Uniden's Bearcat E-Scanner Plus 2.0

Uniden's E-Scanner Plus programming and control software allows you to program and control Uniden Bearcat scanners (BC785D, BC250D, BC780XLT, BC245XLT and BC895XLT) via a computer.

E-Scanner Plus enables you to program trunked, digital and conventional frequencies into your scanner (if those systems are supported by your model). In addition, you can enter the frequencies manually into the computer or upload them from a software file, which already contains all the frequencies and talk groups for the entire city, county or state automatically. Free files containing the trunked frequencies and talk group ID's can be found at http://www.bearcatl.com/fleet.htm.

Members of Uniden's Betty Bearcat Radio Club can download unlimited conventional frequency files for your city, county and state, which can be loaded into the E-Scanner and E-Scanner Plus programs. Non-members of the Betty Bearcat Radio Club can purchase frequencies for your city, county or state at http://www.bearcat1.com/etrunk.htm.

E-Scanner Plus allows you to control your scanner (to scan, search, etc.) through the software program using your mouse versus the buttons on the scanner. When configuring your channels you have the ability to turn ON and OFF features such as the Attenuation, Beep, Delay, Lock Out, etc.

Basic Operation

Table of Contents:

- E-SCANNER PLUS SECTIONAL OVERVIEW

- SCANNER SOFTWARE SETTINGS

- AUTOMATIC CONFIGURATION

- MANUAL CONFIGURATION

- FREQUENCY SOURCE FILES

- LOAD SOURCE FILE INTO E-SCANNER PROGRAM

- PROGRAMMING CONVENTIONAL FREQUENCIES

- PROGRAMMING TRUNKED FREQUENCIES

- PROGRAMMING TRUNKED SYSTEMS INTO THE SCANNER

- PROGRAMMING TALK GROUP/FLEET ID'S

- MANUALLY ENTER FREQUENCIES

- MANUALLY ENTER CHANNEL AND BANK ALPHA TAGS

- SOURCE FILE FREQUENCY COUNTER

- SORT SOURCE FILE INFORMATION

- MOVE OR COPY BANKS

- PROGRAM FREQUENCIES INTO SCANNER

- PROGRAM FLEET ID'S INTO SCANNER

- SAVE CHANNEL AND BANK SETTINGS

- PRINTING OPTIONS

- AUTOMATICALLY LAUNCH SOURCE FILES AND PERSONAL SETTINGS

- SOURCE FILE FREQUENCY DATABASE
- PERSONAL DATABASE SETTINGS
- MISALIGNED TEXT

- TIPS

E-SCANNER PLUS SECTIONAL OVERVIEW

E-scanner-Plus is divided into three distinct sections: Setup, Programming and Scanning.

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Configuration	Autoload	
Auto Configure	DETECTI Press "Act	ED BC250 cept" to Exit
C Uniden BC895 C Uniden BC245 C Uniden BC780 C Uniden BC780 C Uniden BC785	Baud Rate © 9600 © 19200	Comm Port Comm 1 Comm 2 Comm 3 Comm 4
Select Radio FIR: Timing Delay .005	ST and then choose settings	

1. Setup Section

2. Programming Section



3. Scanning Section

Individual settings for:

- A. Choosing your Radio Includes an auto-detect for most common settings
- B. Serial Port Connections Includes an auto-detect for most common settings.
- C. AutoLoad frequently used Files upon program start

The Programming section consists of two "grids" an upper and a lower.

- A. The Upper Database Grid contains the Source files for frequencies from your area.
- B. The Lower Database represents the banks and channels you want to program into your scanner.



Scanning is divided into two modules

- A. The Upper "Basic" graphical interface is a virtual display of your scanner and acts much the same as using your radio.
- B. The Lower "Extended" area contains more advanced scanning options such as a Logging database for collecting Trunking ID's as well as virtual control of basic scanning operations.

All of these sections are linked by a common interface screen called the "Splash Screen". When you exit a section you return to the Splash Screen - which is the only place you can exit or terminate the program.

Splash Screen



SCANNER SOFTWARE SETTINGS

After you've loaded E-Scanner software onto your computer, you now must configure the software to communicate with your scanner.

AUTOMATIC CONFIGURATION

The "Auto Configure" button will automatically detect which Uniden Bearcat scanner is attached to the computer, which communications port on your computer is attached to the scanner via the RS-232 cable, and what baud rate is being used on your scanner. To launch "Auto Configuration" follow the following simple steps:

- 1. From the Start Up screen select **SETUPS** or from the programming window, click on **FILES** in the menu located at the top of the screen and then click on **SETTINGS** in the drop down menu.
- 2. The CONFIGURATION page in the SETTINGS menu option should be displayed on your screen. To automatically configure the computer to match your Bearcat scanner, CLICK on the **Auto Configure** button. This will automatically configure the software to communicate with your Uniden scanner.

Radio and Comm po	rt Settings	X
Configuration	Autoload	,
Auto Configure		
Accept Select Radio Uniden BC895 Uniden BC245 Uniden BC780 Uniden BC780 Uniden BC785	Baud Rate © 9600 © 19200	Comm Port Comm 1 Comm 2 Comm 3 Comm 4
Select Radio FI	RST and then choose setti	ngs

3. Once the software has detected the model, baud rate and communications port (Comm Port) settings, it will ask you if the settings are correct. If it correctly identifies your Uniden Bearcat scanner, click on the **Accept** button.

If you exit without clicking **Accept**, the settings will not be saved and you will need to re-configure the software next time you run the E-Scanner Plus program.

MANUAL CONFIGURATION

You can also manually configure the software to communicate with your scanner. In order to do so, you must select the model, baud rate and port settings.

1. Listed are the Uniden scanners supported by E-Scanner Plus. Click on the circle located next to your Uniden model. (Always select your radio FIRST before assigning other settings, as each radio has a unique setup.)

If you do not see your model of Uniden scanner with a data port, you will not be able to program your scanner with this version of E-Scanner Plus. Check back soon because we will be adding scanners as soon as we can. Eventually the E-Scanner Plus software will be able to program all Uniden scanners with data ports. If your Uniden scanner does not have a data port you will not be able to program your scanner with this software.

