mode MANUAL

TX Delay 450ms

TX Speed 50ms

PAGER

Answer Back OFF

RX CODE1 05

RX CODE2 47

TX CODE1 05

TX CODE2 47

SQL LEVEL Level 5

SQL Expansion OFF

TONE Search MUTE ON

TONE Search SPEED FAST

BELL RINGER 1 Time

WX Alert OFF

TX/RX

Mic Gain Level 5

Memory

Write Mode NEXT

Memory Bank

BANK No	Bank Name
▶ 1	BANK 1
2	BANK 2
3	BANK 3
4	BANK 4
5	BANK 5
6	BANK 6
7	BANK 7
8	BANK 8
9	BANK 9
10	BANK10
11	BANK11
12	BANK12
13	BANK13
14	BANK14
15	BANK15
16	BANK16
17	BANK17
18	BANK18
19	BANK19
20	BANK20
21	BANK21
22	BANK22
23	BANK23
24	BANK24

DTMF Memory

CH No	Code
▶ 1	
2	
3	
4	
5	
6	
7	
8	
9	
0	

Scan

DW Interval 5.0sec

Scan Lamp ON

Scan Re-Start 2.0sec

GM

GM RINGER INRANGE

GM INTERVAL NORMAL

GM STATUS LED ON

Scan Width

VFO BAND

MEMORY ALL CH

Scan Resume

Scan 5.0sec

DW BUSY

Most Radio Settings

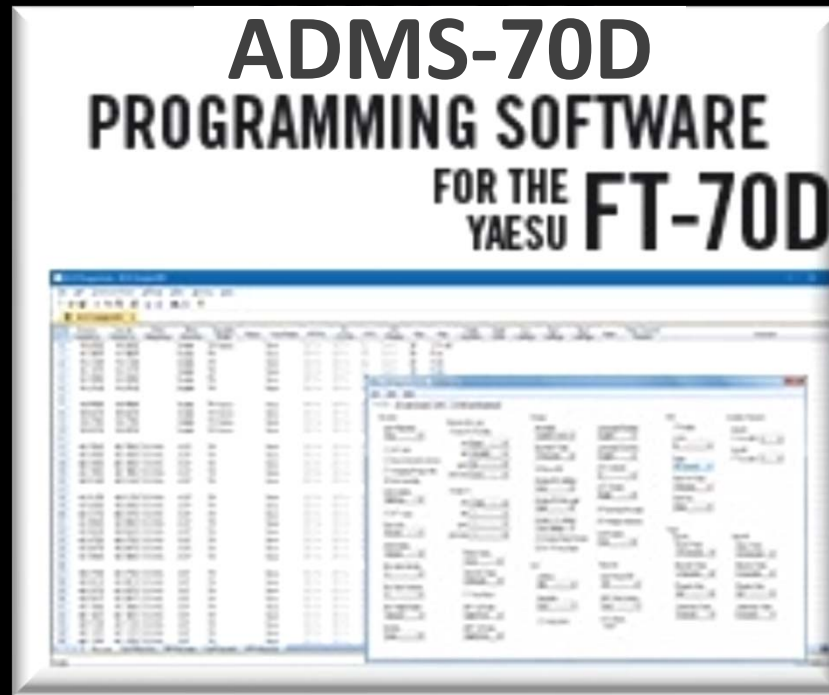
**With ADMS-10,
ALL channel & MOST radio settings
are programmed**

**Factory Programming Software is
Recommended for Critical Applications
where Replication is Vital**

Now lets look at the

RT Systems ADMS-70D

Programming Software for the FT-70D



Download

YES

Edit

YES

Import

YES

Upload

YES

Cross
Program

***Yes**

ALL Radio Channels / All Settings Programmed: **YES**

- Requires software/cables for different radio makes/models
- Some options approximated during cross programming

RADIOS

- ABBREE
- ALINCO
- ANYSECU
- ANYTONE
- BAOFENG
- BAOJIE
- BTECH
- DMR RADIOS
- EXPLORER
- FONGHOO
- HELIDA
- HENSENATE
- HYS
- ICOM
- JETSTREAM

