

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.bearcat1.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

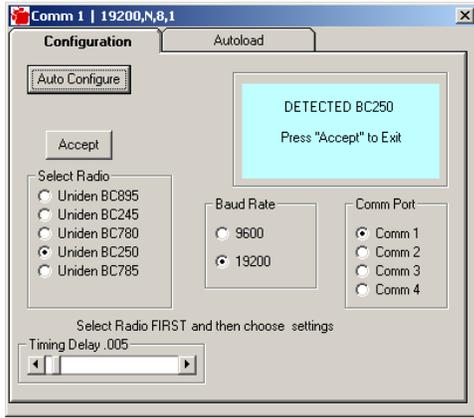
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E-SCANNER PLUS SECTIONAL OVERVIEW

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

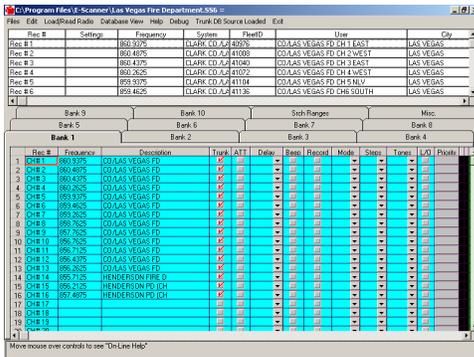
1. Setup Section



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

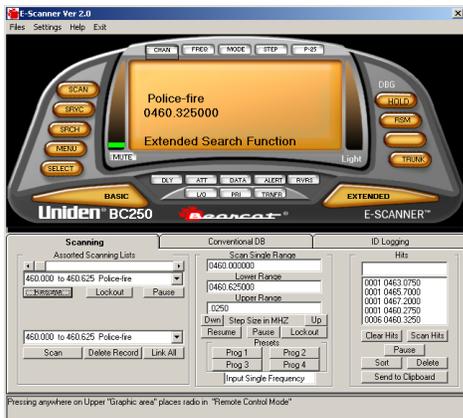
2. Programming Section



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.

3. Scanning Section



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

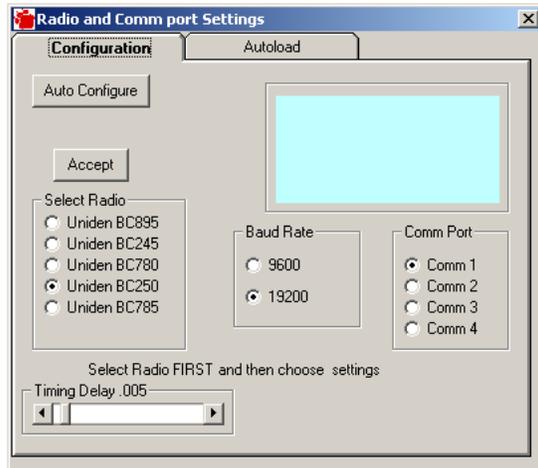
After you've loaded E-Scanner software onto your computer, you now must configure the software to communicate with your scanner.

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.



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.

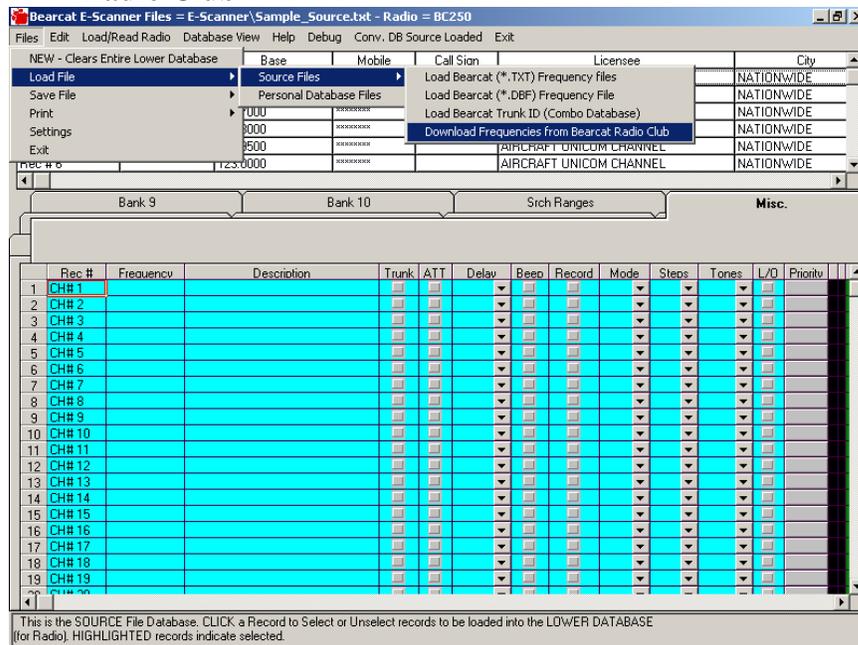
If you exit without clicking **Accept**, the settings will not be saved and you will need to re-configure the software next time you run the E-Scanner Plus program.

