

uniden[®]
Bearcat[®]

BC 800_{XLT}

**40 CHANNEL
800 MHz BAND
SCANNING RADIO**

12 BAND COVERAGE
CRYSTAL FREE
AUTOMATIC SEARCH
PRIORITY CHANNEL
WEATHER SEARCH
TWO CHANNEL BANKS
DIRECT CHANNEL ACCESS
AUTOMATIC SQUELCH
CHANNEL LOCKOUT
TRACK TUNING
SELECTIVE SCAN DELAY
AC/DC



OPERATING INSTRUCTIONS

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WARNING

UNIDEN DOES NOT REPRESENT THE UNIT TO HAVE BEEN WEATHERPROOFED. TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK) NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

TECHNICAL SPECIFICATIONS

Size:	10-5/8" W x 3-1/2" H x 8"D
Weight:	5 lbs.
Power:	117 Vac 20W, 12 Vdc, 9W
Battery:	Standard 3-volt (alkaline recommended)
Antenna:	Telescoping antenna (supplied) Fixed antenna for 800 MHz (supplied) Connection provided for external antenna (50-70 ohms)
RF Sensitivity:	0.3 microvolts 29-54 & 136-174 MHz 0.8 microvolts 118-136 MHz, 60%, 1 kHz modulation 12 dB SINAD 0.5 microvolts 406-512 MHz 0.7 microvolts 806-912 MHz (±3 kHz deviation 12 dB SINAD)
IF Selectivity:	-55 dB @ ±25 kHz
Frequency Coverage:	29- 30 MHz 10 Meter Amateur 30- 50 MHz Low Band 50- 54 MHz 6 Meter Amateur 118-135.975 MHz AM Aircraft 136-144 MHz Military Land Mobile 144-148 MHz 2 Meter Amateur 148-174 MHz High Band 406-420 MHz Federal Gov't. Land Mobile 420-450 MHz 70-cm Amateur 450-470 MHz UHF Band 470-512 MHz UHF-T Band 806-912 MHz Public Service
Channel Capacity:	40
Audio Output:	2.0 Watts, 8 ohms, 10% THD
Front Panel Controls:	Volume (on/off) Squelch (Auto Squelch)
Rear Apron Connections:	+12 Vdc Mobile Power Connector External Antenna Jack External Speaker Jack 117 Vac Receptacle
Optional DC Power Accessory:	Uniden Model No. CL12 contains 12Vdc Cigarette Lighter Adapter (1200-0014) Strain Relief Bracket 4mm Screw

SPECIFICATIONS ARE TYPICAL AND SUBJECT TO
CHANGE WITHOUT NOTICE.

UNPACKING

Carefully remove all units from the shipping carton. If there is any visible damage, DO NOT attempt to operate the equipment. Notify your dealer or shipping carrier immediately.

Keep the shipping carton and packing materials, as well as all printed material. The carton serves as an excellent method to transport the Uniden® Bearcat® 800XLT to other locations.

The following parts are included in this carton:

Uniden® Bearcat® 800XLT	Operating Instructions
AC Power Cord	2 Antennas

GENERAL DESCRIPTION

Scanning is easy and fun with the Uniden® Bearcat® 800XLT. Advanced microprocessor electronics provide some unique automatic and programmable features and dependable operation. The keyboard has been designed for maximum operating efficiency. It is divided into two sections: PROGRAM, which allows you to command any frequencies (VHF/UHF/800 MHz) on its 40 channels; and OPERATION, which controls scan, lockout, direct channel access and automatic search. Volume and squelch levels are controlled by smooth acting knob adjustments. The 9-digit fluorescent display provides complete frequency and operating information. The memory uses a 3-volt battery for back-up power. The case is constructed of high impact plastic and steel.

INSTRUCTIONS OPTIONAL ANTENNA

An external antenna may be helpful in fringe areas. Always use 50-70 ohm coaxial cable for lead-in. For lengths in excess of 50 feet, RG8AU low-loss foam dielectric coax is recommended. Your scanner is equipped with a standard automotive type antenna connector. A mating plug (optional) must be used.

MEMORY BATTERY

Installation of 2 Heavy Duty Alkaline AA batteries will prevent the loss of frequencies in the memory in the event of a power failure or if the radio is unplugged. This battery back-up will only be used when there is an interruption in electrical power. These batteries will retain memory for about two weeks.

