Uniden

BC 278CLT

10 BAND, 100 CHANNEL SCANNER

- FULLY PROGRAMMABLE
- FULL FREQUENCY LCD READOUT
- ALARM CLOCK
- AM/FM RADIO
- SERVICE SCAN
- CHANNEL LOCKOUT
- PRIORITY CHANNEL
- SCAN DELAY
- MEMORY BACKUP
- EMERGENCY WEATHER ALERT WITH S.A.M.E.

Reference Guide

Bearcat

Precautions

Before you read anything else,
please observe the following:

Uniden **DOES NOT** represent this unit to be waterproof. To reduce the risk of fire or electrical shock, **DO NOT** expose this unit to rain or moisture.

Changes or modifications to this product not expressly approved by Uniden, or operation of this product in any way other than as detailed by this Reference Guide, could void your authority to operate this product.

The installation, possession, or use of this scanning radio in a motor vehicle may be prohibited, regulated, or require a permit in certain states, cities, and/or local jurisdiction. Your local law enforcement officials should be able to provide this information regarding the laws in your community.

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INTRODUCTION

About Scanning

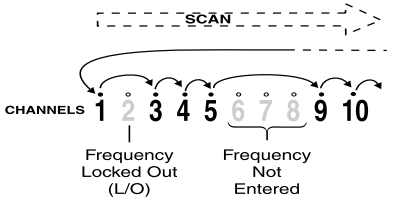
Scanning Options

Scanning is easy and fun with the BC278CLT 100-Channel Base Scanner with AM/FM Radio.

- Scan channels you have programmed
- Scan pre-programmed service and weather channels.

What is Scanning?

Unlike standard AM or FM radio stations, most 2-way communications do not transmit continuously (see Types of Communication below).



The BC278CLT scans programmed channels at rate of up to 25 channels per second until it locates an active frequency. When the scanning stops on an active frequency, it remains on that channel as long as the transmission continues. When the transmission ends, the scanner stays on the channel for 2 more seconds, waiting for a responding transmission. If no responding transmission is detected, the scanning cycle resumes until another transmission is received (DELAY function).

Types of Communication

You can monitor communications such as:

- Police and fire departments (including rescue and paramedics)
- NOAA weather broadcasts (7 pre-programmed channels)
- Business/industrial radio
- Motion picture and press relay
- Aircraft
- Auto racing frequencies
- Utilities
- Land transportation frequencies such as trucking firms, buses, taxis, tow trucks, and railroads
- Marine and amateur (ham radio) bands

- Many more in the 29-54MHz, 108-137MHz, 137-174MHz, 406-512, 108-137MHz, and 806-956MHz ranges
- AM/FM radio

You must program a frequency into each channel you want to use. If you do not have any known local frequencies to program, a Uniden representative should be able to provide you with a few sample frequencies.

Where to Obtain More Information

The Bearcat Radio Club and other similar hobby clubs have publications, information on computer bulletin boards, and contests for the radio enthusiast. See the enclosed printed material for more information. Additional information is also available through your local library.

Taking Proper Care of Your Scanner

- Do not use the scanner in high-moisture environments such as the kitchen or bathroom.
- Avoid placing the unit in direct sunlight or near heating elements or vents.
- Do not plug the scanner into an outlet controlled by a wall switch as prolonged periods without power causes the clock to reset.

Unpacking

Carefully check the contents against this list:

- BC278CLT Base Scanner
- Telescopic Antenna
- AM Radio Antenna
- AC Adapter (Model AC-144U)
- This Reference Guide
- Registration Form
- Frequency Directories Order Form and other printed information
- Frequency Guide Book

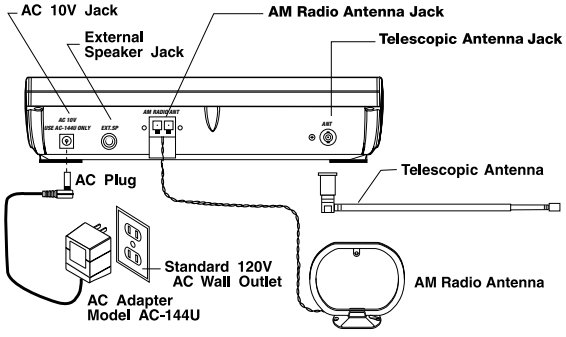
☞ If any items are missing or damaged, contact the Uniden Parts Department at (800) 554-3988. Hours are from 8:30a.m. to 5:00p.m. Monday through Friday, Central Time. We may also be reached at www.uniden.com.

☞ Complete and mail your Registration Form immediately.

☞ Read this Reference Guide thoroughly before operating the scanner.