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, <http://www.bearcat1.com/etrunk.htm>
 - 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**



From there you can select **Download Frequencies and Fleet ID's**, which will connect you to a <http://www.bearcat1.com/etrunk.htm> where you can download trunked and conventional frequencies for your Agency, City, County and/or State.

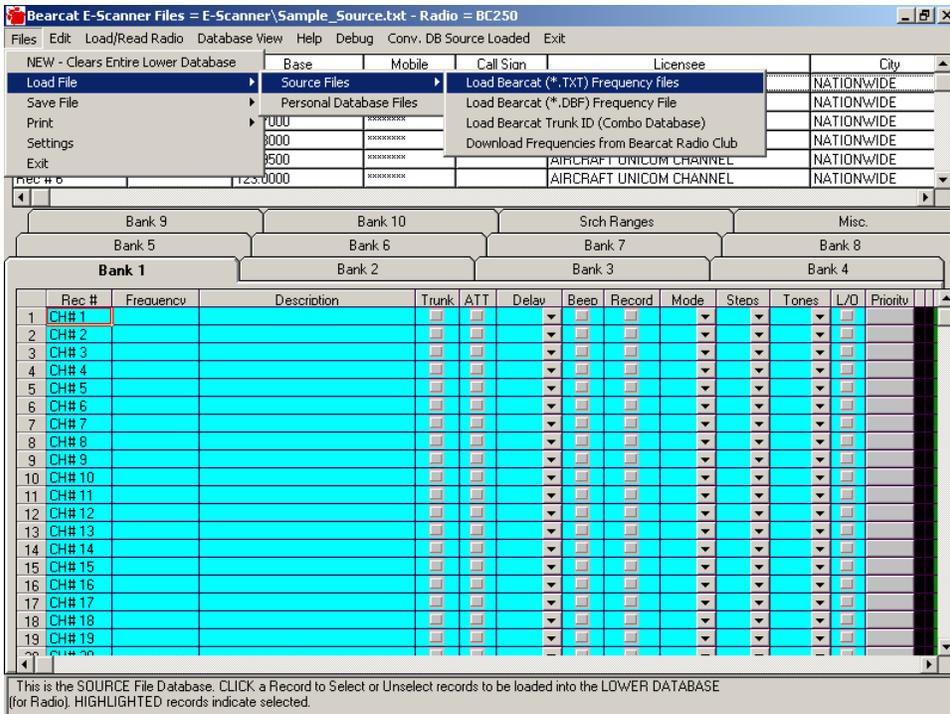


2. From Mr. Scanner and Betty Bearcat CD-ROM Frequency Guides, you can save the frequencies as “D-Base” files and load them into the program.

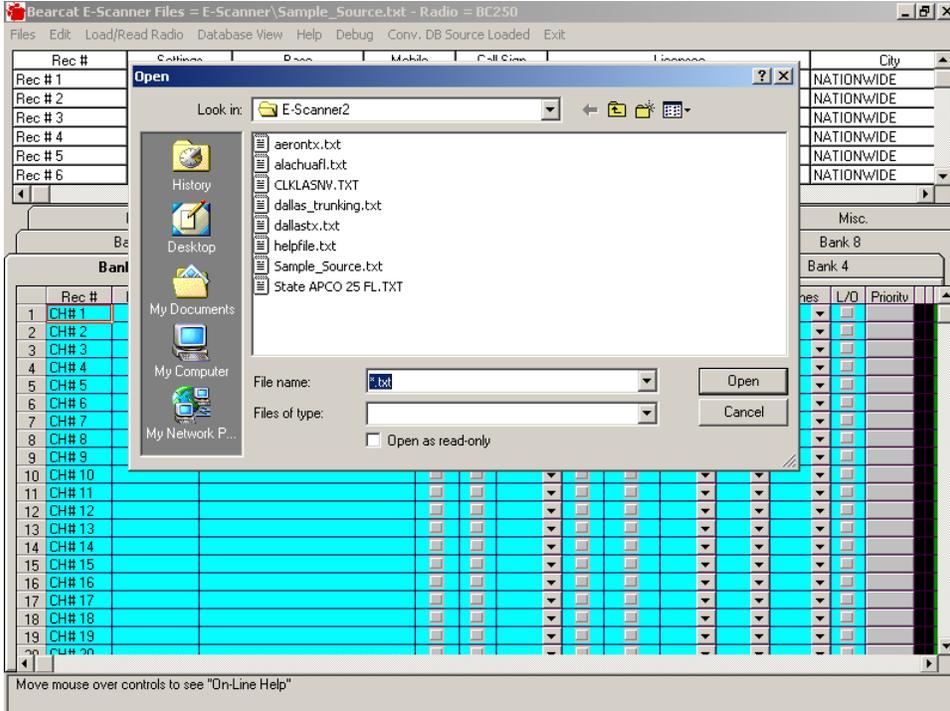
LOAD SOURCE FILE INTO E-SCANNER PROGRAM

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”).



