Service Search

The Service Search feature allows you to toggle through the following ten preprogrammed services. The frequencies selected for these services are the most commonly used around the U.S.

- 1: PUBLIC SAFETY
- 2: NEWS
- 3: TV BROADCAST
- 4: HAM RADIO
- 5: MARINE
- 6: RAILROAD
- 7: AIR
- 8: CB RADIO
- 9: FRS
- 0: SPECIAL (frequencies)

1. Press ***SRCH*** for 2 seconds. the display indicates as illustrated.

2. After a 3 second delay, searching begins for the first preprogrammed service – Public Safety (initial setting).
3. If you want to skip a frequency, press ***SRCH*** to start searching immediately.
4. To change the searched service, use ▲, ▼ or **VFO** after pressing **SRCH** for 2 seconds.

Note: • You can not change such settings as delay, during a service search.
- The channel number corresponding to certain services will appear when a frequency within the search is active.
- You can enter one of the Service Search frequencies into Channel Memory by pressing ***E*** when holding on one of the frequencies.
- Special Frequencies are low-power, itinerant, FRS, "splinters" and other frequencies which are commonly used at special events and other locations and may or may not be licensed.

5. To exit from the service search mode, press ***MAN*** or ***SCAN***.

During the search of one of the preprogrammed services, the lower display line will indicate the service that you are searching. To stop the search, press ***HOLD/***▲. HOLD appears in the display. Press ***HOLD/***▲ or ***LIMIT/***▼ to move up or down one programmed frequency, or press ***SRCH*** to resume scanning.

Service Search Skip

You can set the scanner to skip the frequencies unwanted during service search. 100 skipped frequencies are programmable.

1. To skip over a frequency, press ***L/O*** when stopping at the frequency you want to skip.

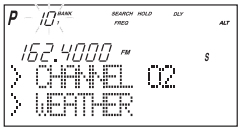
2. To cancel a skip during search, press ***HOLD/***▲, tune in the desired frequency using ▲, ▼ or **VFO,** then press ***L/O***.

   To restore all skipped frequencies, press ***L/O*** for 2 seconds.

Weather Channel Search

To hear preprogrammed NOAA weather channels:

1. Press ***WX***.



Note: • It's possible to receive more than one weather broadcast in your area. If the broadcast sounds weak or distant, press ***SRCH*** to look for a closer station.

• Press ***HOLD/▲*** if you want to stop searching (WX hold mode).

NWR-SAME Alert

In addition to the conventional weather broadcasts, your BC780XLT is compatible with NWR-SAME weather alert. When the scanner receives NOAA's Specific Area Message Encoding (SAME) coded weather emergency signal, it sounds the alert tone with specified message. You must program your FIPS code to identify the Specific Area where you are located.

1. While receiving a weather channel or at the WX hold mode, press ***WX*** to activate this feature. The ALT icon displays.The audio is muted but the scanner is still actively waiting to detect the coded SAME emergency warning signals.
2. When the unit receives a warning signal, it shows a message with the alert tone defined. (For NWR-SAME Event Code, see the table in the Appendix.)

3. To deactivate, just press ***WX*** or it is automatically canceled when the channel is changed.

Testing the Alert Siren

To test and recognize the difference between the types of alert sirens, perform the following steps:

1. During WX hold mode, press and hold the ***PRI*** key until you hear the Statement Alert siren. ***ALT*** appears on the display and the Statement, watch, warning sirens sound alternately.

Note: The samples of the each alert siren only last for a few seconds. You may need to listen to each siren several times to be sure you recognize the different sirens and tones. The sirens continue to sound rotating through the samples until you silence the test.

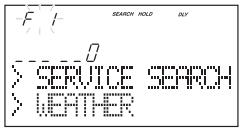
2. To stop the test, press any key.