GETTING STARTED

Installing the BC278CLT



1. Insert the small plug at the end of the AC Adapter cord into the ***AC 10V*** jack on the scanner.
2. Plug the AC Adapter into any standard 120V AC wall outlet. Do not plug into an outlet controlled by a wall switch; it could cause clock reset.
3. Plug the Telescoping Antenna into the ***ANT.*** jack. Extend the antenna to its full height. For UHF frequencies, shortening the antenna may improve the reception.
4. Plug the AM Antenna into the AM Radio Antenna Jack
   a. Press down to unlatch the 2 tabs at the bottom of the AM Radio Antenna Jack.
   b. Insert the 2 leads into the holes. Make sure the leads are stripped to expose the wire.
   c. Press up to latch the 2 tabs.
5. Plug an optional external speaker (8-ohm) into the ***EXT. SP.*** jack.

*Carefully remove the tube inserted before using the AM Antenna Jack. When the Jack is not in use, keep the tube mounted.

NOTE

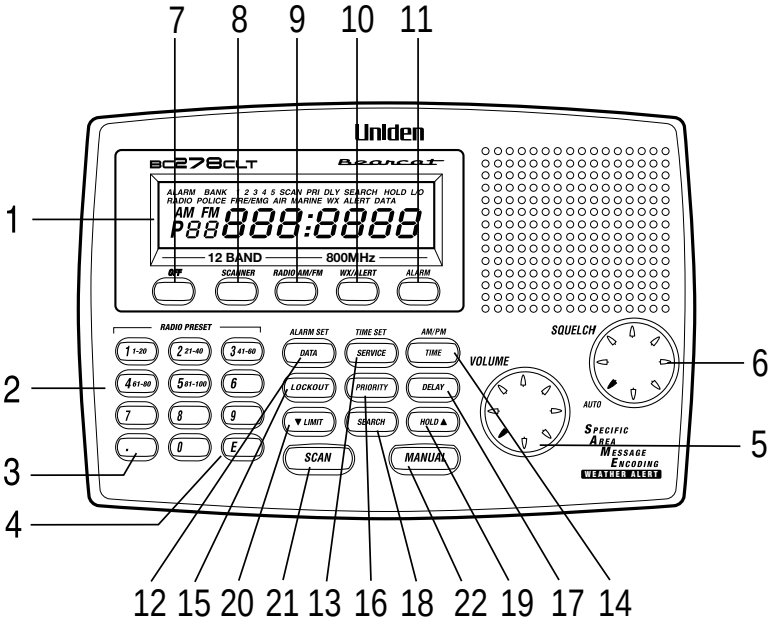
If your scanner receives strong interference or electrical noise, relocate the scanner or its antenna away from the source.

NOTE

If you are operating the scanner in a fringe area or need to improve reception, use an optional antenna designed for multi-band coverage. (You can purchase this type of antenna at a local electronics store.) If the optional antenna has no cable, use a 50-70 ohm coaxial cable for lead-in. You may need a mating plug for the optional antennas.

OPERATION

Controls and Functions



1. **LCD Display** Displays time, channel, frequency, and functions. (Page 6)
2. **Numeric Keys** Press to program a frequency into each channel for scanning. Also, press for time entries and direct channel access with ***MANUAL*** key. And press for channel presets in Radio mode.
3. **Decimal Key** Press to enter the decimal point in the frequency. Also, use for clearing mistakes during entries by pressing twice.
4. ***E*** **Key** Enters the frequency or time setting into memory.
5. ***VOLUME*** Turn clockwise to increase the volume. Turn counterclockwise to decrease the volume.
6. ***SQUELCH*** Adjusts the squelch threshold, or use AUTO for the factory setting.
7. ***OFF*** **Key** Turns scanner and radio off and Clock mode on.
8. ***SCANNER*** **Key** Selects the Scanner mode .
9. ***RADIO AM/FM*** **Key** Selects the Radio mode. Also selects AM/FM in Radio mode.

10. ***WX/ALERT* Key** Selects Weather Mode. Also Selects Weather Alert ON/OFF in WX Scan mode and WX Hold Mode and S.A.M.E.mode.

11. ***ALARM* Key** Turns on the Tone Alarm. Turns the Radio Alarm ON/OFF by pressing the key more than 2 seconds.

12. ***ALARM SET/DATA* Key** Press and hold for 2 seconds to enter the Alarm Time Set mode. Press less than 2 seconds to change Data Skip ON/OFF.

13. ***TIME SET/SERVICE* Key** Press and hold for 2 seconds to enter the Present Time Set mode. Press to go to Service Scan mode. Press in Service Scan mode to toggle between the channels.

14. ***AM/PM/TIME* Key** Select a.m. or p.m. when setting the clock time or alarm time. Press to review the clock time and cancel the Alarm time set and Present Time Set mode.