- 2. Now you must select the Communications Port on your computer connecting to the scanner.
- 3. Click on the baud rate that matches the baud rate on your scanner. (To see what baud rate has been setup on your scanner, please refer to your scanners Owner's Manual.)
- 4. Click on the Accept button after you've manually made your selections.

If you exit without clicking **Accept**, the settings will not be saved and you will need to re-configure the software next time you run the E-Scanner Plus program.

FREQUENCY SOURCE FILES

Frequency source files are files that contain City, County and State conventional frequencies. Trunked system source files will contain frequencies, talk group ID's and user name information. Both types of files (conventional and trunked) are formatted as "Text" or "D-Base" files. The E-Scanner Plus program has one sample file containing common conventional frequencies for police, fire departments, public safety organizations, etc. You can use this file to see how easy it is to program your scanner with Uniden's E-Scanner Plus software. Or you can download Free trunked frequencies with talk group ID's for systems located in your area.

There are two ways to receive frequencies for your area formatted for the E-Scanner Plus software:

- 1. You can download frequencies for your area (City, County or State) from Uniden's Bearcat Radio Club, <u>http://www.bearcat1.com/etrunk.htm</u>
 - a. Click on the **Files** menu option, located at the top left of the program.
 - b. Click on the Load Files menu option.
 - c. Click on **Source Files**.
 - d. Now scroll to the last menu option titled **Download Frequencies From Bearcat Radio Club**

	earcat E-Sc	anner Files =	E-Scanne	er\Sample_S	ource.txt	- Radio	= BC	250							_	8
Files	Edit Load	d/Read Radio 🛛 🛛	Database \	view Help De	ebug Con	v. DB So	urce L	baded Exi	it							
N	EW - Clears B	Entire Lower Dat	abase	Base	Mot	oile	Cal	I Sian		L	icensee				City	
Lo	ad File		Þ	Source Files	5	•	Load	Bearcat (*.	TXT) Fi	requency f	iles	Ī	NA	TION	WIDE	
Sa	ive File		Þ	Personal Da	atabase File	s	Load	Bearcat (*.	.DBF) F	requency F	=ile	ľ	NA	TION	WIDE	
Pr	int		• • •	7000	******	_	Load	Bearcat Tru	unk ID (Combo Da	tabase)	[NA	TION	WIDE	_
Se	ttinas			8000	******		Dowr	load Frequ	encies I	rom Bearc	at Radio (lub	NA	TION	WIDE	_
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1	CH#1							•			-	•	•			
2	CH# 2							•			-	•	•			
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5	CH#5							•			-	-	-			
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7	CH# 7							-			-	-	-			
8	CH#8							•			-	-	•			
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From there you can select **Download Frequencies and Fleet ID's**, which will connect you to a <u>http://www.bearcat1.com/etrunk.htm</u> where you can download trunked and conventional frequencies for your Agency, City, County and/or State.



2. From Mr. Scanner and Betty Bearcat CD-ROM Frequency Guides, you can save the frequencies as "D-Base" files and load them into the program.

LOAD SOURCE FILE INTO E-SCANNER PROGRAM

Once you have received your source frequencies, you are now ready to load them into the E-Scanner Plus program. Follow these instructions below:

- 1. Click on **Files**, located at the top of the program.
- 2. Click on Load File in the drop down menu.
- 3. Move your mouse over to the **Source Files** and select the type of source file you received (Text "txt" or D-Base "dbf").

Bearcat E-Scanner Files = E-Scanr	ner\Sample_Source.tx	t - Radio	= BC	250							_	8 ×
Files Edit Load/Read Radio Database	View Help Debug Co	onv. DB So	urce L	oaded Ex	it							
NEW - Clears Entire Lower Database	Base M	obile	Cal	l Sian		L	icensee				City	
Load File 🔹 🕨	Source Files	•	Load	Bearcat (*	.TXT) Fr	equency f	iles		N/	TION	WIDE	
Save File 🔰	Personal Database F	iles	Load	Bearcat (*	.DBF) Fi	requency l	=ile		N/	TION	WIDE	
Print 🕨		×	Load	Bearcat Tr	unk ID (Combo Da	tabase)		N/	TION	WIDE	
Settings	8000 ******	×	Dowr	load Frequ	encies f	rom Beard	at Radio (club [N/	TION	WIDE	_
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Bank 9	Bank 1	D		ľ	Srch	n Ranges				Misc		
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Bank 1	Bank 2		Ŷ		Bank	3	Ύ		Bar	ik 4		
Rec # Frequency	Description	Trunk	ATT	Delav	Веер	Record	Mode	Steps	Tones	L/0	Priority	∏T▲
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2 CH#2				•			-	-	•			
3 CH#3				-			-	-	•			
4 CH# 4				-			-	-	•			
5 CH#5				-			-	-	-			
6 CH#6				-			-	-	-			
7 CH#7				-			-	-	-			
8 CH#8				-			-	-	-			
9 CH#9				-			-	-	•			
10 CH#10				-			-	-	•			
11 CH#11				-			•	-	•			
12 CH#12				-			•	-	•			
13 CH#13				-			•	-	•			
14 CH#14				-			-	-	•			
15 CH#15				-			-	-	•			
16 CH#16				-			-	-	•			
17 CH#17				-			-	-	•			
18 CH#18				-			-	-	-			
19 CH#19				-			-	-	-			
				-			_		-			
This is the SOURCE File Database. CLICK (for Radio). HIGHLIGHTED records indicate	a Record to Select or Un e selected.	select reco	rds to	be loaded i	nto the	LOWER D	ATABASE	E				