Make sure you can hear the siren in all areas that you would need to. If not, optional accessories can be purchased to ensure that you are alerted for emergency broadcasts. See your dealer or local electronics store for accessories. DO NOT USE THE EARPHONE TO LISTEN TO THE TEST. DAMAGE TO YOUR HEARING COULD OCCUR.

Programming FIPS Code

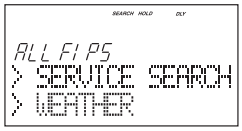
The 6-digit Federal Information Processing System (FIPS) codes established by the National Weather Service (NWS) must be programmed in your scanner. These codes specify an emergency and the specific geographic area (such as county) affected by the emergency.

1. At the WX hold mode, press and hold ***WX*** for 2 seconds.
2. Select the desired memory number (F1-F15) using ▲ or ▼.
3. Enter FIPS code using the keypad.
4. Press ***E***.
5. To exit from this programming mode, press ***WX***.



—— OR ——

1. Press ▼ when F1 is displayed or ▲ when F15 is displayed.
2. Press ***E***. The scanner is now set for ALL FIPS mode.
3. To cancel this ALL FIPS mode, enter individual FIPS code again.



Note: • To cancel the entry, press ⊙ .

- To obtain the FIPS code for your area, contact the NWS toll free at 1-888-697-7263.(1-888-NWR-SAME) or visit their website **http://www.nws.noaa.gov/nwr/indexnw.htm**

Trunked Systems

Your BC780XLT is designed to track three major types of trunked radio systems. These systems are described here.

❖MOTOROLA - Including Type I, Type II, Hybrid, SMARTNET, and Privacy Plus. Motorola systems are widely used by public safety and business users. Most are on the 800 MHz band, and recent systems are appearing on other bands.

❖EDACS - Including "Wideband" 9600 baud, and "Narrowband" 4800 baud systems. "Wideband" systems are mostly on the 800 MHz band, and are used by public safety, utilities, and business users. Some systems are used on the VHF and UHF bands. "Narrowband" systems are used in the 935-940 MHz band, many by utilities. (See page 49)

❖LTR - These systems are mostly for business users, and found on the UHF, 800 and 900 MHz bands. (See page 52)

For details on the operation and programming for all of these systems, see pages 36-58.

When tracking these types of systems, remember these important points:

- Your scanner defaults to monitor Motorola Type II systems; however, you can change this if the system in your area is different. (The types of systems are discussed below.)
- The frequencies for many of the trunked public safety systems are listed in the TrunkTracker National Public Safety Trunked System Frequency Guide included with your BC780XLT scanner. Frequencies sometimes change, check with **www.trunktracker.com**.
- If you have internet access, you can visit **www.bc780xlt.com, www.trunktracker.com** or **www.bearcat1.com/free.htm** for current news and frequency information about Trunk Tracking Scanning.

***** Motorola, SMARTNET, and PRIVACY PLUS are trademarks of Motorola Inc. EDACS is a registered trademark of the Ericsson Corporation. LTR is a registered trademark of E.F. Johnson Company.

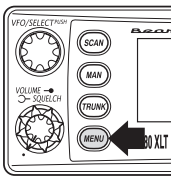
Programming and Receiving Trunked Systems

Programming Trunking Frequencies

The first step in tracking a trunked system is storing the frequencies in one of the 10 available banks in your scanner. Remember that you can only store one trunking system in each bank.

Important: If you are programming an EDACS or LTR trunked system, you must enter the frequencies in a specific order. Check the frequency guide included with the scanner for the frequencies in your area. For additional frequencies, check the websites listed on page 5.

1. Press ***MENU***.
2. Press ▲ or ▼ to select **TRUNK DATA** and then press ***E***.
3. Press ▲ or ▼ to select the bank no. and then press ***E***.
4. Press ▲ or ▼ to select the **TRUNK TYPE** and then press ***E***.



☞ **Remember!** You can also use the **VFO** control for scrolling. Also instead of pressing ***E***, you can press the **VFO/SELECT** control or press the ***SELECT/MUTE*** key.