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



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.

The screenshot shows the E-Scanner software interface. At the top, there is a table of source files with columns: Rec #, Settings, Frequency, System, FleetID, User, City, State, and Sys. Ty. Below this is a section for Banks, with tabs for Bank 1 through Bank 9. At the bottom is a large table of Channels with columns: Rec #, CH#, Frequency, Description, Trunk, ATT, Delay, Beep, Record, Mode, Steps, Tones, L/O, and Priority. Three blue arrows point from labels on the right to these sections: 'Source' points to the top table, 'Banks' points to the Bank 4 tab, and 'Channels' points to the Channel table.

Rec #	Settings	Frequency	System	FleetID	User	City	State	Sys. Ty
Rec # 1		860.9375	CLARK CO./LAS VEGAS	40976	CO/LAS VEGAS FD CH 1 EAST	LAS VEGAS	NV	lli
Rec # 10		856.7625	CLARK CO./LAS VEGAS	41424	CO/LAS VEGAS FD FIREGROUN	LAS VEGAS	NV	lli
Rec # 11		856.7125	CLARK CO./LAS VEGAS	41744	CO/LAS VEGAS FD FIREGROUN	LAS VEGAS	NV	lli
Rec # 12		856.4375	CLARK CO./LAS VEGAS	43152	CO/LAS VEGAS FD INSPECTIO	LAS VEGAS	NV	lli
Rec # 13		856.2625	CLARK CO./LAS VEGAS	41393	CO/LAS VEGAS FD TAC CH 10	LAS VEGAS	NV	lli
Rec # 14		855.7125	CLARK CO./LAS VEGAS	41232	HENDERSON FIRE DEPT DISP	HENDERSON	NV	lli

Rec #	CH#	Frequency	Description	Trunk	ATT	Delay	Beep	Record	Mode	Steps	Tones	L/O	Priority
1	CH# 1	860.9375	CO/LAS VEGAS FD	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
2	CH# 2	860.4875	CO/LAS VEGAS FD	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
3	CH# 3	860.4375	CO/LAS VEGAS FD	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
4	CH# 4	860.2625	CO/LAS VEGAS FD	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
5	CH# 5	859.9375	CO/LAS VEGAS FD	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
6	CH# 6	859.4625	CO/LAS VEGAS FD	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
7	CH# 7	859.2625	CO/LAS VEGAS FD	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
8	CH# 8	858.7625	CO/LAS VEGAS FD	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
9	CH# 9	857.7625	CO/LAS VEGAS FD	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
10	CH# 10	856.7625	CO/LAS VEGAS FD	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
11	CH# 11	856.7125	CO/LAS VEGAS FD	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
12	CH# 12	856.4375	CO/LAS VEGAS FD	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
13	CH# 13	856.2625	CO/LAS VEGAS FD	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
14	CH# 14	855.7125	HENDERSON FIRE D	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
15	CH# 15	856.2125	HENDERSON PD (CH	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
16	CH# 16	857.4875	HENDERSON PD (CH	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
17	CH# 17			<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
18	CH# 18			<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
19	CH# 19			<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
20	CH# 20			<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	

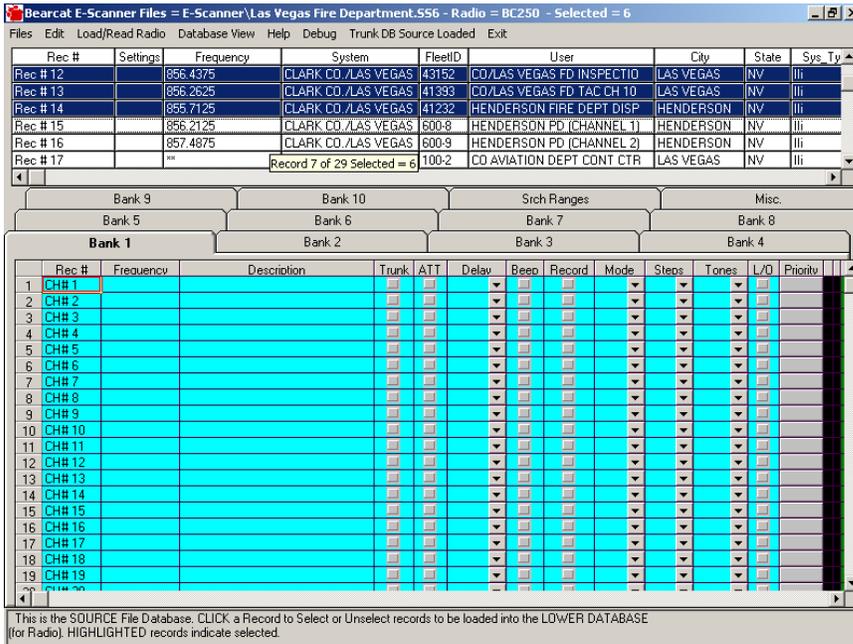
PROGRAMMING CONVENTIONAL FREQUENCIES

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.