15. ***LOCKOUT* Key** Prevents scanning of the displayed channel. The L/O indicator appears when the current channel is locked out. Press LOCKOUT again to unlock the channel. Lockout is active only when the scanner stops on an active channel or a channel selected in Manual mode.

16. ***PRIORITY* Key** Turns Priority mode ON/OFF. In Priority mode the scanner samples the designated Priority Channel every 2 seconds while in Scan or Manual mode. If a transmission on the designated Priority Channel is detected, the scanner monitors that channel until no signal is present.

17. ***DELAY* Key** Turns Delay function on and off. When Scan stops on a channel it causes scanner to remain on that channel for 2 seconds before the scanning resumes to wait for a possible reply.

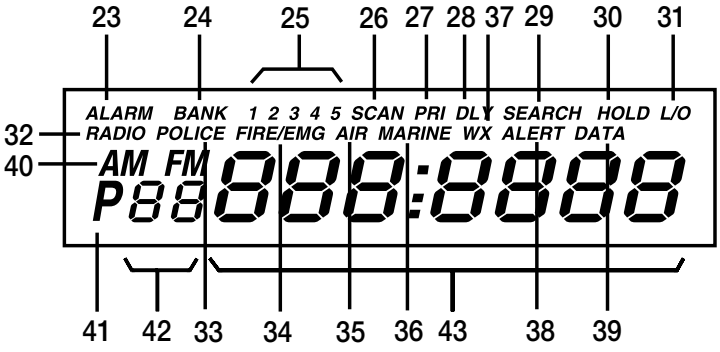
18. ***SEARCH* Key** Press to start search.

19. ***HOLD*▲Key** Press to go to the Scan Hold mode while scanning. Steps up through the minutes in the clock mode, channel in the Manual mode, frequency in the Limit Search Hold mode.

20. **▼*LIMIT* Key** Press to program the range of frequency for searching. Press to go to the Frequency Step mode in the Normal Radio mode. Change to Search Hold mode while scanning. Steps down through the minutes in the clock mode,channel in the Manual mode, frequency in the Limit Search mode.

21 ***SCAN* Key** Press to start scanning.

22. ***MANUAL* Key** Press to stop scanning. Press MANUAL again to step to the next channel. Also use for direct channel access by first entering the channel number and then pressing MANUAL to go directly to that channel.



23. ***ALARM*** Appears when Alarm function is active. Flashes in the snooze function mode.

24. ***BANK*** Appears when in Scan mode, Manual mode and Weather mode.

25. ***1-5*** In Scan Mode, displays the bank being scanned. In Manual Mode, displays the bank number associated with the channel.

26. ***SCAN*** Appears when in Scan mode.

27. ***PRI*** Displays when priority function is active.

28. ***DLY*** Displays when delay function is active.

29. ***SEARCH*** Displays while searching.

30. ***HOLD*** Displays when in Manual mode and WX Hold mode.

31. ***L/O*** Appears when the current channel is locked out in manual mode, and when the frequency is skipped in search mode.

32. ***RADIO*** Appears when in Radio mode.

33. ***POLICE*** Displays when in Police Station Service Scan mode.

34. ***FIRE/EMG*** Displays when in Fire/Emergency Service Scan mode.

35. ***AIR*** Displays when in Air Channel Service Scan mode.

36. ***MARINE*** Displays when in Marine Channel mode.

37. ***WX*** Display when in weather mode and S.A.M.E.mode.

38 ***ALERT*** Appears when Weather Alert Mode is active. It flashes when Weather Alert and S.A.M.E signals is detected.

39 ***DATA*** Appears when in Data Skip operation.

40. ***AM,FM*** Appears when receiving band is AM or FM in Radio mode.

41. ***P*** Appears next to the channel that has been assigned as the current priority channel.

42. ***Channel*** Represents the current channel 1 through 100.

43. ***Frequency/Time*** 7-digit display that shows the current frequency and time. Last digit shows A for a.m. P for p.m.

Scanning Overview

The BC278CLT has 100 memory channels. Each can be programmed to store one frequency within the band of frequency coverage. (For a listing of frequency ranges and bands, see Technical Specifications on page 38.)

When you press ***SCAN***, the BC278CLT scans each programmed frequency for activity (skipping channels that are locked out) at the rate of up to 25 channels per second. As the unit scans, the word ***SCAN*** moves across the display and the bank number flashes.

When the scanning stops on an active frequency, it remains on that channel as long as the transmission continues. When the transmission ends, the scanning cycle resumes. If you are in the delay mode, the scanner stays on the channel for 2 more seconds, waiting for a responding transmission. If no responding transmission is detected, the scanning cycle resumes.