5. Choose the system you want to track using the keypad, ▲ or ▼ and then press ***E***.

No.	LCD display	Icon	Trunking Type	Special requirements
1	Type 2 800	M	Motorola Type 2 800 MHz	
2	Type 1	M	Motorola Type 1	a. Must program a fleet map.
3	Type 2 900	M	Motorola Type 2 900 MHz	
4	Type 2 UHF	M	Motorola Type 2 UHF	b. Must program base, spacing,
5	Type 2 VHF	M	Motorola Type 2 VHF	frequency and offset channel.
6	EDCS WIDE	E	EDACS Wideband 9600 baud	c. Must program frequencies
7	EDCS Narrow	E	EDACS Narrowband 4800 baud	in exact order
8	LT	L	LTR	and location.

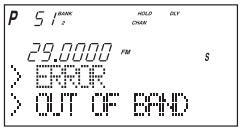
4. To exit from this mode, press ***MENU*** repeatedly.
5. Select a channel using the keypad and then press ***MAN***.
6. Enter a frequency for the trunked system using the keypad.
   For example, enter 867.8375 (Type 2) or enter a frequency you are going to track.

☞**Important!**

7. Press ***TRUNK*** for 2 seconds.
   A tone sounds, and E, M, or L icon appears on the display according to the system selected.

Note: • To clear a mistake while entering the frequency, press ⊙ (decimal key) repeatedly until the display is cleared.

• If you enter a frequency which is out of the system's trunking range, a distinctive beep sounds and ERROR appears on the display.



Selecting Trunking Programming Menu Mode

To change the system type which your scanner monitors, you must be in the Trunking Programming menu mode.
To select this mode, follow these steps:

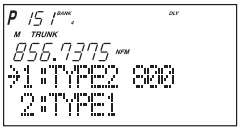
1. Press ***MENU***.
2. Press ▲ or ▼ to select **TRUNK DATA** and then press ***E***.
3. Select the bank you want to program using ▲, ▼ or **VFO** and then press ***E***.

☞ **Remember**! You can also use the **VFO** control for scrolling. Also instead of pressing ***E***, you can press the **VFO/SELECT** control or press the ***SELECT/MUTE*** key.

Selecting Trunking System Type

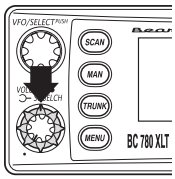
1. Select **TRUNK TYPE** using ▲, ▼ or **VFO** and then press ***E***, ***SELECT*** or **VFO**.

2. Select the system type you want to program using ▲, ▼ or **VFO** and then press ***E***, ***SELECT*** or **VFO**.



Setting the Squelch

For trunked reception, a good setting for the **SQUELCH** control is in the center of the range with the red marker pointing up. See the illustration.



If set too high (CCW) in some cases it could prevent your scanner from locking to the control channel reliably. If set too low (CW) it will slightly delay finding the control channel. The best setting is the same as for conventional reception, and is not critical.

Receiving Trunked Systems

When you have properly programmed all the frequencies for a trunked system, you can receive the system several different ways. You will find that Search, Hold, Lockout, Scan and Manual are all similar to conventional scanning.

- ❖ TRUNKED SEARCH lets you hear all system talkgroup activity (unit-to-unit I-Calls may be received as well). This is the best way to get started.
- ❖ ID HOLD works with Search mode to let you quickly freeze reception on an interesting transmission. Or you can manually specify a talkgroup with DIRECT ENTRY ID HOLD.
- ❖ ID LOCKOUT works with Search to exclude talkgroups that you don't want to hear.
- ❖ ID SCAN lets you receive only those talkgroups that you store in Scan Lists.
- ❖ MANUAL lets to selectively listen to a talkgroup in your Scan Lists

When receiving EDACS systems, remember that Uniden's AFS talkgroups give you powerful flexibility. In a few keystrokes, you can specify a single talkgroup, a fleet, or an entire agency in all the above modes. Read the section "EDACS Reception" to understand how this works.