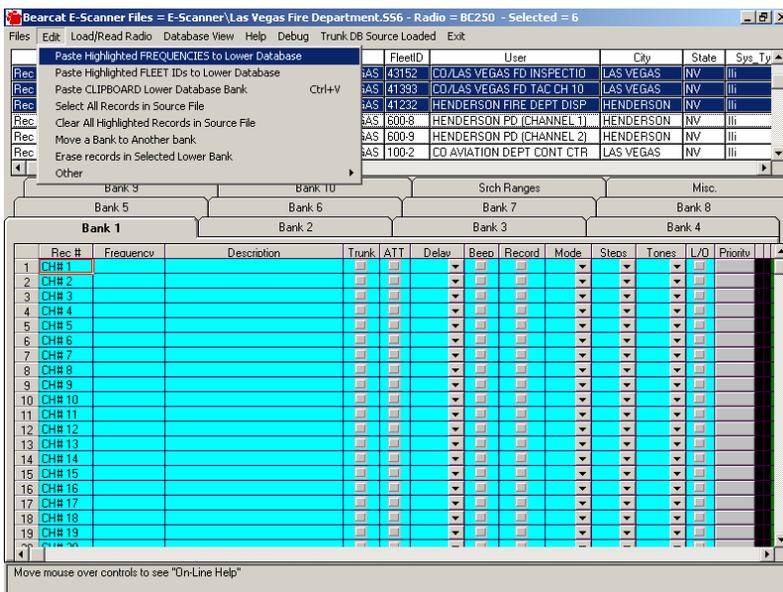
You can program the scanner's banks to reflect your monitoring preferences. For example, you may want to program each bank for a different city: Bank 1 is Dallas, Bank 2 is Fort Worth, etc. You could also program the banks based on the type of monitoring you want to do: Bank 1 could be programmed for 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.



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**.

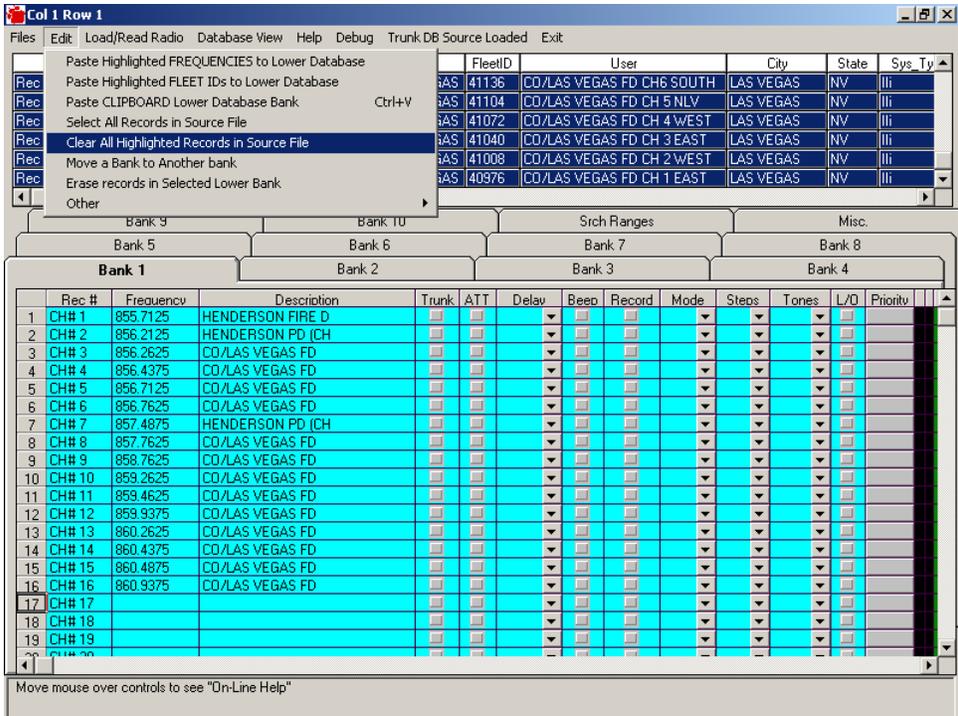


NOTE: If you've highlighted/selected a frequency by mistake or would like to de-select it, click on the frequency again and it will be de-selected.

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**.



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.

The screenshot shows a software window titled '4 6' with a menu bar: Files, Edit, Load/Read Radio, Database View, Help, Debug, Trunk DB Source Loaded, Exit.

The top table lists records with columns: Rec #, Settings, Frequency, System, FleetID, User, City, State, Sys. Ty.