INSTALLING THE BATTERY

1. NO USER PROGRAMMED FREQUENCIES IN MEMORY

Use the procedure described next or install the batteries while the BC 800XLT is not plugged into wall power. In the latter case it is possible that "ERROR" may appear in the display when manually stepping through channels. This means only that a frequency has not yet been entered in that channel. Follow PROGRAMMING INSTRUCTIONS to clear the ERROR indication.

2. USER PROGRAMMED FREQUENCIES IN MEMORY

To prevent having to reload frequencies follow this procedure. Leave the AC plug connected to wall power; turn the on-off-volume control fully ccw for the off condition. Now, remove the battery compartment cover by pressing the tab in the direction of the arrow. Install 2 standard AA size batteries, ALKALINE HEAVY DUTY batteries are recommended, making sure to match polarity symbols on the batteries with those on the compartment. Close compartment cover.

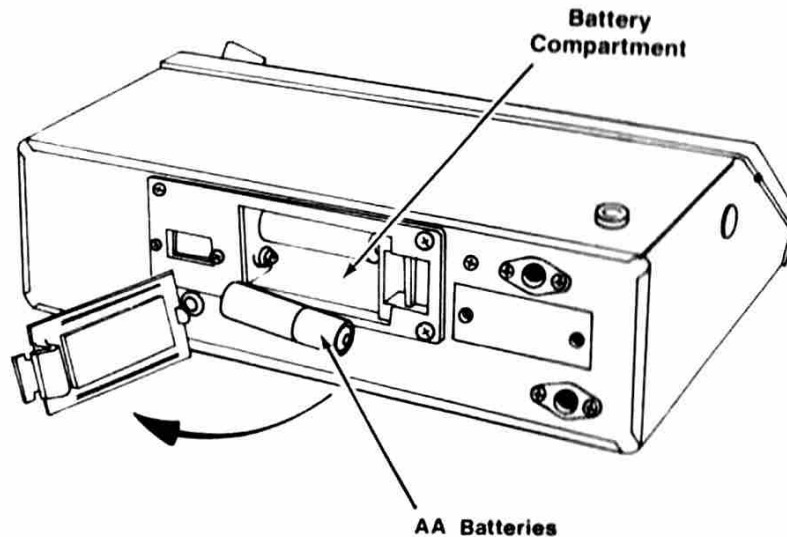


Figure 2

ANTENNA

The telescopic antenna provided with the Uniden® Bearcat® 800XLT is recommended for most monitoring. Insert the threaded end of the antenna into the hole located on the top right rear of the radio (fig. 3). Finger tighten the antenna and then fully extend it. For weak signal reception or electrically noisy locations, an external antenna may be helpful.

The smaller antenna is provided for the reception of signals in the 806-912 MHz range. To use this antenna, insert into the jack indicated in figure 3.

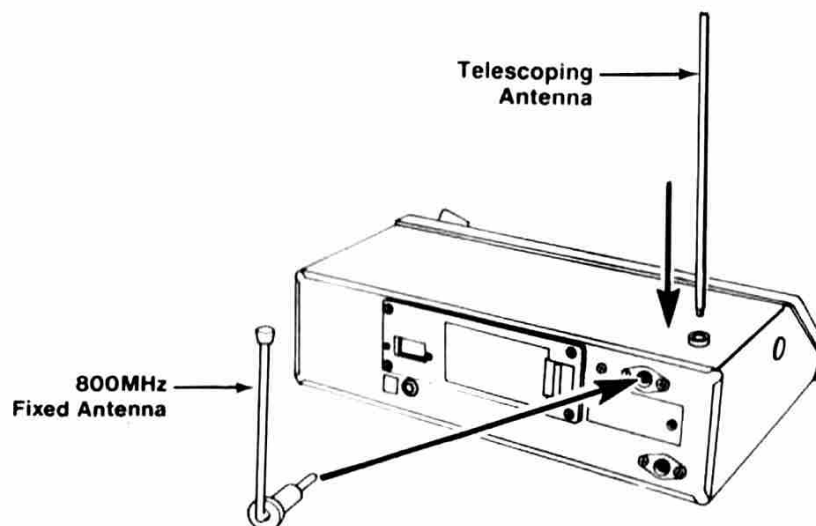


Figure 3

CONTROLS

1. **On-Off/Volume:** Turns the receiver power on or off, and also varies the audio output level (fig. 4).
2. **Squelch:** Eliminates the annoying “rushing” sound that is present between transmissions when no signal is being sent. Proper setting of this control keeps the receiver “quiet” and allows scanning until a signal is received (fig. 4).