Trunked Search

Once you have programmed all the frequencies for a trunked system, SEARCH will let you immediately start hearing transmissions. It is suggested you try SEARCH mode first.

1. Press ***SCAN***, and select the bank(s) you wish to receive, just as you select banks in conventional scanning.
2. Press ***TRUNK*** to enable trunked reception. The radio will seek and acquire the trunked system control channel. The scanner will now be in MONITOR mode. You will hear the control channel and see active talkgroups on the screen. You will not hear the voice transmissions in MONITOR mode.

☞ **Hint:** MONITOR mode is an excellent way to observe system activity and determine which talkgroups are most active. Locked-out IDs display during MONITOR mode.

3. Press ***SRCH*** to begin searching and receiving. You will hear talkgroups and see them on the screen.

Talkgroups display differently in Motorola, EDACS and LTR systems. You should read the appropriate parts of this guide to understand the formats.

The bottom line of the display indicates the Bank and the type of trunked system you are monitoring. You can change this to display a bank tag by using the System Menu.

Regardless of the system, you won't know exactly who you are receiving until you listen for awhile, or refer to frequency guides or internet sites such as **www.trunktracker.com**. Of course, figuring out who each ID represents is half the fun of TrunkTracking.

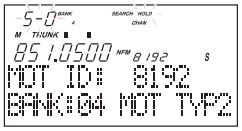
Later, when you learn more about a system, you will want to store lists of talkgroups. Then you can scan specific agencies and users, and use the many other features your radio provides.

ID Hold and Direct Entry ID Hold Mode

Just like in conventional Search, HOLD lets you pause ID Search on an interesting transmission without storing the talkgroup into memory.

If you hear an interesting ID during SEARCH mode, and want to continue listening to it --
- Press ***HOLD/▲*** to stop the search. HOLD appears in the display.

If you want to listen to a specific ID, while in HOLD --
- Use the keypad to enter the ID you want and press ***HOLD/▲***. HOLD appears in the display.



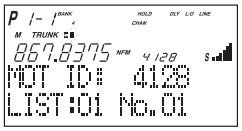
If you want to stop holding --
- Press ***SRCH*** to return to Search Mode.

ID Lockout

Like conventional scanning, it's possible to lockout unwanted traffic. This is particularly important in trunked systems because in many areas, water meters, door alarms, traffic signals, and other mechanical devices are assigned IDs just like other users. Also some departments scramble or encrypt their communications, and you may want to lock out these unintelligible broadcasts.

To lockout an ID, press ***L/O*** when the ID displays.

The ID is locked out. You can lockout up to 200 IDs.



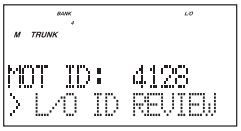
Note: If you lockout an ID in Search mode, it is also locked out in Scan List mode. Conversely, if you lockout an ID while in Scan List mode, it is locked out in Search mode. For information about Scan Lists see page 42.

EDACS BLOCKOUT is a powerful form of ID LOCKOUT that can be used only with AFS and EDACS systems. This feature lets you lock out entire Agencies or Fleets, not just individual talkgroups. Using ID BLOCKOUT you can, for example, prevent Search from stopping on any of hundreds of talkgroups in the Utilities agency. You can do this with just a few keystrokes. To use ID BLOCKOUT just enter the Agency- part, or the Agency-Fleet part, of the talkgroup code and press ***L/O***. For example, to Blockout Agency 4 in Trunk Search, press ***HOLD/▲***, 04, ⊙ (decimal key), and then ***L/O***. For other ways to use partial AFS entry, be sure to read the section "EDACS Reception".