4. Find the file you received or Uniden's Sample Source file and double click on it.

🍓 Bearcat E-Scanner Files = E-Scanner\Sample_Sour	ce.txt - Radio = BC250			_ 8 ×
Files Edit Load/Read Radio Database View Help Debu	g – Conv. DB Source Loade	ed Exit		
Rec # Cottings Page	Mabila I Call Sia	n Licone		City 🔺
Rec # 1 Open			<u>? ×</u>	NATIONWIDE
Rec # 2				NATIONWIDE
Rec # 3 LOOK In: Correct Conner2			· [NATIONWIDE
Rec # 4			[NATIONWIDE
Rec # 5				NATIONWIDE
Rec # 6				NATIONWIDE
	-vt			•
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	Lindi			nes L/O Priority 🚺 🔺
1 CH#1 My Documents				▼ □
5 CH#5 File name:	*.txt	•	Open	▼ □
6 CH#6			Control	▼ □
7 CH#7 Files of type:		<u> </u>		▼ □
8 CH#8 My Network P	🗌 Open as read-only			▼ □
9 CH#9			1.	▼ □
12 CH#12				
13 CH#13			- -	
14 CH#14			- -	▼ □
15 CH#15			• •	▼ □
16 CH#16			•	▼ □
17 CH#17			• •	▼ □
18 CH#18			-	▼ □
19 CH# 19			<u> </u>	
				Þ
Move mouse over controls to see "On-Line Help"				

The program will now load those frequencies (and talk group ID's if it's for a trunked system) into the top section of the program. The top section displays your "Source Files" and the bottom section represents the channels and banks of your Uniden scanner. You will place the frequencies located in the top section "Source File" and paste them into the channels and banks located in the bottom section of the program.

🚰 C:\Program F	iles\E-Scar	nner\Las \	/egas Fire	e Department	.556 =									_ 6	I X	
Files Edit Load	/Read Radio	Database	View He	lp Debug Tri	unk DB So	urce Lo	aded Exit	:								
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Rec #1		860.9375		CLARK CO./LA	S VEGAS	4097	6 CO/LA	S VEG	AS FD CH	1 EAST	LAS VE	GAS	NV	Ili		
Rec # 10		856.7625		CLARK CO./LA	S VEGAS	4142	4 CO/LA	S VEG.	AS FD FIF	EGROUN	LAS VE	EGAS	NV	Ili		
Rec # 11		856.7125		CLARK CO./LA	S VEGAS	4174	4 CO/LA	IS VEG.	AS FD FIF	EGROUN	LAS VE	EGAS	NV	lli		Common
Rec # 12		856.4375		CLARK CO./LA	S VEGAS	4315	2 CO/LA	IS VEG.	AS FD INS	SPECTIO	LAS	IGAS	NV	116		Source
Rec #13		856.2625		CLARK CO./LA	S VEGAS	4139	3 CO/LA	IS VEG.	AS FD TA	C CH 10	LAS v.	GAS	NV	lli		
Rec # 14		855.7125		CLARK CO./LA	S VEGAS	4123	2 HEND	ERSON	I FIRE DE	PT DISP	HENDE	ERSON	NV	lli	-	
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	Bank 5		ſ	Bank 6				Ba	nk 7			P	ant Q			Banks
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De	ank i			Dank 2				Dank				Dai	IN 4			
Rec #	Frequency	1	Descri	iption	Trunk	ATT	Delav	Веер	Record	Mode	Steps	Tones	L/0 F	Priority		
1 CH#1	860.9375	CO/LAS	VEGAS FE	2			-			-	-	T				
2 CH#2	860.4875	CO/LAS	VEGAS FE	2			•			•	•	•		_		
3 CH#3	860.4375	CU/LAS	VEGAS FE			-	•			•	•	•		_		
4 UH# 4	860.2625	CU/LAS	VEGAS FL				•			•	•	•		_		
5 CH#5	053,3370 050 /c25		VEGAS FL				-			-	<u> </u>			_		
7 CH#7	859 2625	C07LAS	VEGAS E	<u>,</u>			· •			Ť	÷	Ť		_		Channels
8 CH#8	858 7625	CO/LAS	VEGAS EF	<u></u>			· •			- -				_		
9 CH#9	857.7625	CO/LAS	VEGAS FE	5	V		-			-	-	-				
10 CH#10	856.7625	CO/LAS	VEGAS FE)	Ľ		-			•	-	-				
11 CH# 11	856.7125	CO/LAS	VEGAS FE)			-			•	-	•				
12 CH#12	856.4375	CO/LAS	VEGAS FE)	M		-			-	4	•				
13 CH#13	856.2625	CO/LAS	VEGAS FE)			-			-	-	-				
14 CH#14	855.7125	HENDER	RSON FIRE	ED			-			-	-	-				
15 CH#15	856.2125	HENDER	RSON PD	(CH	<u> </u>		-			-	-	•				
16 CH#16	857.4875	HENDER	RSUN PD	(CH		-	•			•	•	•		_		
17 CH# 17							•			*	•	-				
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20 CU# 20							-			<u> </u>	-	-			•	
															•	
Click on any of the	ese tabs to ch	lange to and	other bank													

PROGRAMMING CONVENTIONAL FREQUENCIES

Now that you have loaded the "Source File" into the top section of the E-Scanner program, it is now time to select the frequencies you would like to monitor and place them where you would like them to be stored in your scanner's channels and banks.

You can program the scanner's banks to reflect your monitoring preferences. For example, you may want to program each bank for a different city: Bank 1 is Dallas, Bank 2 is Fort Worth, etc. You could also program the banks based on the type of monitoring you want to do: Bank 1 could be programmed for Police, Bank 2 for Local Fire Departments, etc. This software allows you to easily program your scanner to match how you prefer to monitor communications.

To load the frequencies into the bottom section, which represents the channels and banks of your scanner, follow these instructions:

- 1. Click on a "Bank", located in the middle of the screen that represents the location of where you would like to place the frequencies. (Bank 1, Bank 2, Bank 3 etc.) See picture above for a reference.
- 2. Scroll through the frequencies located on the top half of the E-Scanner Plus program and click once to highlight the frequencies you would like to monitor.