Home | Yaesu | Handhelds | FT-70D | ADMS-70D Programming Software Only for the Yaesu FT-70D

\$55 Total

Available for purchase from the RT Systems Web Site

ADMS-70D PROGRAMMING SOFTWARE FOR THE YAESU FT-70D



ADMS-70D Programming Software Only for the Yaesu FT-70D

ADMS-70D Programming Software Only for the Yaesu FT-70D

★★★★★ 8 Review(s) [Write a Review](#)

Your Price: \$25.00

Program memories and other settings of the Yaesu FT-70D radio.

Includes:

- ADMS-70D Software

Requires:

- USB-57B Cable
- Microsoft Windows 8/8.1, 10 (32 or 64 Bit), or Win 11
- OR
- MacOs 10.11.6 or higher (64 bit)



USB-57B PROGRAMMING CABLE

Your Price: \$30.00

Works only with the RT Systems USB-57B cable. Verify your cable is the one shown below.

More Information: .

Does NOT work with the black data cable that comes with the radio.

Click on your Yaesu handheld radio model for details.

ADMS-FT1D
PROGRAMMING SOFTWARE
FOR THE
YAESU **FT-1D**



FT-1D
\$49

ADMS-FT2D
PROGRAMMING SOFTWARE
FOR THE
YAESU **FT-2D**



FT-2D
\$49

YPS-FT3D
PROGRAMMING SOFTWARE
INCLUDES SETTINGS FOR FUSION
FOR THE YAESU **FT-3D**



FT-3D
\$49



Software Only
\$25.00

YPS-4XV
PROGRAMMING SOFTWARE
FOR THE
YAESU **FT-4V**



FT-4V
\$49

YPS-4XV
PROGRAMMING SOFTWARE
FOR THE
YAESU **FT-4X**



FT-4X
\$49

YPS-FT5D
PROGRAMMING SOFTWARE
FOR THE
YAESU **FT-5DR/DE**



FT-5DR/DE
\$49



USB-68 PROGRAMMING CABLE
\$30.00



USB-55 PROGRAMMING CABLE
\$30.00

ADMS-25
PROGRAMMING SOFTWARE
FOR THE
YAESU **FT-25**



FT-25
\$49

ADMS-50
PROGRAMMING SOFTWARE
FOR THE
YAESU **FT-50**



FT-50
\$49

ADMS-1J
PROGRAMMING SOFTWARE
FOR THE
YAESU **FT-60**



FT-60
\$49



USB-57A PROGRAMMING CABLE
\$30.00

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
- 99 Skip Memories
- 100 Limit Memories (50 pair)
- 6 VFO Channels
- 6 Home Channels

Other Menu Item Categories Include:

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

RadioReference Search - A commercially maintained database of amateur repeater and other commercial frequencies. A subscription is required to use this service. Check the RadioReference side for details about that subscription. See details about its use in the [RadioReference Search](#) section of this Help.

RepeaterBook Search - A commercially maintained database of amateur repeaters in the US and many other countries. This service is free for anyone to use. Check the Repeater Book site for details about support through contributions if you are so inclined. Learn more about the details of this service in the [RepeaterBook Search](#) section of this Help.

RFinder Web Search - A commercially maintained database of amateur repeaters in the US and other countries worldwide. This search has the best interface with a location and route search available. See details about its use in the [RFinder Web Search](#) section of this Help. A subscription is required to use this service. See the RFinder site for details about a subscription.

Frequency list - A list of commercial and other common frequencies maintained in the Programmer. An internet connection is not needed to use this list. Access the [Frequency Lists](#) section of this Help for more details.

**Programs
Everything**

+

**Import
Features**

The Features of CHIRP + Full Programmability of ADMS-14

RT Systems Radio Programming Overview

The screenshot shows a software interface for programming a radio. A dialog box titled "Send Data To FT-60" is centered on the screen. The dialog contains a list of nine numbered instructions for cloning data to an FT-60 radio. At the bottom of the dialog are "OK" and "Cancel" buttons. The background shows a grid of radio channels with various settings like frequency, mode, and power.