Restoring Locked-out IDs

To unlock a single ID, follow these steps:

1. Press ***MENU***.
2. Select **TRUNK DATA** - **BANK NO.** - **L/O ID REVIEW** using ▲, ▼ or **VFO** and pressing ***E***, ***SELECT*** or **VFO**.
3. Select the locked out ID you want to unlock using ▲ or ▼.
4. Press ***L/O***. The ID is unlocked and the next locked ID displays.



To unlock all locked out IDs in a bank at once:

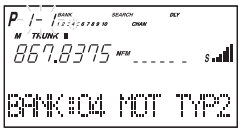
1. Press ***E*** instead of ***L/O*** in step 4 above.
2. To exit from this mode, press ***MENU*** repeatedly.

Channel Activity Indicators

The BC780XLT has 30 Channel Activity Indicators to visually display a trunked systems activity. You'll always know which frequencies are in use and how much communication traffic is occurring.

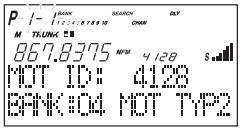
Each frequency you program in a trunking bank corresponds to an activity indicator at the top of your scanners display. The way in which the Activity Indicators display provide you with information about the system you're tracking.

- The indicator which remains on, even if when there is no traffic, represents the frequency being used as the data channel.

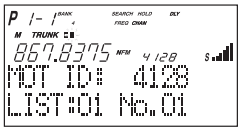


- If an indicator turns on and you don't hear a conversation, then the channel may be used as a telephone interconnect call (some systems) or a talkgroup that has been locked out.

- The indicator which flashes when an ID displays represents the frequency being used by the talkgroup.



- If you're holding on an ID which isn't active, the activity indicators will turn on and off as other groups use the system.



Scan Lists

Each bank of your BC780XLT can be a trunk tracking bank and it can be a conventional scanning bank. When you designate a bank as a trunking bank, your scanner sets up 10 Scan Lists, which are simply lists used to store your favorite IDs. Each list can contain up to 10 IDs, so you can store a total of 100 IDs for each trunk tracking bank. (1000 if you use all banks as trunking banks!)

Scan Lists help you organize the trunking system users into categories.
For example, you might use List#1 for police IDs, List#2 for fire department IDs, List#3 for emergency medical service IDs, etc. Once IDs are stored in lists, you can scan them like you scan conventional frequencies and you can lock out any one (and up to 9) of the 10 scan lists by pressing the corresponding numeric key. When an ID is active, the scan list number icon into which it is programmed will flash in the display (when the LIST icon is also active – see below). You can program your scan lists either manually or during trunking search mode.

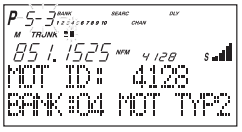
***SELECT** Key*

Use the ***SELECT*** key while trunking to toggle between viewing the active Banks and the active Scan Lists. To see which is currently active, check the display for either the ***BANK*** or the ***LIST*** icon.

Check the web site **www.trunktracker.com** or **www.bearcat1.com/free.htm** for a complete list of talkgroups for your area that you can program into your Scan Lists.

Programming ID Scan Lists Manually

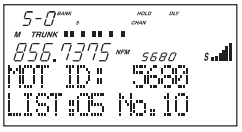
1. Press ***MAN***, the lowest available ID list number appears on the display.
2. Use ***HOLD/▲*** and ***LIMIT/▼*** to select the Scan List location you want to program.
   For example, select the third memory location in the fifth scan list.



Note: You can also use the keypad to input directly.

3. Enter the Type II ID you want to store, and press ***E***.

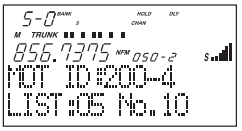
   —— OR ——



To enter a Type I ID:

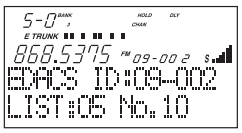
   a. Enter the block number and fleet number.
   b. Press ⊙ .
   c. Enter the subfleet number, and press ***E***.