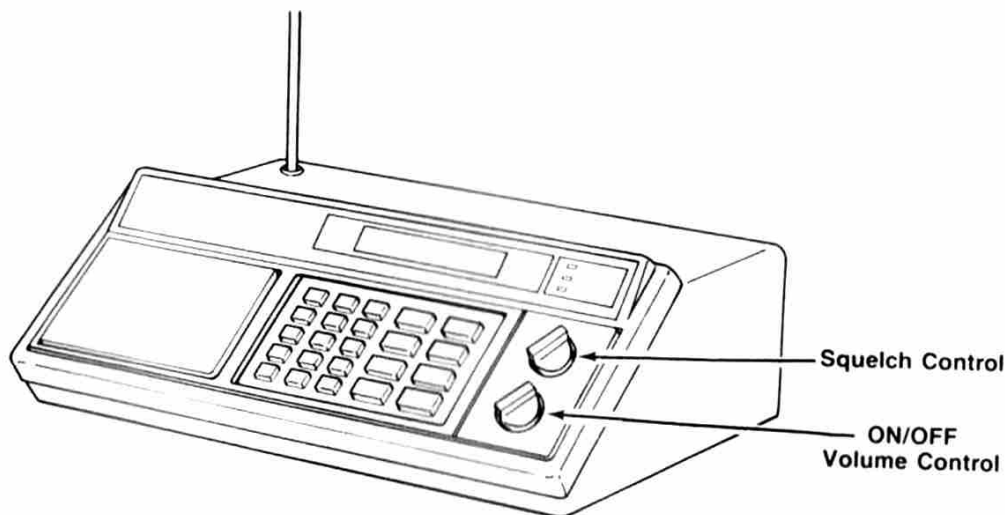


Figure 4

DISPLAY

Your Uniden® Bearcat® 800XLT has a 9-digit fluorescent display and 3 LED's which indicate the frequency presently being monitored, channel number and program status (fig. 5). All of the functions of the display will be discussed in detail later in the programming section.

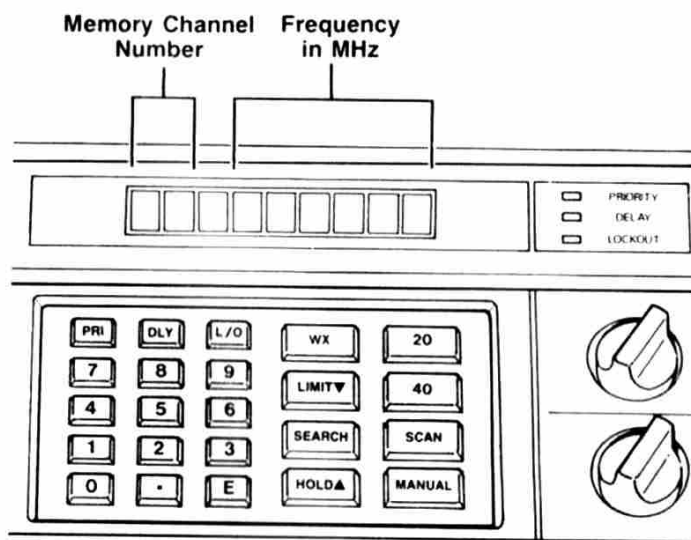



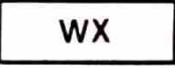
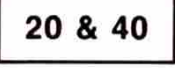








Figure 5

PROGRAM KEYS

Numeric keys 0 through 9 and  are used to program the frequencies into your scanner. **ENTER** allows frequencies to be entered into the 40 memory channels for scanning.

OPERATION KEYS

-  Samples Channel 1 every three seconds regardless of other operational settings. Priority function will be retained in memory.
-  Provides a 3 second delay on any channel to receive a reply transmission before resuming search or scan. Delay is retained in memory.
-  Searches all seven NOAA weather frequencies until locking on the one actively broadcasting in your area.
-  Selects block of scanned channels as 1-20, 21-40, 1-40.
-  Enters two selected frequencies as upper and lower search limits. Also when receiver is stopped on a signal in the search mode, LIMIT permits manual searching lower in frequency, one frequency at a time. Search limits will be retained in memory.
-  Starts search operation.
-  Stops search. Also when receiver is stopped on a signal in the search mode, HOLD permits manual searching higher in frequency, one frequency at a time.
-  Locks out reception of signals on any selected channels during scanning. Lockout is retained in memory.
-  Starts scan of all memory channels that are not locked out.
-  Stops scan or search. Steps scanner individually through all channels in the selected bank(s). Also permits Direct Channel Access.