Rec #	Settings	Frequency	System	FleetID	User	City	State	Sys. Ty
Rec # 6		859.4625	CLARK CO./LAS VEGAS	41136	CO/LAS VEGAS FD CH6 SOUTH	LAS VEGAS	NV	lli
Rec # 5		859.9375	CLARK CO./LAS VEGAS	41104	CO/LAS VEGAS FD CH 5 NLV	LAS VEGAS	NV	lli
Rec # 4		860.2625	CLARK CO./LAS VEGAS	41072	CO/LAS VEGAS FD CH 4 WEST	LAS VEGAS	NV	lli
Rec # 3		860.4375	CLARK CO./LAS VEGAS	41040	CO/LAS VEGAS FD CH 3 EAST	LAS VEGAS	NV	lli
Rec # 2		860.4875	CLARK CO./LAS VEGAS	41008	CO/LAS VEGAS FD CH 2 WEST	LAS VEGAS	NV	lli
Rec # 1		860.9375	CLARK CO./LAS VEGAS	40976	CO/LAS VEGAS FD CH 1 EAST	LAS VEGAS	NV	lli

Below this are tabs for Bank 9, Bank 10, Srch Ranges, Misc., Bank 5, Bank 6, Bank 7, Bank 8, Bank 1, Bank 2, Bank 3, Bank 4.

The main table below shows a detailed view of Bank 1 with columns: Rec #, Frequency, Description, Trunk, ATT, Delay, Beep, Record, Mode, Steps, Tones, L/D, Priority.

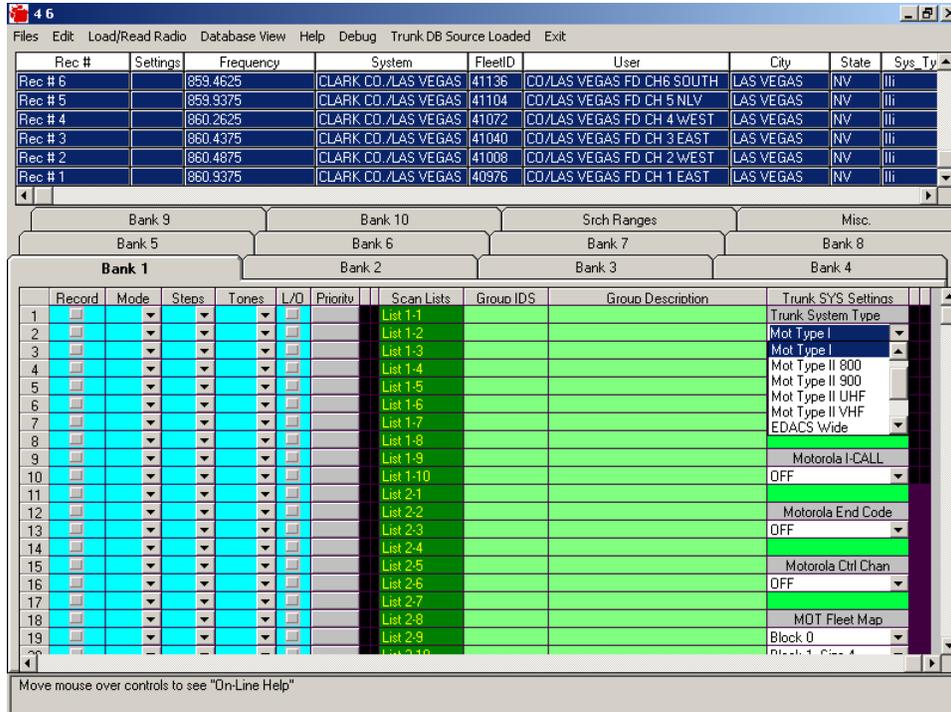
Rec #	Frequency	Description	Trunk	ATT	Delay	Beep	Record	Mode	Steps	Tones	L/D	Priority
1	CH# 1 855.7125	HENDERSON FIRE D	<input checked="" type="checkbox"/>	<input type="checkbox"/>								
2	CH# 2 856.2125	HENDERSON PD (CH	<input checked="" type="checkbox"/>	<input type="checkbox"/>								
3	CH# 3 856.2625	CO/LAS VEGAS FD	<input checked="" type="checkbox"/>	<input type="checkbox"/>								
4	CH# 4 856.4375	CO/LAS VEGAS FD	<input checked="" type="checkbox"/>	<input type="checkbox"/>								
5	CH# 5 856.7125	CO/LAS VEGAS FD	<input checked="" type="checkbox"/>	<input type="checkbox"/>								
6	CH# 6 856.7625	CO/LAS VEGAS FD	<input checked="" type="checkbox"/>	<input type="checkbox"/>								
7	CH# 7 857.4875	HENDERSON PD (CH	<input type="checkbox"/>	<input type="checkbox"/>	<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	CH# 8 857.7625	CO/LAS VEGAS FD	<input type="checkbox"/>	<input type="checkbox"/>	<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	CH# 9 858.7625	CO/LAS VEGAS FD	<input type="checkbox"/>	<input type="checkbox"/>	<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	CH# 10 859.2625	CO/LAS VEGAS FD	<input type="checkbox"/>	<input type="checkbox"/>	<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	CH# 11 859.4625	CO/LAS VEGAS FD	<input type="checkbox"/>	<input type="checkbox"/>	<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	CH# 12 859.9375	CO/LAS VEGAS FD	<input type="checkbox"/>	<input type="checkbox"/>	<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	CH# 13 860.2625	CO/LAS VEGAS FD	<input type="checkbox"/>	<input type="checkbox"/>	<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	CH# 14 860.4375	CO/LAS VEGAS FD	<input type="checkbox"/>	<input type="checkbox"/>	<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	CH# 15 860.4875	CO/LAS VEGAS FD	<input type="checkbox"/>	<input type="checkbox"/>	<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	CH# 16 860.9375	CO/LAS VEGAS FD	<input type="checkbox"/>	<input type="checkbox"/>	<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	CH# 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"/>	<input type="checkbox"/>
18	CH# 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"/>	<input type="checkbox"/>
19	CH# 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"/>	<input type="checkbox"/>
20	CH# 20		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