1. Insert the cable into the Speaker/Mic jack.
2. Press the [Moni/TCall] key while turning on the power.
3. Release the [Moni/TCall] button.
4. Rotate the Dial to F-8 CLONE.
5. Press and release the [FW] key to begin CLONE mode.
6. Verify that the radio only displays "CLONE".
7. Press and release the [Moni/TCall] key to start the RX mode.
8. Verify that the radio displays "RX".
9. Click OK to start transferring the data.

**Follow the Instructions
for Uploading & Downloading**



FT-1D Untitled1 x

	Receive Frequency	Transmit Frequency	Offset Frequency	Offset Direction	Operating Mode	Name	Tone Mode	CTCSS	DCS	DCS Polarity	User CTCSS	Tx Power
P1	144.00000	144.00000		Simplex	FM		None	100.0 Hz	023	RN-TN	1600 Hz	High (5 W)
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												

Preferences

Grid Display Memory Defaults Font Other

Freeze 1

Alternate row

	A
1	Row 1
2	Row 2
3	Row 3
4	Row 4

Fore Back

Use Combo for Check box

Language: English

Mark the columns to hide.

Column	Hide
Transmit Frequency	<input type="checkbox"/>
Offset Frequency	<input type="checkbox"/>
Offset Direction	<input type="checkbox"/>
Operating Mode	<input type="checkbox"/>
Name	<input type="checkbox"/>
Tone Mode	<input type="checkbox"/>
CTCSS	<input type="checkbox"/>
DCS	<input type="checkbox"/>
DCS Polarity	<input type="checkbox"/>
User CTCSS	<input type="checkbox"/>
Tx Power	<input type="checkbox"/>
Skip	<input type="checkbox"/>
Step	<input type="checkbox"/>
Attenuator	<input type="checkbox"/>
S-Meter Squelch	<input type="checkbox"/>
Ball	<input type="checkbox"/>

OK Cancel Apply

Primary Display
 (VERY Similar to Yaesu ADMS-10)

Config

- Auto Repeater Shift
- Band Edge Beep
- Busy Channel Lockout
- A-Band Busy LED
- B-Band Busy LED
- Radio Busy LED
- Home VFO
- Time Signal Alarm

Password

Enable

Auto Power Off

2.0 hour

Beep Select

Key & Scan

Beep Level

Low

GPS Log

Off

Lock

Dial + Key

Moni/TCall

Moni

PTT Delay

Off

Rx Save

0.2 seconds

Time Out Timer

3 min

VFO Mode

Band

Dial Knob Swap

Outer. Vol

Timers

Enable

Off 00:00

Enable

Band Select

VHF

UHF

Other

SW

AM

FM

All Radio Settings

Display

Band Scope

39 channel

Compass

Heading Up

Dual/Mono

Mono Receive

Lamp

7 seconds

Lamp Save Mode

Language

English

LCD Brightness

Level 6

Target Location

Compass

Font Color

Red

Memory

Protect

Write

Next

Callsign

K6UDA

VOX

VOX

Off

Delay

0.5 second

Option

USB Camera Size

320 x 240

USB Camera Quality

Low

USB Camera Spkr

Camera

**With ADMS-70D,
ALL channel & ALL radio settings
are programmed**



**RT Systems Software is Recommended
for Critical Applications Involving Multiple Radio
Makes/Models**

- Some options approximated during cross programming



RF HEADQUARTERS L.L.C.