🐞 Bearcat E-Sc	anner Files = E-S	canner\Las	Vegas Fire De	partment	.556	- Radio =	BC250	- Select	ed = 6				_	8×
Files Edit Load	/Read Radio Data	base View H	Help Debug T	runk DB Soi	urce Li	baded Ex	it							
Rec #	Settings F	requency	Syste	em	Flee	etID		User			City	State	a Sys	Ty ▲
Rec # 12	856.43	75	CLARK CO./L	AS VEGAS	4315	52 CO/L	AS VEG	AS FD INS	PECTIO	LAS VE	GAS	NV	lli	
Rec # 13	856.26	25	CLARK CO./L	AS VEGAS	4139	33 CO/L	AS VEG	AS FD TA	C CH 10	LAS VE	GAS	NV	lli	_
Rec # 14	855.71	25	CLARK CO./L	AS VEGAS	4123	32 HEND	ERSON	I FIRE DE	PT DISP	HENDE	RSON	NV	Ili	
Rec # 15	856.21	25	CLARK CO./L	AS VEGAS	600-	8 HEND	ERSON	I PD (CHA	NNEL 1)	HENDE	RSON	NV	Illi	
Rec # 16	857.48	75	CLARK CO./L	AS VEGAS	600-	9 HEND	ERSON	I PD (CHA	NNEL 2)	HENDE	RSON	NV	Ili	
Rec # 17	ж		Record 7 of 29 S	elected = 6	100-	2 CO A	/IATION	I DEPT CO	ONT CTR	LAS VE	GAS	NV	lli	•
•						_								
	Bank 9	Ĭ	Bank '	10		ľ	Sre	n Ranges		ľ		Misc	<u>.</u>	
	Bank 5	- Y	Bank 6		ΤĬ		Ba	nk 7)	В	ank 8		
Ba	ank 1	r	Bank 2		Ť		Bank	3	Ϋ́		Bar	nk 4		
Rec #	Frequency	Desc	cription	Trunk	ATT	Delav	Веер	Record	Mode	Steps	Tones	L/0	Priority	
1 CH#1						-			-	-	-			
2 CH#2						•			•	-	•			
3 CH#3						-			-	-	-			
4 CH#4						-			-	-	-			
5 CH#5						-			•	-	-			
6 CH#6						-			-	-	-			
7 CH#7						-			-	-	-			
8 CH#8						-			-	-	-			
9 CH#9						-			•	-	-			
10 CH#10						-			-	-	-			
11 CH#11						-			-	-	-			
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13 CH#13						-			-	-	-			
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19 CH#19						-			-	-	-			
20 0000				- Tool				and a			_			
for Radio). HIGHL	CE File Database. (IGHTED records in	LICK a Reco dicate selecte	rd to Select or Ui d.	nselect reco	ords to	be loaded	into the	LOWER D	ATABASE					

- 3. Once you've selected all the frequencies you would like to monitor in that bank, click on the **Edit** menu option on the top menu bar.
- 4. Select Paste Highlighted Frequencies to Lower Bank.

Be iles	arcat E-So Edit Load	anner Files = J/Read Radio	E-Scan r Database	ner\Las Ve View Help	gas Fire Dep Debug Tr	artment unk DB So	<mark>556</mark> - urce Lo	Radio = aded E	= BC250 xit	- Select	ed = 6				_	8
_	Paste H	lighlighted FREC	QUENCIES	to Lower Da	atabase		Flee	tiD		User		1 0	Citu	State	Svs	Tv 🔺
Rec	Paste H	lighlighted FLEE	T IDs to L	ower Databa	ase	iA9	4315	2 CO/	LAS VEG	AS FD INS	SPECTIO	LAS VE	GAS	NV	Ili	
Rec	Paste C	LIPBOARD Low	er Databa	ise Bank	Ctrl+	-V 145	4139	3 CO7	LAS VEG	AS FD TA	C CH 10	LAS VE	GAS	NV	lli	
Rec	Select A	All Records in Sc	ource File			iAS	4123	2 HEN	DERSO	I FIRE DE	PT DISP	HENDE	RSON	NV	lli	
Rec	Clear A	l Highlighted Re	ecords in 9	iource File		i AS	600-	B HEN	DERSO	PD (CHA	NNEL 1)	HENDE	RSON	NV	Ili	_
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Ĺ		Bank 9		1	Bank II	,		ľ	Src	h Ranges		Ľ		Misc		
		Bank 5			Bank 6		Ĩ		Ba	nk 7		ľ	1	Bank 8		
	B	ank 1	Ľ		Bank 2		Υ [·]		Bank	: 3	Ύ		Ba	ink 4		
	Rec #	Frequency		Descript	ion	Trunk	ATT	Delav	Beep	Record	Mode	Steps	Tones	L/0	Priority	T -
1	CH#1								•		-	-		•		
2	CH# 2	<u> </u>							- 💷		-	-	•	•		
3	CH# 3								- 💷		-	-		•		
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5	CH#5					-					-	•	•	·		
6	CH# 6					-					-	•	•	· 💾		
7	UH# 7										-	•				-
8	CU# 0										-	•				8
9	CH# 3											Ě				-
11	CH# 10											Ě				-
12	CH# 12								-		÷	÷				
12	CH#13					1			-		· ·	÷				
14	CH# 14								-		· ·	- -				
15	CH# 15								-		-	-				
16	CH# 16										-	-				
17	CH# 17								-		.	-		· 🗆		
18	CH# 18								- 🗆		-	-		•		
19	CH#19								-		-	-		•		
														1000		
27	CU# 20		•													

NOTE: If you've highlighted/selected a frequency by mistake or would like to de-select it, click on the frequency again and it will be de-selected.

Select only the amount of channels that can be stored in each of your scanners banks, 30, 50 or 100 depending upon the unit.

If you do not fill the bank's channels and then later decide to add additional frequencies, the new frequencies will automatically be placed in the open channels. It will not over-write previously stored frequencies. In order to over-write previously stored frequencies, you must clear the bank and then insert the new frequencies. To clear stored frequencies in a bank go to the **Edit** menu option and then select **Erase Records in Lower Bank**.

Once you have programmed a "Bank" and are ready to program the next "Bank", you must clear the highlighted records chosen from the "Source Files". Go to **Edit** and then select **Clear all Highlighted in Source File**.