At the bottom, it says: Move mouse over controls to see "On-Line Help"

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.

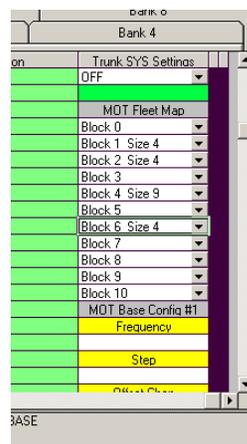
To select the trunk type, you will need to move the lower aqua colored database to the green Talk Group/Fleet ID section using the bottom scroll bar.



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

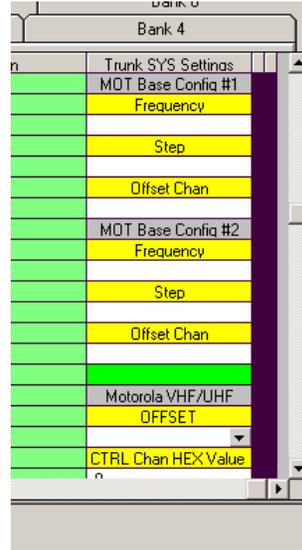
Motorola Type I Trunked Systems:

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 <http://scanner.uniden.com/>.

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.

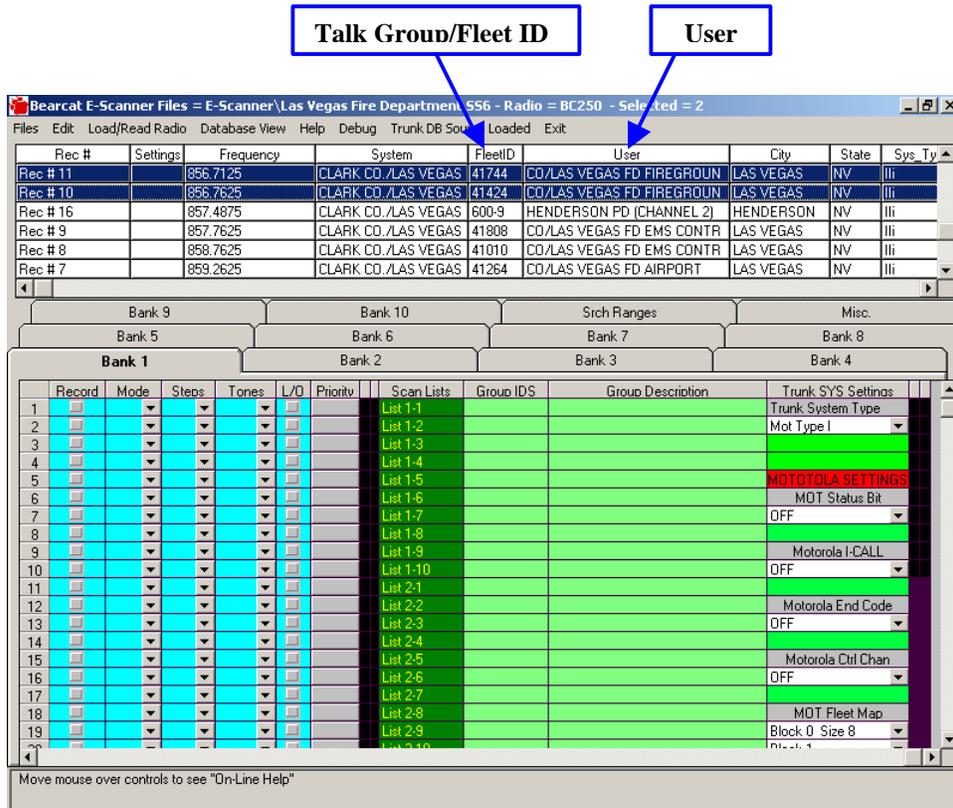
1. Clear the highlighted frequencies in the upper source section. Go to **Menu** on the top menu bar and select **Clear All Highlighted Records in Source File**.