   —— OR ——



To enter an EDACS® ID:

a. Enter ID you want to store. Use the ⊙ for the "dash".
b. Press ***E***.



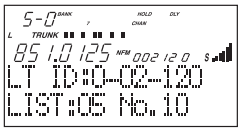
Hint: Remember that Uniden's AFS format allows you to enter full or partial EDACS IDs for powerful flexibility in all modes. Be sure to read the section "EDACS Reception" on page 49 to learn how this works.

Note: The BC780XLT defaults to "AFS" talkgroup displays for EDACS® only.

—— OR ——

To enter a LTR ID:

a. Enter Area code and then press ⊙.
b. Enter Home Repeater number and then press ⊙.
c. Enter ID you want to store and then press ***E***.



Note: To clear a mistake while entering an ID, press ⊙ and ***E*** successively, and start over.

4. Press ***MAN*** or ***HOLD/▲*** to select the next Scan List location.

Program ID Manually with the Menu Mode

Note: It is also possible to do ID programming in the menu mode by selecting TRUNK DATA - BANK NO. - PROGRAM ID. Do the following:

1. Press ***MENU***.
2. Press ▲ or ▼ to select **TRUNK DATA** and then press ***E***.
3. Press ▲ or ▼ to select the bank no. and then press ***E***.
4. Press ▲ or ▼ to select the **PROGRAM ID** and then press ***E***.

☞ **Remember!** You can also use the **VFO** control for scrolling. Also instead of pressing ***E***, you can press the **VFO/SELECT** control or press the ***SELECT/MUTE*** key.

5. Select the ID location using the VFO control, keypad, ▲ or ▼ and then press ***E***. (first number represents the bank number and second number represents the memory location.)(Direct entry method example: enter "5-1" by pressing ***5***, ⊙ ,***1***.)

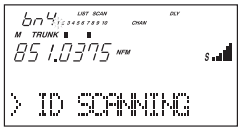
6. Press ▲ or ▼ to select **ID** and then press ***E***.
7. Enter the ID number using the keypad and then press ***E***.

Note: After you have programmed the ID in a selected bank while still in the menu mode, you can set your alpha tag (see page 21), flag the individual ID or talkgroup for recording (see page 32 and 11), or turn on the beep alert for an individual talkgroup (see page 22).

ID Scan Mode

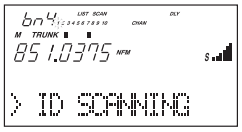
1. Press ***SCAN*** to begin scanning the lists you have programmed.

   If you haven't programmed any IDs, ERROR appears for a few seconds.



2. To remove a Scan List from active scanning, press the number of the Scan List on your keypad.

   The Scan List indicator turns off, and the IDs in that list are not scanned.



Note: One Scan List must always be active. If you try and deactivate all the Scan Lists, Scan List 1 will automatically be active.

3. To restore a Scan List to active scanning, press its number again.

4. Press ***SRCH*** to return to Trunk Tracking Search mode. For motorola and EDACS system, to change your display between the Scan List indicators and trunk bank display, press ***SELECT***.

   For LTR systems only, the talkgroup must be active in order to change the scan list and bank indicators. If the talkgroup is not active, change the scan list by using the menu screen.

Note:
- Once you press ***SCAN*** or ***SRCH*** in one bank, all trunking banks will change to that mode.
- Selecting a Scan List is also possible in the menu mode. (LTR only)
- ID SCANNING appears on the bottom of the screen during Trunk Scan instead of simply SCANNING.

Setting Priority in Trunking Mode

You can set priority in your trunking lists, just as you do in your conventional ones. You can set the priority by pressing and holding PRI for 2 seconds. After you've set up your Scan List, press ***PRI*** to activate it.

It's very similar to conventional priority although there is no "interrupt" during the transmissions. Priorities are checked in between transmissions.