🍋 Ca	l 1 Row 1														_	8 ×
Files	Edit Loa	d/Read Radio	Database	View Help I	Debug Trun	k DB So	urce Lo	aded Exit								
	Paste H	lighlighted FRE	QUENCIES	to Lower Data	base		Flee	HD .		User			City	State	e Sys	Ty ▲
Rec	Paste H	lighlighted FLEE	T IDs to Lo	ower Database		iAS	4113	6 CO/LA	S VEG.	AS FD CH	6 SOUTH	LAS VE	GAS	NV	lli	
Rec	Paste (LIPBOARD Low	er Databa	se Bank	Ctrl+V	iAS	4110	4 CO/LA	S VEG.	AS FD CH	5 NLV	LAS VE	GAS	NV	lli	
Rec	Select /	All Records in Si	ource File			iAS	4107	2 CO/LA	IS VEG.	AS FD CH	4 WEST	LAS VE	GAS	NV	Ili	
Rec	Clear A	ll Hiahliahted R	ecords in S	ource File		iAS	4104	0 CO/LA	S VEG.	AS FD CH	3 EAST	LAS VE	GAS	NV	lli	
Rec	Move a	Bank to Anoth	er hank			iAS	4100	8 CO/LA	S VEG.	AS FD CH	2 WEST	LAS VE	GAS	NV	lli	
Rec	Frace r	ecords in Select	ed Lower I	Baok		iAS	4097	6 CO/LA	S VEG.	AS FD CH	1 EAST	LAS VE	GAS	NV	lli	•
•	Other	00010311130100	.00 200001	bank		•										
		Bank 9			Bank TU			í –	Srcł	n Ranges		Υ ΄		Misc		
		Bank 5	Y		Bank 6		Υ		Ba	nk 7		ſ	В	ank 8		
	В	ank 1	Ľ		Bank 2		Ϋ́		Bank	3	Υ		Bar	k 4		
	Rec #	Frequency		Description	1	Trunk	ATT	Delav	Beep	Record	Mode	Steps	Tones	L/0	Priority	
1	CH#1	855.7125	HENDEF	SON FIRE D	-			-			•	•	•			
2	CH#2	856.2125	HENDEF	SON PD (CH				-			-	-	-			
3	CH#3	856.2625	CO/LAS	VEGAS FD				•			-	+	-			
4	CH#4	856.4375	CO/LAS	VEGAS FD				-			-	-	•			
5	CH#5	856.7125	CO/LAS	VEGAS FD				•			-	-	-			
6	CH#6	856.7625	CO/LAS	VEGAS FD				-			-	-	-			
7	CH#7	857.4875	HENDEF	SON PD (CH				-			-	-	-			
8	CH#8	857.7625	CO/LAS	VEGAS FD				-			-	-	-			
9	CH# 9	858.7625	CO/LAS	VEGAS FD				-			-	-	-			
10	CH# 10	859.2625	CO/LAS	VEGAS FD				•			-	-	-			
11	CH# 11	859.4625	CO/LAS	VEGAS FD				-			-	-	-			
12	CH#12	859.9375	CO/LAS	VEGAS FD				-			-	-	-			
13	CH#13	860.2625	CO/LAS	VEGAS FD				-			-	-	-			
14	CH# 14	860.4375	CO/LAS	VEGAS FD				-			-	-	-			
15	CH# 15	860.4875	CO/LAS	VEGAS FD				-			-	-	-			
16	CH# 16	860.9375	CO/LAS	VEGAS FD				-			-	-	-			
17	CH# 17							-			-	-	-			
18	CH#18							-			•	-	-			
19	CH#19							-			•	-	-			
11	CU# 20							-				_	_	100		
Mov	e mouse ov	er controls to se	e "Un-Line	e Help"												

PROGRAMMING TRUNKED FREQUENCIES

For Programming Trunked Frequencies, start by following the same instructions as described for "Programming Conventional Frequencies" previously. However, once you have pasted the trunked frequencies into the lower database, you must check the **TRUNK** button to indicate it is a trunked frequency. Since both trunked and conventional frequencies can be programmed into one bank, this identifies which frequencies are apart of a trunked system.

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Files	Edit Load	d/Read Radio	Database	e View He	lp Debug Trur	ik DB Soi	urce Lo	aded E	×it							
	Rec #	Settings	Frequ	ency	System		Flee	tID		User			City	State	Sys_T	y 🔺
Rec	#6		859.4625		CLARK CO./LAS	VEGAS	4113	16 CO7	LAS VEG	AS FD CH	I6 SOUTH	LAS VE	EGAS	NV	lli	
Rec :	#5		859.9375		CLARK CO./LAS	VEGAS	4110	14 CO7	LAS VEG	AS FD CH	5 NLV	LAS VE	EGAS	NV	lli	
Rec :	#4		860.2625		CLARK CO./LAS	VEGAS	4107	'2 CO7	LAS VEG	AS FD CH	4 WEST	LAS VE	EGAS	NV	lli	
Rec :	#3		860.4375		CLARK CO./LAS	VEGAS	4104	10 CO/	LAS VEG	AS FD CH	3 EAST	LAS VE	EGAS	NV	lli	
Rec	#2		860.4875		CLARK CO./LAS	VEGAS	4100	18 CO7	LAS VEG	AS FD CH	2 WEST	LAS VE	EGAS	NV	lli	
Rec	#1		860.9375		CLARK CO./LAS	VEGAS	4097	'6 (CO7	LAS VEG	AS FD CH	1 EAST	LAS VE	EGAS	NV	l Ili	
•																
Í		Bank 9		ľ	Bank 10			ľ	Srel	h Ranges		ľ		Misc.		
ſ		Bank 5		Í	Bank 6		Y		Ba	nk 7			В	ank 8		
	В	ank 1	- Y		Bank 2				Bank	: 3			Bar	ik 4		
	Bec #	Frequencu		Descri	otion	Trupk	ΔΤΤ	Delau	Been	Becord	Mode	Stens	Tones	1.70	Prioritu	
1	CH#1	855.7125	HENDE	RSON FIRE	E D	Z		- D'Cidy	-		- mode	▼	T OHICS ▼		THORE	
2	CH# 2	856.2125	HENDE	RSON PD I	СН	M					-	-	-			
3	CH#3	856.2625	CO/LAS	VEGAS FE)	Ľ			- 🗆		-	-	-			
4	CH# 4	856.4375	CO/LAS	VEGAS FE)	M			-		-	-	-			
5	CH# 5	856.7125	CO/LAS	VEGAS FE)	Ľ			•		-	-	•			
6	CH# 6	856.7625	CO/LAS	VEGAS FE)				-		-	-	-			
7	CH# 7	857.4875	HENDE	RSON PD	CH				- 🗆		-	-	•			
8	CH# 8	857.7625	CO/LAS	VEGAS FE)				- 🗆		-	-	•			
9	CH# 9	858.7625	CO/LAS	VEGAS FE)				- 🗆		-	-	•			
10	CH#10	859.2625	CO/LAS	VEGAS FE)				- 🗆		-	-	•			
11	CH# 11	859.4625	CO/LAS	VEGAS FE)				- 🗆		-	-	•			
12	CH#12	859.9375	CO/LAS	VEGAS FE)				- 🗆		-	-	•			
13	CH#13	860.2625	CO/LAS	VEGAS FE)				-		-	-	•			
14	CH#14	860.4375	CO/LAS	VEGAS FE)				-		-	-	-			
15	CH# 15	860.4875	CO/LAS	VEGAS FE)				-		-	-	-			
16	CH# 16	860.9375	CO/LAS	VEGAS FE)				-		-	-	-			
17	CH#17								-		-	-	-			
18	CH# 18								-		-	-	-			
19	CH#19								-		-	-	-			
A.	00					and a			- 1 - 1		- 1	_	-			۶ſ
Move		er controls to	ee "OnJ in	e Helo"								_				-
		21 00111010 (01	Joo on en	0p												