CLOCK SET-UP

Initial Clock Set-up

NOTE

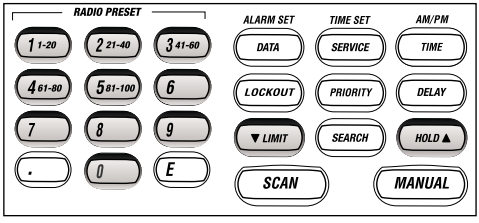
You may bypass the steps to set the clock. The scanner will function as normal, but the clock and alarm features will not function.

1. When power is initially applied, the display flashes **12:00 P** press and hold the TIME SET key until you hear 2 short beeps.

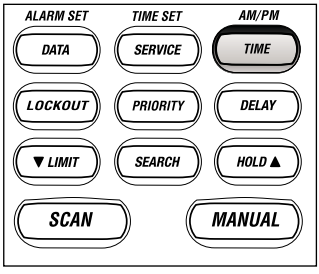
2. Then enter the time directly by pressing the numeric keys.

   OR

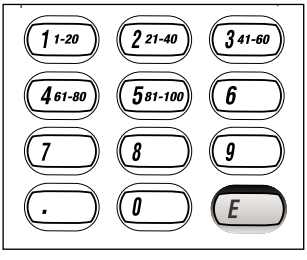
   Enter the time by pressing the ▼/▲ keys. To scroll through more quickly, press and hold ▼/▲ .



3. Press ***AM/PM*** to select the desired setting, either a.m. or p.m.



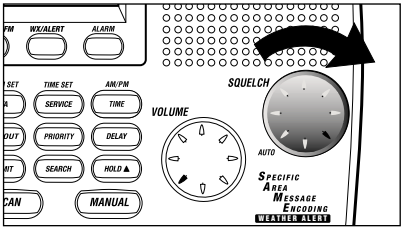
4. Press ***E*** to complete the entry. The display stops flashing.



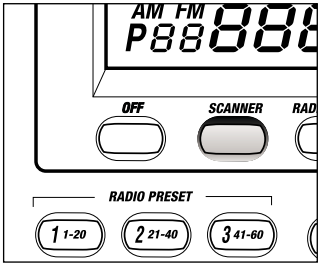
USING THE SCANNER

Set the Squelch

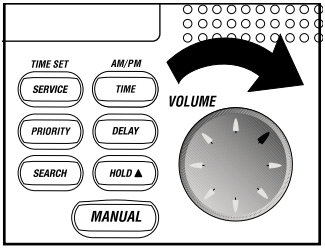
1. Turn ***SQUELCH*** fully clockwise to the highest setting.



2. Press ***SCANNER*** to turn on the scanner.

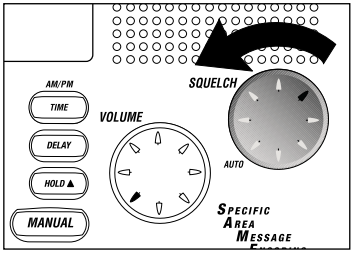


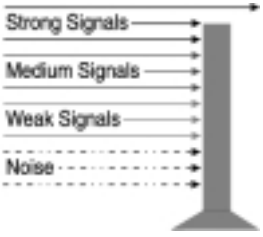
3. Adjust the ***VOLUME*** control until you can hear a steady noise.



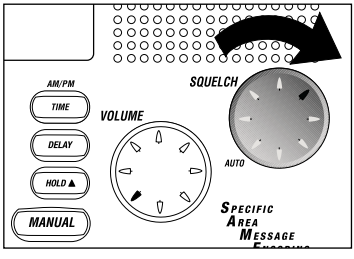
4. To set the ***SQUELCH*** control to ***AUTO*** turn fully counterclockwise until control clicks into place. Or, manually set squelch as follows:

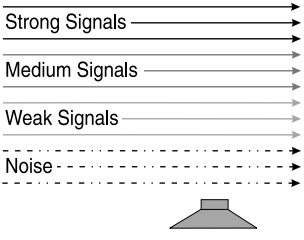
   - Think of squelch as a gate. Turn ***SQUELCH*** fully counter clockwise. This raises the "Squelch Gate" so high that only very strong signals can get through.



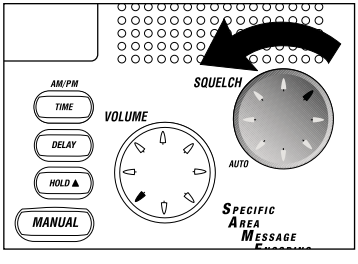


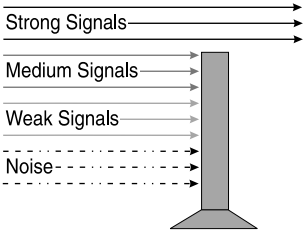
   - Turn ***SQUELCH*** fully clockwise until you hear a hiss. This lowers the "Squelch Gate" so that everything gets through — noise, weak signals, and strong signals.