OPERATING THE SCANNER

The Uniden® Bearcat® 800XLT has 40 memory channels each of which can be programmed to store one frequency. When SCAN is pressed, each of the programmed frequencies will be sampled in sequence, but locked out channels will be skipped.

In each programming example, the keys to be pressed are listed in sequence after the word PRESS. After the word "Display" will be an illustration of the actual displayed data. Follow the examples carefully, and programming will be easy.

Plug the AC power cord into a standard 117 Vac wall outlet and into the AC power receptacle (fig.3) on the radio. Turn the unit ON by rotating the ON-OFF volume switch clockwise. Press MANUAL key and adjust the "SQUELCH" CONTROL (fig.4) clockwise until you hear background noise; then turn it back counterclockwise until the noise disappears.

If you know the exact frequencies you wish to Scan, proceed with "Programming". If you do not know the frequencies of the agencies (i.e., police, fire, weather, etc.) you wish to scan, check with your dealer. Uniden also makes available frequencies in its Betty Bearcat Frequency Directory and Local Frequency List. See the order forms in the product carton. Active frequencies can also be found through "Search".

PROGRAMMING

To enter a frequency you must first select a channel. Start with Channel 2, as Channel 1 is the Priority Channel, and you will want to save it for your most important frequency. (See Priority)

Example: To program 162.550 MHz into channel 2:

PRESS:	<input type="text" value="2"/>	<input type="text" value="MANUAL"/>						
Display:	2	X	X	X	.	X	X	X
PRESS:	<input type="text" value="1"/>	<input type="text" value="6"/>	<input type="text" value="2"/>	<input type="text" value="."/>	<input type="text" value="5"/>	<input type="text" value="5"/>	<input type="text" value="E"/>	
Display:	2	1	6	2	.	5	5	0 (Final zero to the right of the decimal will enter automatically.)

NOTE: X denotes the digits of the previously programmed frequency.

To program 471.2375 into next channel (3).

PRESS:	<input type="text" value="MANUAL"/>	Each time MANUAL is pressed, the channel will advance. In this case it advances from 2 to 3.						
Display:	3	X	X	X	.	X	X	X
PRESS:	<input type="text" value="4"/>	<input type="text" value="7"/>	<input type="text" value="1"/>	<input type="text" value="."/>	<input type="text" value="2"/>	<input type="text" value="3"/>	<input type="text" value="7"/>	<input type="text" value="E"/>
Display:	3	4	7	1	.	2	3	7

NOTE: X denotes the digits of the previously programmed frequency.

Repeat this step until all desired channels have been programmed. If you attempt to enter an invalid or out-of-range frequency, "ERROR" will be displayed. If this happens, simply enter the correct frequency. If you make an error while entering a frequency, press the decimal key twice and begin again. You may omit the decimal point on frequencies except those between 29 MHz and 54 MHz. Your Uniden® Bearcat® 800XLT has been designed to enter this automatically. On low band (29-54 MHz) you must press the decimal point key.

SEARCH

Your Uniden® Bearcat® 800XLT will search for unknown signals between two frequency limits in the same band (29-54 MHz, 118-136 MHz, 136-174 MHz, 406-512 MHz or 806-912 MHz). The Frequency Allocation listing in the back of the manual will give you an indication of what you might expect to find in the various bands and frequency ranges. To SEARCH, enter the search limits in any sequence, making sure they are in the same band as shown above.

Example: To Search between 152.150 MHz and 155.575 MHz on channel 2:

PRESS:	<input type="text" value="2"/>	<input type="text" value="MANUAL"/>					
Display:	2 X X X . X X X						
PRESS:	<input type="text" value="1"/>	<input type="text" value="5"/>	<input type="text" value="2"/>	<input type="text" value="."/>	<input type="text" value="1"/>	<input type="text" value="5"/>	<input type="text" value="LIMIT▼"/>
Display:	2 152 . 150 (Final zero to the right of the decimal will enter automatically.)						