812-630-2031

Jody Denning

1717 W.1000 S. Ferdinand, IN 47532

1radiohq@gmail.com

RT Systems Software Used at Shop for Programming

(also a few copies for sale)

Yaesu

Wouxun

Baofeng

Ft-2, Ft-3, Ft-60, Ft-70, Ft-818

Kg-uv6

Uv-5r

Ft-857, Ft-2900, Ft-7800, Ft-7900

Ft-8800, Ft-8900, FTM-100, FTM-300

Uv-82

FTM-400, FTM-3200, FTM-7250

YouTube Training Video



YAESU FT70D
FREE ADMS
PROGRAMMING

4:40



RT Systems FT-70D

RT SYSTEMS
RADIO PROGRAMMING MADE EASY

• FT-70D Mac Info

Memory Types	Memory Chained Functions
Memories	Receive Frequency PR FREQ
Step Memories	Transmit Frequency Tx Power
Limit Memories	Offset Frequency Step
VFO	Operating Mode
Active	Band
	Name
	Speakers
	Scan Mode
	Scan Step
	CTCSS
	Scan 1.24
	DQS
	DQS Priority



FT-70DR Programming with CHIRP

CHIRP

FT-70D
Programming
Using Chirp

IN SUMMARY

RT Systems vs ADMS vs CHIRP: Ham Radio Programming Software Battle

	Receive Frequency	Transmit Frequency	Offset Frequency	Offset Direction	Operating Mode	AMS
P1	146.52000	146.52000			FM	<input type="checkbox"/>
2	145.56250	145.56250			FM	<input type="checkbox"/>
3	144.39000	144.39000			FM	<input type="checkbox"/>
4	146.92500	146.92500			FM	<input type="checkbox"/>
5	145.17000	145.17000			FM	<input type="checkbox"/>
6	146.76000	146.76000			FM	<input type="checkbox"/>
7	146.66000	146.66000			FM	<input type="checkbox"/>
8	147.00000	147.00000			FM	<input type="checkbox"/>
9	145.27000	145.27000			FM	<input type="checkbox"/>

RT Systems Software BEST Full Feature Programmer For Specific Models

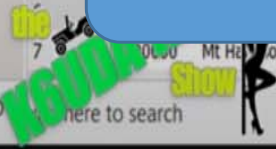
Channel No	Priority CH	Receive Frequency	Transmit Frequency	Offset Frequency	Offset Direction	AUTO MODE
1	<input checked="" type="checkbox"/>	146.52000	146.52000	0.60000	OFF	<input checked="" type="checkbox"/>
2	<input type="checkbox"/>	145.56250	145.56250	0.60000	OFF	<input type="checkbox"/>
3	<input type="checkbox"/>	144.39000	144.39000	0.60000	OFF	<input checked="" type="checkbox"/>
4	<input type="checkbox"/>					<input type="checkbox"/>
5	<input type="checkbox"/>					<input type="checkbox"/>
6	<input type="checkbox"/>					<input type="checkbox"/>
7	<input type="checkbox"/>					<input type="checkbox"/>
8	<input type="checkbox"/>					<input type="checkbox"/>
9	<input type="checkbox"/>					<input type="checkbox"/>
10	<input type="checkbox"/>	443.95000	448.95000	5.00000	+RPT	<input type="checkbox"/>
11	<input type="checkbox"/>	147.36000	147.96000	0.60000	+RPT	<input type="checkbox"/>
12	<input type="checkbox"/>	440.57500	445.57500	5.00000	+RPT	<input type="checkbox"/>
13	<input type="checkbox"/>	146.92500	146.32500	0.60000	-RPT	<input type="checkbox"/>
14	<input type="checkbox"/>	145.17000	144.57000	0.60000	-RPT	<input checked="" type="checkbox"/>
15	<input type="checkbox"/>	146.76000	146.16000	0.60000	-RPT	<input checked="" type="checkbox"/>

Yaesu ADMS Software Excellent Basic Programmer For Specific Models

Banks	Loc	Frequency	Name	Tone Mode	Tone	DTCS Code	Duplex
1		146.520000	2M CALL	(None)		(None)	FM Hi 5.0
2							FM Hi 6.25
3							FM L1 25.0
4							FM L2 25.0
5							FM Hi 25.0
6							FM Hi 25.0
7							FM Hi 25.0

CHIRP Covers the Basics across Many Makes/Models

ALL 3 SOFTWARE PACKAGES COVER THE BASICS





Thanks