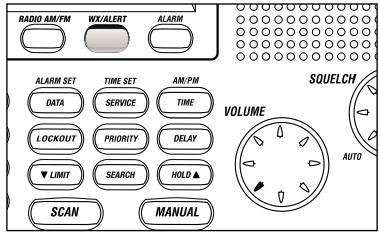


   - Turn ***SQUELCH*** back counter clockwise until the hiss stops. Now the "Squelch Gate" allows only strong signals through.





5. The scanner automatically starts scanning. But if you have not programmed any channels yet, press ***WX*** to hear your local weather broadcast.



6. Adjust ***VOLUME*** to a comfortable listening level.

Programming Tips for scanner

- Program one frequency per channel.
- Channel 1 is the location of the default priority channel. Program the most important frequency, or the one of major interest, into Channel 1. You may also select any other channel to be the priority channel.
- To quickly program a series of channels, start with the lowest number channel. For example, when you are programming five new frequencies into Channels 4 through 8, start with Channel 4. After you complete the programming in one channel (by pressing ***E***), press ***MANUAL*** to step up to the next channel.
  Channels are grouped by banks for easy scanning control. The channels associated with the banks are as follows:
-

Bank Number	**Channel Number**
1	1 through 20
2	21 through 40
3	41 through 60
4	61 through 80
5	81 through 100

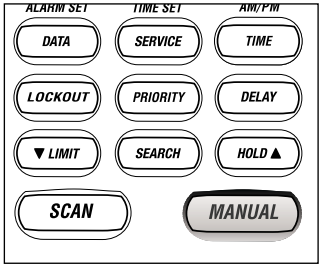
- If you make an error during programming, or the frequency is out of range, Error appears on the display.
- If you program the same frequency in two channels, the display will indicate the channel with the duplicate frequency. If you want to have two of the same frequencies on different channels, accept the entry by pressing ***E*** again.
- During numeric entry, if you know that you pressed the wrong number, press **.** (decimal point) until the entry is cancelled out. When the previous frequency is displayed, you may re-enter the frequency.
- Above 406MHz, the frequency steps are in 12.5kHz increments. To enter a frequency such as 450.4875, press each of the seven digits in sequence.

Programming Scanner Frequencies

Before you can use your BC278CLT scanner, you must program the channels (except weather and service frequencies). Follow these steps:

Example: Program 420.150 MHz into Channel 12.

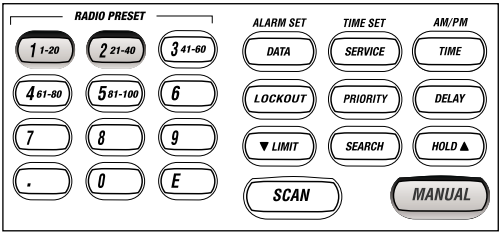
1. Press ***MANUAL*** to stop scanning.



2. To select the channel (12), press ***1***, then ***2*** on the numeric keypad. Then press ***MANUAL*** again.

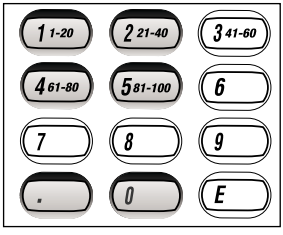
   OR

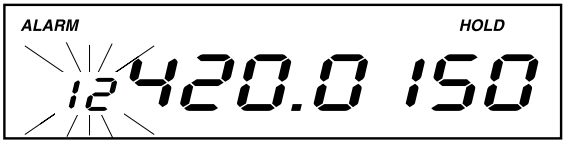
   Press ▼/▲ until channel 12 appears in the display.



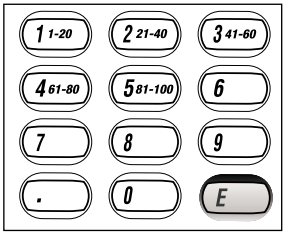
3. Type in the frequency numbers, including the decimal point, using the numeric keypad: 420.0150. Channel digits flash as you make entry.

   If you enter the number which cannot receive the signals, the scanner automatically set the nearest effective frequency number.





4. Press ***E*** to complete the entry. The channel . digits stop flashing.

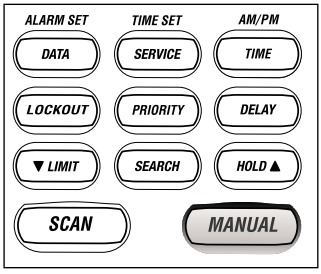


Deleting a Scanner Frequency

If you want to delete a stored frequency, follow these steps:

Example: Delete the frequency in Channel 12.

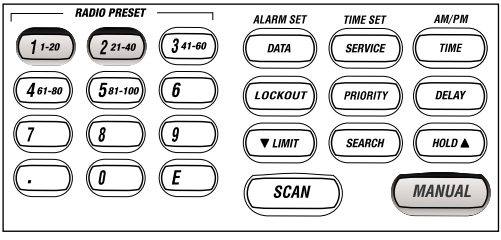
1. Press ***MANUAL*** to stop scanning.