PRESS:	<input type="text" value="1"/>	<input type="text" value="5"/>	<input type="text" value="5"/>	<input type="text" value="."/>	<input type="text" value="5"/>	<input type="text" value="7"/>	<input type="text" value="5"/>	<input type="text" value="LIMIT▼"/>
Display:	2 155 . 575							
PRESS:	<input type="text" value="SEARCH"/>							

NOTE: X denotes the digits of the previously programmed frequency.

When an active frequency is found, the SEARCH stops and the frequency is displayed.

During your search, record (on paper) the frequency numbers you wish to retain as you identify them. Later you can program these individual frequencies into memory channels or press and the frequency displayed will be automatically programmed into the indicated channel. Search is not affected and may be continued.

To remain on a frequency after the signal goes off the air:

PRESS:	<input type="text" value="HOLD▲"/>	You may now press	<input type="text" value="HOLD▲"/>	to step higher in frequency which will sometimes produce clearer reception. You may also press	<input type="text" value="LIMIT▼"/>	to step lower in frequency again, to improve reception or just to select a new frequency. If	<input type="text" value="E"/>	is pressed, the frequency in the display will be entered into the memory channel being displayed.
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To resume searching within the same limits:

Press:	<input type="text" value="SEARCH"/>
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MANUAL STEP-SEARCH

Your Uniden® Bearcat® 800XLT has been provided with the ability to be stepped, one frequency at a time, either up or down throughout its search range. This feature is helpful in tuning in a frequency or for stepping to any new frequency within search limits.

To Step-Search while in search mode:

PRESS:	HOLD▲	
PRESS:	HOLD▲	repeatedly to step upward to the desired higher frequency.

OR:

PRESS:	HOLD▲	
PRESS:	LIMIT▼	repeatedly to step downward to the desired lower frequency.

CHANNEL BANKS

The Uniden® Bearcat® 800XLT provides 40 memory channels divided into two banks. The first bank contains Channels 1 through 20 and the second bank, Channels 21 through 40. The banks can be scanned individually or together. When the scanner is turned on, the first bank of 20 channels is automatically scanned. The decimal point on digits having channel numbers in them will indicate which banks are active. For example:

Bank 20 active

1.	9
----	---

 Bank 40 active

3	9.
---	----

Both banks active

3.	9.
----	----

To scan both banks (40 channels):

PRESS:	40
--------	-----------

To revert back to channels 1-20:

PRESS:	40	again
--------	-----------	-------

To scan channels 21-40 only:

PRESS:	20	while scanning all 40 channels
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MANUAL CHANNEL SELECTION

If you wish to select a specific channel to monitor, two methods are provided:

PRESS: **MANUAL** repeatedly until the desired channel number appears.

OR, Direct Channel Access:

PRESS: **CHANNEL NUMBER** **MANUAL**

LOCKOUT

You may wish to lock out certain frequencies and skip over them when scanning. To program Lockout on a channel (example 5), first select that channel manually.

PRESS: **5** **MANUAL**
PRESS: **L/O**
Display: **5** The yellow LED lights.

To remove Lockout:

PRESS: **L/O** again and the yellow LED will go dark.

NOTE: If all channels are locked out, the scanner will go into the manual mode. This may be eliminated by removing lockout from one channel.

DELAY

Your scanner can be programmed to pause for about three seconds after a transmission ends on any selected channel. This is useful when both sides of a conversation are transmitted on the same frequency.

To program Delay on a selected channel:

PRESS: **MANUAL** step to that channel.
PRESS: **DLY** The green LED lights.

To remove Delay:

PRESS: **DLY** The green LED will go dark.

PRIORITY

It is often desirable to be alerted to a transmission occurring on a channel other than that to which you are listening. The priority feature samples any frequency which has been entered into channel 1, every 3 seconds.

If a signal is detected on the priority frequency, (channel 1) when sampled, the receiver will remain tuned in to it until the transmission ceases, at which time the scanner will revert to the last mode of operation.

To activate the priority function:

Press: **PRI** The red LED will light.

To remove priority:

Press: **PRI** again and the red LED will go dark.

WEATHER

Searches all seven NOAA weather frequencies until locking on the one actively broadcasting in your area.

To search for local weather:

PRESS: **MANUAL**

PRESS: **WX** Display will indicate the weather frequency being received.