PROGRAMMING TRUNKED SYSTEMS INTO THE SCANNER

After the frequencies for a trunked system have been placed and checked in the lower section for channels and banks, you will now need to configure the type of system you want the scanner to monitor; Motorola Type I, Type II, UHF/VHF, M/A-Com/Ericsson EDACS Narrow, EDACS Wide, EDACS SCAT, or LTR.

To select the trunk type, you will need to move the lower aqua colored database to the green Talk Group/Fleet ID section using the bottom scroll bar.

Rec #	Set	tings	Frequen	су		System	FleetID		User		City	State	Sys_T	
:#6		859	.4625		CLARK	CO./LAS VEGAS	3 41136	CO/LAS	VEGAS FD CH6 SOUTH	I LAS \	/EGAS	NV	lli	
:#5		859	.9375		CLARK	CO./LAS VEGAS	6 41104	CO/LAS Y	VEGAS FD CH 5 NLV	LAS \	/EGAS	NV	lli	
;#4		860	.2625		CLARK	CO./LAS VEGAS	6 41072	CO/LAS	VEGAS FD CH 4 WEST	LAS \	/EGAS	NV	lli	
:#3		860	.4375		CLARK	CO./LAS VEGAS	6 41040	CO/LAS Y	VEGAS FD CH 3 EAST	LAS \	/EGAS	NV	lli	
#2		860	VEGAS FD CH 2 WEST	LAS \	/EGAS	NV	lli							
:#1		860	.9375		CLARK	CO./LAS VEGAS	6 40976	CO/LAS \	VEGAS FD CH 1 EAST	LAS \	/EGAS	NV	lli	
Bank 9 Bank 10 Srch Ranges Misc.														
Bank 5 Bank 6 Bank 7 Bank 8														
Darik 5 Darik 6 Bank 7 Bank 8 Bank 1 Bank 2 Bank 3 Bank 4														
Becord	Mode	Stens	Tones	1.70	Priority	ScanLists	Groun II	DS	Group Description		Trunk	SYS Settin	ns	
	-	-		-		List 1-1					Trunk S	ystem Type		
	-	-		-		List 1-2					Mot Typ	el	-	
	-	-		· 🗆		List 1-3					Mot Typ	el		
	-	-	•	-		List 1-4					Mot Typ	e II 800		
	-	-	· ·	· 💷		List 1-5					Mot Typ	ell LIHF		
	-	-	· ·			List 1-6					Mot Typ	e II VHF		
	-		· ·			List 1-7					EDACS	Wide	-	
	-					List 1-8					Mok	vola L CALI		
	÷	i i				List 1-10					OFF	JIUIA PUALI	-	
	Ť	Ť				List 2-1					on			
	-	-				List 2-2					Motor	ola End Co	de	
	-	-		-		List 2-3					OFF		-	
	-	-		-		List 2-4								
	-	-		-		List 2-5					Motor	ola Ctrl Cha	an	
	-	-		-		List 2-6					OFF		-	
	-	-	•			List 2-7								
	-	-				List 2-8					MOT	Fleet Map		
	-					List 2-9					Block 0		-	
ATT 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- I	·	-			1.00010					I DI1. 1	Cine A		

Note: You can locate the Trunk System Type information from <u>http://www.bearcat1.com/fleet.htm</u> or from other sources located on the internet.

Motorola Type I Trunked Systems:

You will need to program the "Mot Fleet Map" into the program.



Motorola VHF/UHF Trunked Systems

To properly track Motorola VHF and UHF trunked systems you must enter what is known as the Base Configuration. The Base Configuration is comprised of the Spacing Frequency, Step and Offset Channels for each system.



EDACS Trunked System Frequencies

When you program EDACS frequencies, it is critical that you store each one in the CORRECT LOCATION. By the nature of EDACS systems, this is necessary for tracking. This often is not the frequency order, so you must be sure you have the right sequence. Sources for this information can be found at <u>http://scanner.uniden.com/</u>.

PROGRAMMING TALK GROUP/FLEET ID'S

Once you have loaded the trunked frequencies and configured the trunked system type in the lower channels and banks section, you are now ready to load Talk Group/Fleet ID's into the lower channels and banks section.

1. Clear the highlighted frequencies in the upper source section. Go to **Menu** on the top menu bar and select **Clear All Highlighted Records in Source File**.