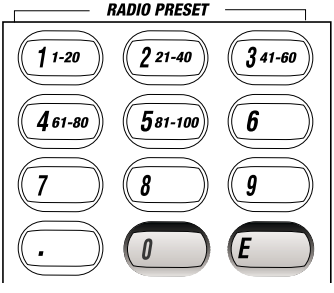
2. To select the channel (12), press ***1***, then ***2*** on the numeric keypad. Then press ***MANUAL*** again.

   OR

   Press ▼/▲ until channel 12 appears in the display.



3. Press ***0***, then ***E*** to complete the entry. The channel digits stop flashing.



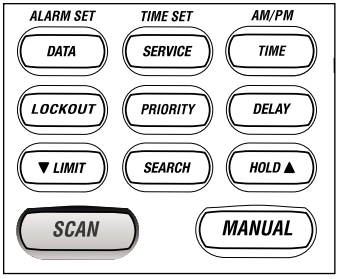
. The following screen appears.

About Memory Back-up

Your BC278CLT has a convenient memory back-up system. In the event of a power failure, the scanner will retain channel information for an indefinite amount of time. Channel information is stored in non-volatile memory.

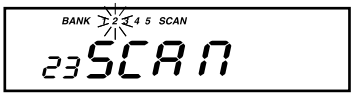
Scanning Mode

Press ***SCAN***. (When the scanner is first turned on, it is automatically in Scan mode.) Scanning automatically stops on any active channel, except those channels locked out.

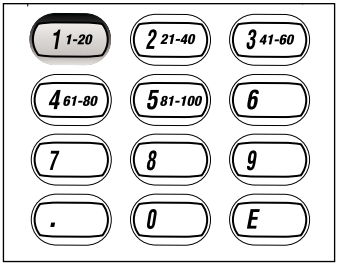


Bank Scanning

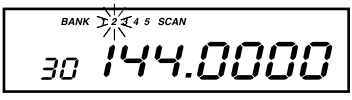
While scanning, you can select specific banks to monitor. The bank numbers 1-5 appear in the display when active.



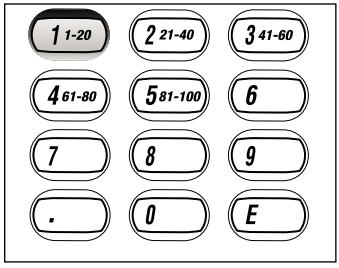
To deactivate a bank, press the bank number on the keypad. The bank number on the screen goes out.



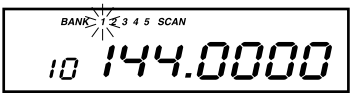
.



To restore the bank number, press the number on the keypad. The bank number appears in the display.

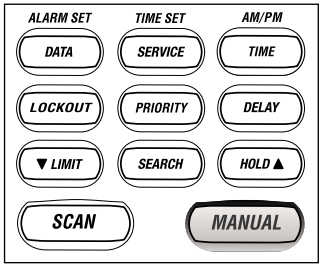


The bank number associated with channel currently being monitored flashes.



Manual Mode

Press ***MANUAL*** any time to stop scanning. The scanner remains on the displayed channel. Press ***MANUAL*** to step up to the next channel. If desired, you can press ***MANUAL*** repeatedly to manually scan all 100 channels. To scroll through the channels more quickly, press and hold ***MANUAL***. Press ***SCAN*** to start scanning again.

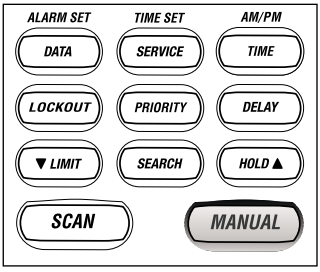


Direct Channel Access

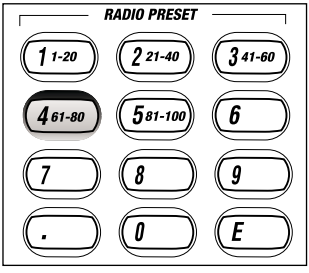
This feature allows you to instantly access a specific channel you want to monitor.

Example: Select Channel 4.

1. Press ***MANUAL*** to exit scan mode.



2. Press ***4***.



NOTE

*When you press **4**, the display changes to 4, but the scanner still monitors the previous channel.*

3. Press ***MANUAL*** again to successfully complete the direct access to Channel 4.

Priority Scanning

Priority Scan works like a dual watch function. When you activate Priority Scan mode, the scanner keeps track of the activity on the priority channel while listening to other channels. A constant ***PRI*** appears on the display

NOTE

Priority Scan mode does not operate when the scanner is in Weather mode.