EXTERNAL SPEAKER

Although the internal speaker of the scanner will provide ample room volume, in some applications an external speaker may be desired. The external speaker should be plugged into the rear-apron jack (fig. 3) which will cut off the internal scanner speaker. The external speaker impedance should be 8 ohms.

USER HINTS

Your scanner is a versatile instrument. The following operating hints will help you use all of its features.

1. Always remember to press the ENTER key when programming a desired frequency.
2. When disconnecting the AC power cord from the outlet, make sure the radio is turned off. You may wish to record your programmed frequencies (on paper) before disconnecting the AC cord and battery since memory will be lost.

USER HINTS (Continued)

3. When memory is lost, simply reprogram the proper frequencies. Memory loss will be indicated by the appearance of non-user programmed frequencies in the display.
4. If the keyboard or display suddenly ceases working properly, the trouble may have been caused by a momentary loss of wall power. To reset, turn the radio off and unplug the AC cord. Then plug in the AC cord and resume operation.
5. In case of strong interfering noise or signals, it may be desirable to move the unit to a different location, and under extreme conditions, reduce the length of the antenna.
6. When operating the keyboard, it is important to press firmly in the center of the key with the tip of your finger.
7. When moving or shipping the radio, be sure to remove the telescoping antenna and the AA batteries to avoid damage to it or to the internal circuit assemblies.
8. If "ERROR" appears on the readout, you have entered an invalid frequency or attempted some other incorrect operation.

BIRDIES

All radios are subject to receiving undesired signals. If the Uniden® Bearcat® 800XLT stops during search mode and no sound is heard, simply press the SEARCH key one or more times to resume.

NOTE: Environmental sources of interference such as power line noise, a television set or other electrical appliances may generate signals that create the same effect. Moving the scanner may eliminate such interference.

TROUBLE CHECKS

- | | |
|--|---|
| 1. Scanner is not working properly. | A. Is radio plugged in and receiving power?
B. Is OFF-ON-VOLUME switch on?
C. Go through the complete section on programming all functions. |
| 2. Signal is weak or distorted. | A. Check antenna—adjust height.
B. Go through all the checks in number 1. |
| 3. The memory is lost after a power failure. | A. Replace battery. |

OPTIONAL DC POWER ACCESSORY

This radio can operate from either 117 Vac house current or 12 Vdc car battery. If you plan to operate this unit in a motor vehicle, an optional DC power accessory kit is available from Uniden. Ask for Model number CL12 which contains a 12 volt DC Cigarette Lighter Adapter, (1200-0014) Strain Relief Bracket and a 4mm screw.

NOTE: The use of any Scanning radio in a motor vehicle maybe regulated or require a permit in certain states or in certain cities.

ERROR MESSAGE

To inform the user anytime an out-of-band frequency is stored in memory, the BC 800XLT automatically displays "ERROR" in this event. The condition may arise when the user presses ENTER with an invalid number in the display or when wall power is interrupted and batteries are not installed. The user should simply enter an in-band frequency (see programming section) to clear the ERROR indication.

Frequency Allocations

Because of the short-range nature of VHF and UHF FM communications, frequencies allocated to services in one geographical location will not be heard more than 25-50 miles distance (an exception is "skip", when signals bounce back to earth from the ionosphere). For this reason, a separate frequency directory must be compiled for each monitoring area.

Most standard frequency separations and classifications are regulated in the United States by the FCC.

Block allocations...and even some discrete frequencies...covered by your scanner are shown below. These are not necessarily active in your area.

ABBREVIATIONS

Police	P.D.	42.96 - 43.18	Sp. Ind. & Bus.
State Police	St. P.D.	43.22 - 43.68	Mob. Tel., Page
Fire Department	F.D.	43.70 - 44.60	Trucks, Bus.
Special Emergency	Sp. Emer.	44.62 - 45.06	St. P.D., Fors. Cons.
Highway Maintenance	Hwy.	45.08 - 45.66	P.D.
Forestry-Conservation	Fors. Cons.	45.68 - 46.04	P.D., Hwy., Sp. Emer.
Government	Govt.	46.06 - 46.50	F.D.
Local Government	L. Govt.	46.52 - 46.58	P.D., L. Govt.
Business Radio	Bus.	46.60 - 47.00	Govt.
Manufacturers	Mfg.	47.02 - 47.40	St. Hwy.
Broadcast Remote	BC. R	47.42 -	Red Cross
Mobile Telephone	Mob. Tel.	47.44 - 47.68	Sp. Ind., Sp. Emer.
Radio Paging	Page	47.70 - 48.54	Power
Special Industrial	Sp. Ind.	48.56 - 49.58	L. Govt., Pet.
Motion Picture	Mot. P.	49.60 - 50.00	Govt.
Power Utilities	Power	50.00 - 54.00	HAM
Petroleum	Pet.		
Forest Products	For. Prod.		
Railroad	R. R.		
Automobile Emergency	Auto Emer.		
Red Cross			
U. S. Weather Bureau	U.S.W.B.		
U. S. Coastal & Geodetic Survey	U.S.C.G.S.		
National Parks	Nat. Pk.		
Indian Affairs			
Bureau of Reclamation	Bur. Recl.		
Department of Agriculture & Forestry	Agr. & For.		
Land Transportation	Land Tr.		
Amateur Radio	HAM		
Aviation	Aero		