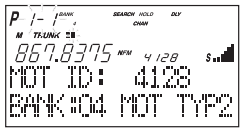
With Priority on, you can hold on an ID in your Scan List, such as Scan List 6, memory position 7, and the scanner will check all the priorities in all the active Scan Lists every few seconds and in between any transmissions on the ID on which you're holding. The lowest numbered priority will be checked first. For example, the priority ID in List 1 will be checked before the priority in List 2, etc.

Note: This function does not work in LTR tracking.

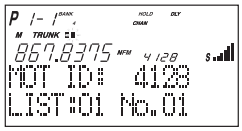
Programming Scan Lists During Search

To select a Scan List location and store an ID during Search mode, follow these steps:

1. When your scanner stops on an ID you want to store, press ***HOLD/▲***.



2. Press ***E***, or use ***HOLD/▲*** or ***LIMIT/▼*** to select the Scan List memory location you want to change, then press ***E***.

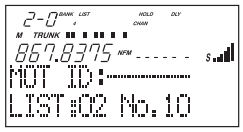


3. Press ***SRCH*** to return to Trunk Tracking Search mode.

Deleting a Stored ID

To delete a stored ID:

a. Press ***MAN***.
b. Use ***HOLD/▲*** and ***LIMIT/▼*** to select the scan list location you want to delete.
c. Press ***0***.
d. Then press ***E***.



Moving between Scan List Memories

There are a number of ways to step and move through your Scan List memories:

1. Press ***MAN*** repeatedly.
2. Or, press ***MAN***, then press ***HOLD/▲*** or ***LIMIT/▼***.
3. Or, press ***MAN***, next press ***0*** - ***9*** (scan list number), then press ***0*** - ***9*** (memory position), for example. To move to Scan List 4, memory position 10, press: ***MAN***, ***4***, ***0***, ***MAN***

I-Call (Motorola/EDACS)

I-Calls are direct unit-to-unit transmissions that are not heard by other system users. Your BC780XLT can receive these transmissions. How you receive I-Calls depends on whether you are in Search or Scan mode.

During I-Call reception the display will show the Unit ID number of either the transmitting or receiving mobile unit, not a talkgroup. Unit IDs will display differently according to the type of trunked system, and will replace the 'n's shown here.

EDACS and MOTOROLA TYPE 1	innnnn
MOTOROLA TYPE 2	7nnnnnn

Hint -- There are thousands of Unit IDs in typical systems, but relatively few I-Calls at a given moment, so it is normally best to let the scanner to receive any I-Call without trying to specify particular units.

I-CALLS IN SEARCH MODE

In SEARCH mode, the scanner default is that I-Call reception is OFF. This means that I-Calls will not be received until you program them to be ON. You have three choices for controlling I-Call reception. Through the Menu system, go to TRUNK DATA / BANK NO / I-CALL , and make your selection. The menu choices are:

		I-CALLs	TALKGROUPS	
1	OFF	Not received	Received normally	This is the BC780XLT default
2	ON	YES	Received normally	Use this choice to receive I-Calls together with normal talkgroup traffic.
3	ONLY	YES	NOT RECEIVED	Use this setting to listen to I-Calls, and block all talkgroup reception. For quick access to this mode, press ⊙ then ***SRCH***.

In I-Call ONLY mode, the display will show I-CALL, to warn that only I-Calls will be received.

You can HOLD any I-Call ID. Because you can only hold on one ID, and there are two IDs involved in any I-Call communication (the transmitting and the receiving units), you might not hear the full conversation, but you probably will.

☞ In SEARCH mode, when you hear an interesting I-Call, you can enter the instant shortcut ⊙ then ***SRCH*** to enter I-Call ONLY mode. This blocks all talkgroup traffic and lets you hear just the I-Call. To return to normal reception, you must use the Menu system to select the ON or OFF option.

Note: When storing I-Call IDs, remember that the ID will be for only one of the units -- either the transmitting or receiving unit. Unless you specifically want to receive a certain ID, it might be better to use the special code in the HINT below.