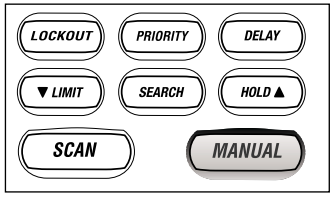
Every two seconds, the scanner checks the priority channel for activity. If a signal is found, the scanner remains on the priority channel until the transmission ends. If the signal stops for more than two seconds, normal scan operation resumes.

To Set the Priority Channel

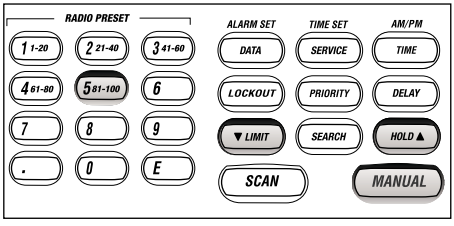
Your BC278CLT has one default Priority Channel per bank. Each priority channel is set at the first channel in the bank. To change the priority channel, determine the frequency most important to you and program it into the desired channel location.

Example: To set Channel 5 as the priority channel.

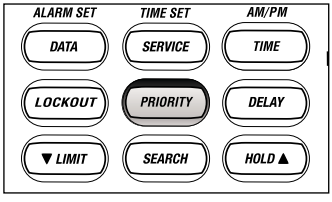
1. Press ***MANUAL*** to exit the Scan Mode.



2. Press 5 then ***MANUAL*** for direct channel access. Or select channel 5 using the ▼ / ▲ keys.



3. Press and hold ***PRIORITY***.



The ***PRI*** indicator appears in the display and ***P*** appears to the left of the selected channel.

To enter the Priority Scan Mode

When in Scan or Manual mode, press ***PRIORITY***. The ***PRI*** indicator appears in the display.

To exit the Priority Scan Mode

Momentarily press ***PRIORITY*** again. The ***PRI*** indicator goes out.

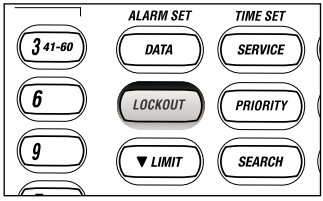
Channel Lockout

You can lock out a channel so it is not scanned. Channel Lockout does not erase the frequency from the channel. You can lock out up to 100 channels, including the Priority channel. Lockout information is retained in the memory when the scanner is turned off.

To Lock out a Channel

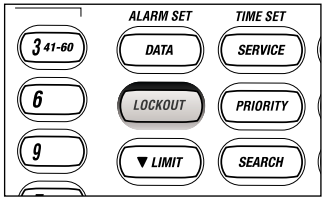
Example: Suppose you want to lock out Channel 2 because it stops on transmissions you don't want to hear.

Press ***LOCKOUT*** when the scanner stops on Channel 2.



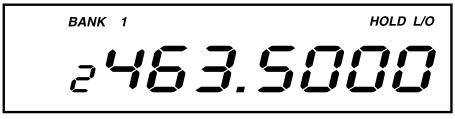
The scanner locks out Channel 2. Then it immediately advances to the next channel that is not locked out, and resumes scanning.

In the Manual mode, press ***LOCKOUT*** to lock out the displayed channel. Pressing ***LOCKOUT*** does not advance to the next channel in Manual mode.



L/O appears in the display to indicate the displayed channel is locked out.

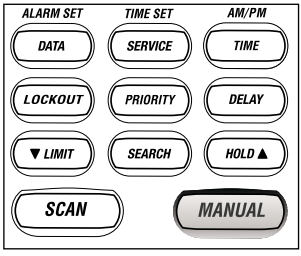
Whenever you want to search for channels that are locked out, press ***MANUAL*** repeatedly to go through all 100 channels. If a channel is locked out, ***L/O*** appears in the display.



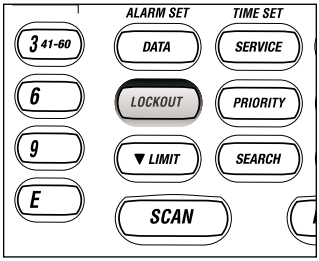
Restore a Locked Out Channel

To unlock a channel so that it can be monitored during scanning:

1. Press ***MANUAL*** repeatedly to find the locked out channel.



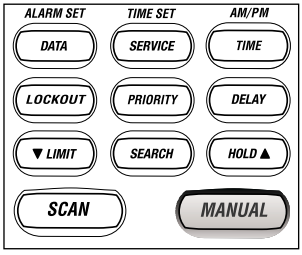
2. Press ***LOCKOUT*** again to unlock the displayed channel. ***L/O*** no longer appears in the display.