118 - 174 MHz BAND

29 - 54 MHz BAND

29.00 - 29.70	10HAM	118.000 - 135.975	Aero
29.70 - 29.80	For.Prod.	136.000 - 144.000	Govt.
29.80 - 30.00	Aero	144.000 - 148.000	HAM
30.01 - 30.56	Govt.	148.010	MARS
30.56 - 30.62	Sp. Ind.	148.150	CAP
30.66 - 31.24	Ind. (Pet., Fors. Cons. Bus., For. Prod.)	148.155 - 148.250	MIL
31.26 - 31.98	Sp. Ind., Fors. Cons.	148.290 - 150.750	USN
32.00 - 33.00	Govt.	150.815 - 150.995	Bus.
33.02 - 33.16	Hwy., Sp. Emer., Bus.	151.010 - 151.130	Hwy.
33.18 - 33.38	Pet.	151.145 - 151.475	Fors. Cons.
33.42 - 33.98	F.D.	151.505 - 151.595	Sp. Ind.
34.00 - 35.00	Govt.	151.625 - 151.955	Bus.
35.02 - 35.18	Bus.	151.985 - 152.240	Mob. Tel. (RCC)
35.22 - 35.66	Mob. Tel. & Page	152.270 - 152.450	Taxi
35.70 - 35.73	Bus.	152.480 - 152.840	Mob. Tel & Page
35.74 - 35.98	Sp. Ind. & Bus.	152.870 - 153.020	Sp. Ind., Mot. P.
36.00 - 37.00	Govt.	153.050 - 153.440	Pet., For. Prod.
37.02 - 37.44	F.D., P.D. & L. Govt.	153.470 - 153.710	Power
37.45 - 37.86	Power	153.740 - 154.115	F.D., L. Govt.
37.90 - 37.98	Hwy. & Sp. Emer.	154.130 - 154.445	F.D.
38.00 - 39.00	Govt.	154.450 - 154.600	Sp. Ind., Pet., Bus.
39.02 - 39.98	P.D., L. Govt.	154.655 - 155.145	P.D., L. Govt., St. P.D.
40.00 - 42.00	Govt.	155.160 - 155.400	Sp. Emer., P.D.
42.02 - 42.94	St. P.D.	156.045 - 156.240	L. Govt., Hwy., P.D.
		156.275 - 157.425	Marine
		157.456 - 157.500	Auto Emer.
		157.530 - 157.710	Taxi
		157.740 - 158.100	Mob. Tel., & Page
		158.130 - 158.460	Power, For. Prod., Pet.
		158.490 - 158.700	Mob. Tel. (RCC)
		158.730 - 158.970	P.D., L. Govt.
		158.985 - 159.210	P.D., Hwy.
		159.225 - 159.465	Fors. Cons.
		159.510 - 160.200	Trucks
		160.215 - 161.565	R.R.
		161.600 - 162.000	Marine
		162.026 - 162.175	Bur. Recl.
		162.400	U.S.W.B.
		162.475	U.S.W.B.
		162.550	U.S.W.B.

Frequency Allocations (Cont.)