I-CALLS IN SCAN AND MANUAL MODE

You can store I-Call IDs in scanlists, just like talkgroup IDs, for use by ID Scan and Manual modes. To program a specific I-Call Unit ID into a scanlist:

EDACS or Motorola Type 1
Enter ⊙ followed by the Unit ID digits, then ***E***.
Motorola Type 2
Enter ***7*** followed by the Unit ID digits, then ***E***.

HINT - There is a special code to let you receive all I-Call IDs with a single scanlist entry. Simply enter ⊙, ***0, E***. This will store the special code `i0` in an EDACS scanlist, or `700000` in a Motorola scanlist. Then, whenever you SCAN this entry, or select it in MANUAL, the scanner will receive any active I-Calls, regardless of the Unit IDs.

Note: Motorola I-CALL tracking performance may vary between systems.

Multi-Track

The BC780XLT allows you to track more than one system at a time. Here are some highlights of this feature:

- ❖ You can actually track up to 10 trunking systems at one time.
- ❖ You can trunk scan or search and scan conventional frequencies at the same time.
- ❖ You can program conventional frequencies in the same bank as trunking systems. After the scanner finishes checking a trunked system for activity, it will conventionally scan the other frequencies in the bank (remember, only trunking frequencies are programmed in TRUNK mode).

To scan a mix of trunking and conventional banks, select the banks you wish to be active with trunking off, then press ***TRUNK***. The scanner will instantly begin scanning. If you have not programmed a trunking bank with talkgroup ID's, you will receive `NO ID (----)` message for that bank. You can switch to SEARCH mode and the scanner will search for any active ID's on the system.

Multi-Track Operational Details

When more than one trunk system is active (for example two or more trunked systems or a trunked system and one or more conventional frequencies), the radio jumps between systems/frequencies as follows:

TRUNK SCAN: The scanner moves to a trunked system and looks for IDs in your Scan List(s) for up to one second. If it finds no activity on your programmed talkgroups, it moves on to conventional channels in the same bank or to the next active bank.

If the scanner finds that a talkgroup in one of your active Scan Lists is on the air, you will begin to hear that communication and the scanner will of course display the proper talkgroup number and any alpha tag. When the communication ends, the scanner will wait for any delay period (such as a default of two seconds) for any further replies and, if none, the scanner will move to the conventional channels in the same bank or to the next bank. The scanner will not look for any other IDs within the same trunked system (as this would slow the scan process). Note that if you press ***SCAN*** while you are listening to one ID, the scanner will check to see if another ID in your Scan List is active. It will disregard the ID to which you were just monitoring.

TRUNK SEARCH: This mode works similarly to TRUNK SCAN. If the scanner finds any (non-locked-out) ID when it checks the control channel, you will hear it. You will then hear any replies that follow within two seconds (or whatever delay you may have set). After that the scanner will move on and not continuously search the system for additional IDs (on busy systems you would never leave the system if this were the case). Note that if you press the ***SRCH*** key while monitoring one ID, the radio will check if any other IDs are active (it will disregard the ID you just left), and if none are active, it will move on.

LIMIT/▼ KEY: If you wish to exit a trunked system without waiting for the currently active talkgroup to finish its communication, press the ***LIMIT/▼*** key. This is particularly helpful on very busy systems where many talkgroups are active and activity is frequent and long-lasting. Pressing this key will move the scanner on to the conventional frequencies in the same bank or the next bank.

SCAN & SEARCH Icons

For the first time on a Uniden scanner, you will see both the ***SCAN*** and the ***SEARCH*** icons active at the same time. This indicates that the radio is scanning conventional banks and Trunk searching trunking banks. When the radio is trunking, only the ***SEARCH*** icon will be lit. Note that to start a conventional search, you must place the radio into conventional manual mode and then press the ***SEARCH*** key.