2. Looking at the sixth section of the upper source database titled "User", select the users you would like to monitor by clicking once on the listing.

							Talk	Group/I	Fleet	: ID		ser			
Be Files	arcat E-9 Edit Loa	icanner ad/Read F	Files = Radio	= E-Sc Datab	anner ^v Jase Vie	Las w H	/egas Fir elp Debu	e Department ig Trunk DB Sou	556 - F	tadio ded l	= BC250 - Sele ted = 2 Exit				
	Rec #	Sett	inas	Fre	auency	,		Sustem	Fleet	Л	User	Т	City	State	Sus Tu 🔺
Rec	# 11		8	56.712	5		CLARK (CO./LAS VEGAS	41744	CO.	LAS VEGAS FD FIREGROU	N L	AS VEGAS	NV	lli
Rec	#10		8	56.762	5		CLARK (CO./LAS VEGAS	41424	CO.	/LAS VEGAS FD FIREGROU	IN L	AS VEGAS	NV	())
Rec	#16		8	57.487	5		CLARK (CO./LAS VEGAS	600-9	HE	NDERSON PD (CHANNEL 2) H	IENDERSON	NV	lli
Rec	#9		8	57.762	5		CLARK (CO./LAS VEGAS	41808	CO.	/LAS VEGAS FD EMS CONT	RL	AS VEGAS	NV	lli
Rec	#8		8	58.762	5		CLARK (CO./LAS VEGAS	41010	<u></u>	LAS VEGAS FD EMS CONT	RL	AS VEGAS	NV.	<u>lli</u>
Rec	# 7		8	59.262	5		JULARK (CU./LAS VEGAS	41264	CO.	/LAS VEGAS FD AIRPORT		AS VEGAS	INA	<u> </u>
<u>ا</u>															
L	Bank 9 Bank 10 Srch Ranges Misc.														
	Bank 9 Bank 10 Strch Ranges Misc. Bank 5 Bank 6 Bank 7 Bank 8														
	E	Bank 1			Ĩ		Bank	. 2	ľ		Bank 3	ľ	Ba	nk 4	
	Becord	Mode	Ster	ns T	ones	1.70	Prioritu	ScanLists	Groun	UDS	Group Description		Trunk S	YS Settir	
1		- INICOLO	0.01	•	-		THORY	List 1-1	aroac	100	Choub b coonbilon		Trunk Sys	tem Type	
2		-		•	•			List 1-2					Mot Type	1	•
3		-		-	•			List 1-3							
4		•		-	•			List 1-4					HOTOTO	ACCTT	
5				-				List 1-5 List 1-6					MOTOTO	Chatus Bi	NGS
7		- -		Ŧ	÷.			List 1-7					OFF	Status Di	-
8		-		-	•			List 1-8							
9		-		•	•			List 1-9					Motor	ola I-CALI	-
10		-		•	•			List 1-10					OFF		T
11		-		•	•			List 2-1						5 10	
12		-		-	•			List 2-2					Motorol	aEndlo	de
14		-		-	- -			List 2-3					UFF		
15		· ·		-	· •			List 2-5					Motoro	la Ctrl Chi	an
16		-		-	-			List 2-6					OFF		-
17		-		-	-			List 2-7							
18		-		-	•			List 2-8					MOT	Fleet Mar	
19		-		-	-			List 2-9					Block 0 S	ize 8	•
Ĩ		-			_										
Mov	e mouse o'	ver contro	ils to se	ee "On-	Line He	elp"									

MANUALLY ENTER FREQUENCIES

To manually enter frequencies, place your mouse over the channel in the "Frequency" column where you would like to enter the frequency and double click.

You will see the cursor begin to blink. Go ahead and enter the frequency and when finished press **Enter** on your keyboard.

Note: Frequencies cannot be changed/edited in the upper source database with this program.



MANUALLY ENTER CHANNEL AND TALK GROUP ALPHA TAGS

To manually enter channel and talk group alpha tags, place your mouse over the channel and "Description" column or "User" (Talk Group) column in the lower database and double click.

You will see the cursor begin to blink. Enter the Text or Alpha Tag for the channel or user. When finished press **Enter** on your keyboard.

Note: Alpha Tags cannot be changed/edited in the upper source database with this program.



SOURCE FILE FREQUENCY COUNTER

To find out how many frequencies you have selected, simply place the mouse over the **Source File** of frequencies displayed in the top half of the program, and don't move the mouse. The program will automatically indicate how many frequencies you've selected to be programmed into the specified bank below.

In addition, it will tell you the total number of frequencies listed in the "Source File" and how many total frequencies you've selected for all channels and banks.

SORT SOURCE FILE INFORMATION

The information in the top database can be sorted in ascending or descending order to ease your selections:

- 1. Place the mouse on a "Column" title to sort.
- 2. To sort in Ascending order, left click the mouse.
- 3. To sort in Descending order, **right** click the mouse.

MOVE OR COPY BANKS

To move one Bank to another location:

- 1. Click **Edit** option from the top menu bar.
- 2. Click Move a bank to another bank.
- 3. Input the number of the bank you want to move in the box titled "Source".
- 4. Input the number of the bank where you would like the frequencies to be stored in the box titled "Target".
- 5. If you want to copy, check the option **Copy** the Source bank will be retained. If you want to move, check the option **Move** the Source bank will be deleted.
- 6. Press Accept (or) Cancel to abort.