The screenshot shows a software window titled "Col 21 Row 36" with a menu open. The menu options are:

- Paste Highlighted FREQUENCIES to Lower Database
- Paste Highlighted FLEET IDs to Lower Database
- Paste CLIPBOARD Lower Database Bank Ctrl+V
- Select All Records in Source File
- Clear All Highlighted Records in Source File** (highlighted)
- Move a Bank to Another bank
- Erase records in Selected Lower Bank
- Other

The main window displays a table with the following columns: Record, Mode, Steps, Tones, L/D, Priority, Scan Lists, Group IDs, Group Description, and Trunk SYS Settings. The 'Scan Lists' column contains entries from 'List 1-1' to 'List 2-9'. The 'Trunk SYS Settings' column contains various settings like 'Trunk System Type', 'Mot Type I', 'MOTOTOLA SETTINGS', 'MDT Status Bit', 'Motorola I-CALL', 'Motorola End Code', 'Motorola Ctrl Chan', 'MDT Fleet Map', and 'Block 0 Size 8'.

- 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.

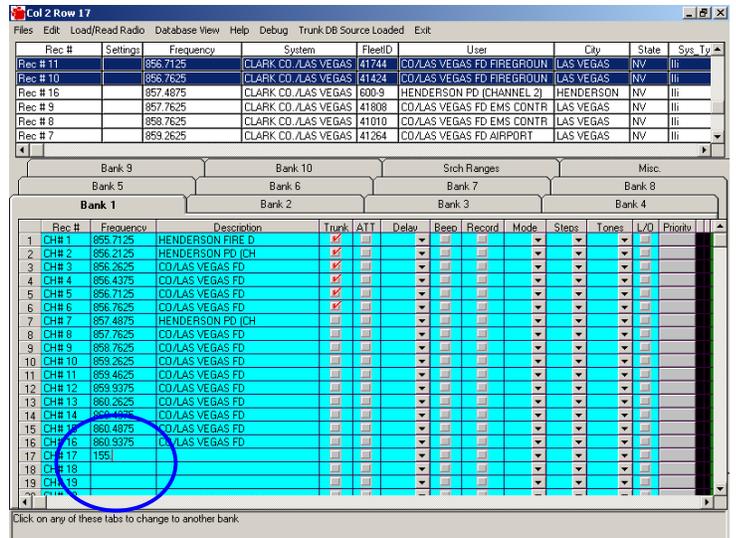


MANUALLY ENTER FREQUENCIES

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.

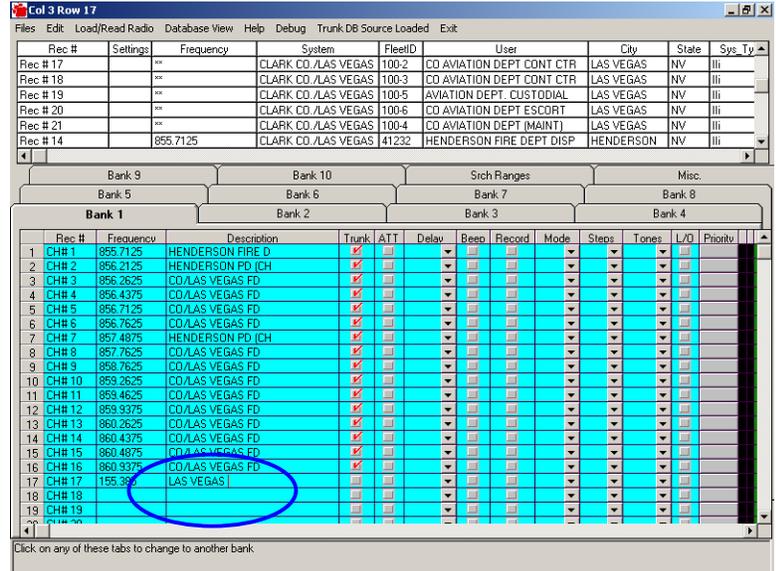


MANUALLY ENTER CHANNEL AND TALK GROUP ALPHA TAGS

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

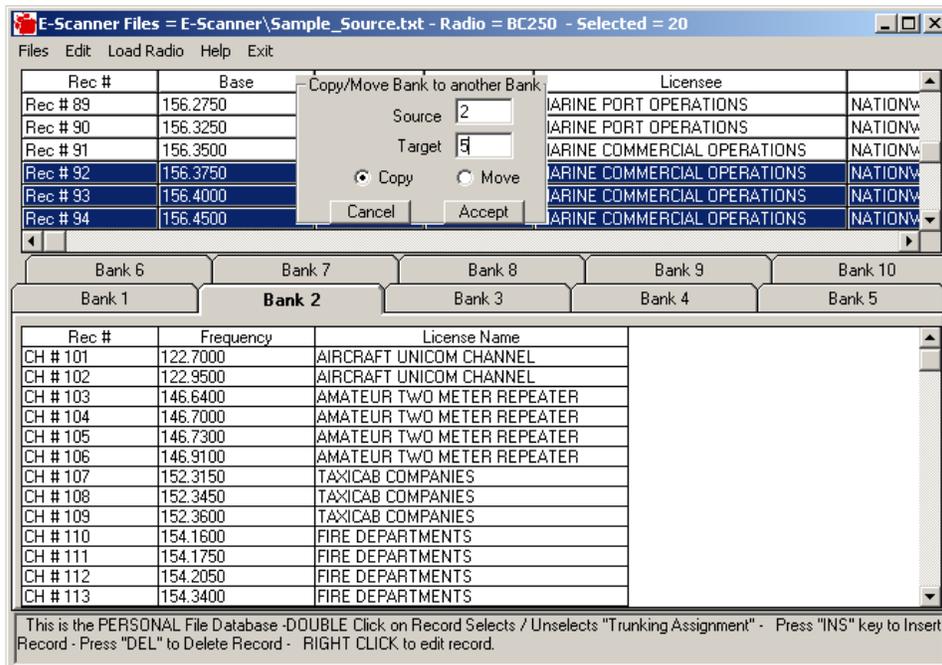
The information in the top database can be sorted in ascending or descending order to ease your selections:

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.

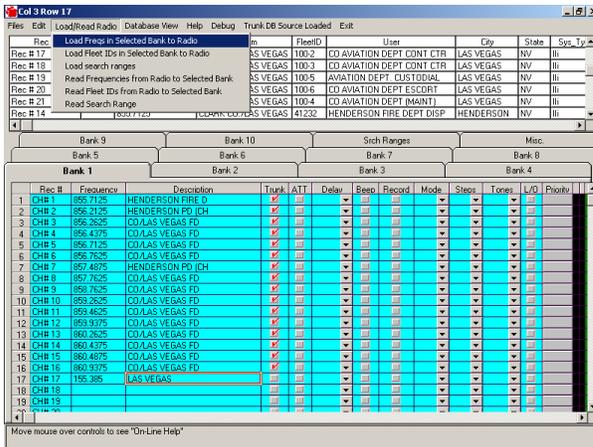


PROGRAM FREQUENCIES INTO SCANNER

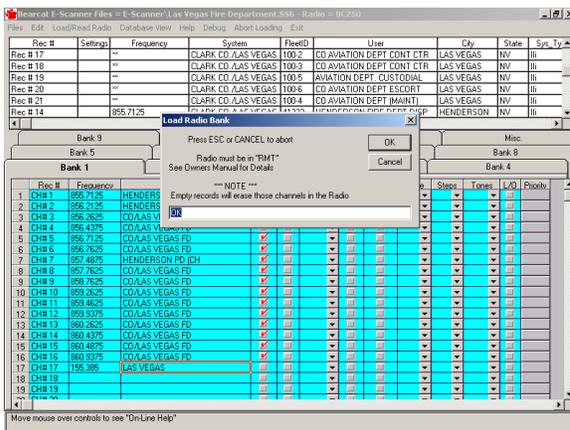
After you have placed the frequencies into the lower bank, it is now time to transfer those frequencies into your scanner. Each bank must be transferred to your scanner one at a time.

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

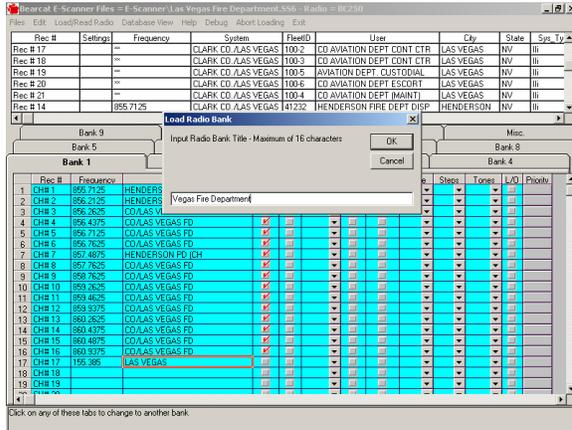
1. Select the "Bank" you want to transfer to your scanner.
2. Click on **Load/Read Radio** from the top menu bar.
3. Select **Load Freqs in Selected Bank to Radio**.



4. Click **OK**.



- 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.



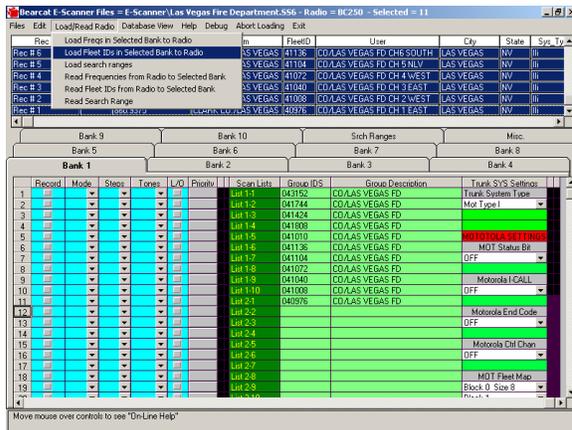
- You will now see E-Scanner Plus program your scanner with the frequencies in your computer.

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.

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