163.125	Indian Affairs
163.175	Bur. Recl.
163.275	U.S.W.B.
163.388 - 163.538	MIL
163.825 - 163.975	Govt.
164.025 - 164.075	U.S.C.G.S.
164.175 - 165.188	Fur. Recl., Nat. Pk., Govt., Agr. & For.
169.300	F.A.A.
169.450 - 169.725	Nat. Pk., Ind., Data
170.150	F.D., BC. R.
170.200 - 170.220	U.S.C.G.S.
170.225 - 170.325	Ind., Land Tr.
170.425 - 170.575	Fors. Cons.
170.975 - 171.250	Govt., Sp. Ind. & Land Tr.
171.388 - 172.725	Bur. Recl., Fors. Cons., Ind., Dept. Ag. & For., Govt.
172.775	Nat. Pk.
173.025	U.S.W.B.
173.075	U.S.C.G.S.
173.204 - 173.375	Press Relay, Mot. P., Pet., Bur. Recl.

406 - 512 MHz BAND

406.000 - 420.000	Govt
420.000 - 450.000	HAM
450.050 - 450.950	Remote Br.
451.000 - 451.150	Util.
451.175 - 451.750	For. Prod., Pet., Power., Tel. Maint.
451.775 - 451.975	Spec. Ind.
452.000 - 452.500	Taxi, Motor Carrier & R.R.
452.525 - 452.600	Auto Club
452.625 - 452.975	BC. R., Motor Carrier & R.R.
453.000 - 453.975	L. Govt., P.D., & F.D.
454.000 - 454.975	Mob. Tel. & Page
455.000 - 455.975	Remote Br.
456.000 - 458.975	P.D., F.D. Ind., Land Tr.
459.000 - 459.975	Mob. Tel., Page, & Domestic Public
460.000 - 460.625	P.D., F.D.
460.650 - 462.175	Bus.
462.000 - 462.450	Taxi
462.550 - 462.725	C.B.
462.750 - 462.975	Bus.
463.000 - 463.175	Medical
463.200 - 464.975	Bus.
465.000 - 467.500	P.D., F.D., Sp. Ind., & Land Tr.
467.5375 - 467.7375	C.B.
467.7375 - 467.925	Pub. Safety, Ind., & Land Tr.

806 - 947 MHz BAND

806.000 - 816.000	Domestic Public (Mobile)
816.000 - 821.000	Mobile Trunking
825.000 - 845.000	Cellular Telephone (Mobile)
851.000 - 861.000	Domestic Public (Base)
861.000 - 866.000	Base Trunking
870.000 - 890.000	Cellular Telephone (Base)
902.000 - 928.000	Industrial Scientific

In some large metropolitan areas, 1 or 2 channels of the "TV Band" (470 Mhz to 512 MHz) are used for communication purposes. Each TV station (channels 14 through 20) utilizes 6 MHz:

470 - 476 TV	Channel 14
476 - 482 TV	Channel 15
482 - 488 TV	Channel 16
488 - 494 TV	Channel 17
494 - 500 TV	Channel 18
500 - 506 TV	Channel 19
506 - 512 TV	Channel 20

Where these frequencies are assigned for communication purposes, in lieu of a TV station, the 6 MHz segment is allocated as shown her for channel 14 (470 - 476 MHz).

470.0125 - 470.2875	Domestic Public (Base, Mob.)
470.3125 - 471.1375	Public Safety
471.1625 - 471.2875	Reserve Pool A
471.3125 - 471.4125	Pwr., Tel. Maint.
471.4375 - 471.6375	P.D., Spec. Ind.
471.6625 - 471.7875	Reserve Pool B
471.8125 - 472.3375	Bus.
472.3625 - 472.4375	Taxi
472.4675 - 472.7875	R.R., Motor Carrier, Auto Emer.
472.8125 - 472.9875	Pet., For. Prod., Mfg.
473.0125 - 473.2875	Domestic Public
473.3125 - 474.1375	Public Safety
474.1625 - 474.2875	Reserve Pool A
474.3125 - 474.4125	Power, Tel., Maint.
474.4375 - 474.6375	Spec. Ind. (Mobile)
474.6625 - 474.7875	Reserve Pool B
474.8125 - 475.3375	Bus.
475.3625 - 475.4375	Taxi
475.4625 - 475.4875	R.R., Motor Carrier, Auto Emer.
475.8125 - 475.9875	Pet., For. Prod., Mfg.

The same allocation pattern is repeated for each of the TV channels 14 through 20. For example, if channel 17 is assigned for communications in our area, "Taxi" would be 490.3625 to 490.4375 and 493.3625 to 493.4375 (corresponding to 472.3625 to 472.4375 and 475.3625 to 475.4375 above). Note that in the example, we added three TV channels (18 MHz to the channel 14 frequencies).