🚰E-Scanner Files = E-Scanner\Sample_Source.txt - Radio = BC250 - Selected = 20										
Files Edit Load R	adio Hel	lp Exit								
Rec #		Base –	Copy/Movel	another Bank	Licensee					
Rec # 89	156.2750		IARINE POF					RT OPERATIONS		NATION
Rec # 90	156.3250		Source 12			IABI	ARINE PORT OPERATIONS			NATION
Rec # 91	156.3500		Target 5			IABI	ARINE COMMERCIAL OPERATIONS			NATION
Rec # 92	156.3750		C Copu			ARINE COMMERCIAL OPERATIONS			NATIONW	
Rec # 93	# 93 156.4000		ARINE				NE CO	MMERCIAL OPERA	NATIONW	
Bec # 94	156.4500		Cancel	Accept	ABINE COMMERCIAL OPERATIONS			TIONS		
Bank 6	Bank 6 Ba		k7 Bank8			Υ	Bank 9	Υ	Bank 10	
Bank 1	Bank 1 Banl		2 Bank 3			Υ		Bank 4	Bank 5	
			, <u> </u>		E.			1		
Hec #	100 Tre	rquency	AIDCDAFT		ense Name			4		
	122.7000) 1		UNICO	M CHANNEL			{		
CH # 102	146 6400	, 1		TWO N		ATER		1		
CH # 104	146.7000		AMATEUR TWO METER REPEATER				1			
CH # 105	146.7300)	AMATEUR	TWON	IETER REPE	ATER		1		
CH # 106	146.9100)	AMATEUR	TWO N	IETER REPE	ATER		1		
CH # 107	152.3150)	TAXICAB C	OMPA1	NIES]		
CH # 108	152.3450)	TAXICAB C	OMPAI	NIES					
CH # 109	152.3600)	TAXICAB C	:OMPAI	NIES					
CH # 110	154.1600)	FIRE DEPA	RTME	NTS					
CH # 111	154.1750	2	FIRE DEPA		NTS			4		
<u>CH # 112</u>	154.2050		FIRE DEPA	RTME	NTS			4		
	[154.34UU	J	THRE DEPA	RIME	NTS					_
This is the PERSONAL File Database -DOUBLE Click on Record Selects / Unselects "Trunking Assignment" - Press "INS" key to Insert Record - Press "DEL" to Delete Record - RIGHT CLICK to edit record.										

PROGRAM FREQUENCIES INTO SCANNER

After you have placed the frequencies into the lower bank, it is now time to transfer those frequencies into your scanner. Each bank must be transferred to your scanner one at a time.

Note: For Trunked Systems, you will need to load both Frequencies and Fleet ID's. See "PROGRAM FLEET ID's INTO SCANNER below.

- 1. Select the "Bank" you want to transfer to your scanner.
- 2. Click on Load/Read Radio from the top menu bar.
- 3. Select Load Freqs in Selected Bank to Radio.



4. Click OK.



5. Next you can add an alpha tag for labeling the Bank. If your scanner can support this feature, you will be able to see the text label on the scanner.



6. You will now see E-Scanner Plus program your scanner with the frequencies in your computer.

PROGRAM FLEET ID'S INTO SCANNER

Now that the frequencies have been programmed into the scanner, you must now program the Fleet ID's into the scanner. Each bank must be transferred to your scanner one at a time.

Note: For Trunked Systems, you will need to load both Frequencies and Fleet ID's. See "PROGRAM FREQUENCIES INTO SCANNER" above.

- 1. Select the "Bank" you want to transfer to your scanner.
- 2. Click on Load/Read Radio from the top menu bar.



3. Select Load Fleet ID's in Selected Bank to Radio.

3. You will now see the E-Scanner Plus program the Fleet ID's on the computer screen into your scanner.

Note: The scanner display will not change as it did when programming the channels.

SAVE CHANNEL AND BANK SETTINGS

If you want to save the lower database then follow these instructions:

1. Click on Files.

2. Select Save Personal Database.

3. Choose a filename.

4. Click OK.

The next time you load this file, all the settings will be preserved.

PRINTING OPTIONS

From the "Source" database you can either print all frequencies by clicking on the **Select all Records in Source File** from the **Edit** menu option or you can print only the highlighted records, which you select. Once you've setup what you want to print click on the **Print Upper Source Database** from the **Files** option in the upper menu bar.

You can also print each bank individually or all the banks from the **Print** menu option located under the **Files** option on the top menu bar.

AUTOMATICALLY LAUNCH SOURCE FILES AND PERSONAL SETTINGS

If you typically use the same "Source Database" (placed in the top half of E-Scanner) of frequencies for your City, County or State, E-Scanner can automatically load that file into the program.

Uniden currently has the Sample Source file automatically loading into the top section.

In addition, if you use the same "Personal Database" (placed in the bottom half of E-Scanner) of your favorite frequencies to monitor, E-Scanner can automatically load that file into the program. See instructions below to setup the automatic launch functions.

A. SOURCE FILE FREQUENCY DATABASE

- 1. Double click on the white input box located above the title "Source Database" and click on the Source Frequency Database (Source Frequency Database is the software file containing frequencies for your City, County, State, NASCAR, etc.)
- 2. This file will now load automatically in the top section of E-Scanner when you start the program.

B. PERSONAL DATABASE SETTINGS

- 1. Double click on the white input box located above the title "Personal Database" and click on the saved Personal Database of your choice. (Personal Database is the Saved Personal Settings of the frequencies you programmed into the channels and banks for your scanner using the frequencies from the Source Database.)
- 2. This file will now load automatically in the bottom section of E-Scanner when you start the program.

If you want to turn off the Auto-Launch feature, simply click on the **Check Mark** located in the check box next to the title "Auto-Launch Database".

MISALIGNED TEXT ON BUTTONS AND CONTROLS

If you notice some of the controls or text on controls misaligned, it may be due to your Video display being set for "Large Fonts". Changing your display settings to "Small Fonts" will cure this problem.

Tips: Pasting from Excel or similar 3rd party database programs

- One basic alignment of the Excel spread sheet should be adhered to for best results. Frequency and Fleet ID columns and their descriptions should be next to each other. IE: A-B or C-D
- Highlight the cells to be pasted into the Personal database
- Press **Ctrl** + **C** to copy them to the clipboard
- Go to E-Scanner and click on the first cell where you want to start the "Paste"
- Press Ctrl + V

Copying a cell or group of cells from one area to another area or bank of the personal database grid.

- Highlight the cells to be copied
- Press **Ctrl** + **C** to copy them to the clipboard
- Click on the first cell where you want to start the "Paste"
- Press Ctrl + V

- It is possible to copy an entire bank to another bank by highlighting the entire bank to be copied and then pressing Ctrl + C to place the bank into the clipboard.