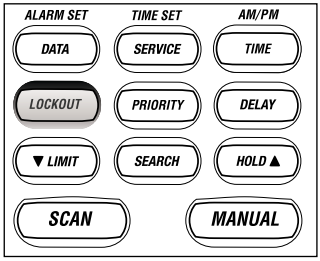
Restore All Locked Out Channels

To unlock all channels, you must be in the Manual Mode.

1. Press ***MANUAL.***



2. Press and hold ***LOCKOUT*** to unlock all channels. The ***L/O*** indicator goes out on any channel previously locked out.

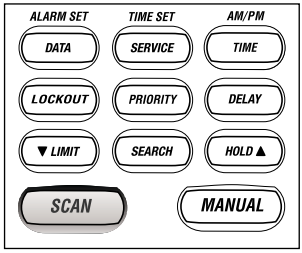


Delay

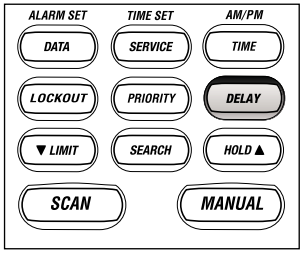
In the Scan mode, the delay feature causes the scanner to remain on the frequency 2 seconds after the end of a transmission to wait for a possible reply. A Delay function can be set for each programmed channel so that when searching stops on a channel there is a brief pause before the scanning resumes. The delay can be set when your scanner stops on a channel while scanning or when a channel is selected by Manual mode.

To Set Delay in Scan Mode

1. Press ***SCAN***.

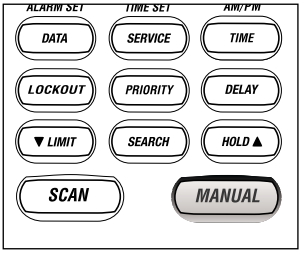


2. When your scanner stops on a channel, press ***DELAY***. ***DLY*** appears in the display and scanning resume 2 seconds after the transmission ends.

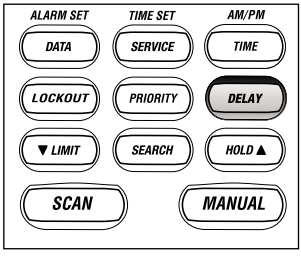


To Set Delay in Manual Mode

1. Press ***MANUAL***.



2. Select the channel you want using your keypad.
3. Press ***MANUAL*** again.
4. Press ***DELAY***. ***DLY*** appears in the display.



Searching

The BC278CLT can search a specific frequency range to find frequencies. To use the search function, set a search range first.

To set the frequency range

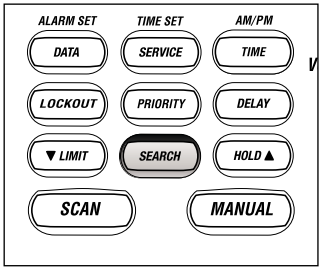
You can set the frequency range in Manual mode, Service Scan mode, WX mode, and Search Mode. When you wish to set the frequency range for the first time, you cannot enter Search mode.

1. Enter the lowest frequency by using the number keypad 0-9 then press ▼***LIMIT***.
2. Enter the highest frequency range by using the number keypad 0-9 then press ▼***LIMIT***.

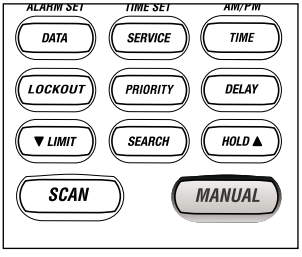
To search

If you enter Search mode before setting the frequency range, Error appears on the display.
To avoid this, you have to set the frequency range before entering Search mode for the first time.

1. Press ***SEARCH*** to start searching

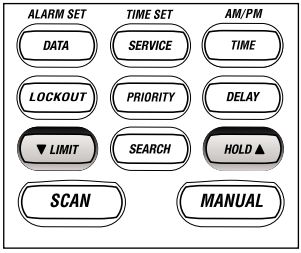


2. Searching stop when a transmission is found.
3. Press ***SEARCH*** again to continue searching.
4. To exit search mode, press ***MANUAL***

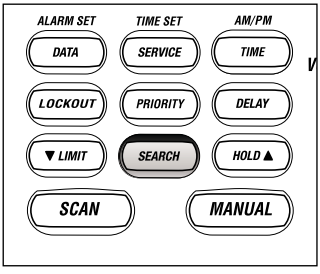


Search Hold mode

1. Press ***HOLD***▲ or ▼***LIMIT*** at any time to stop the search.

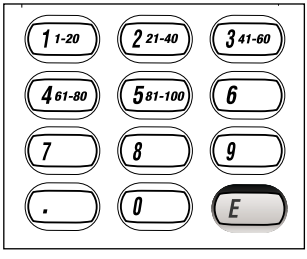


2. Press ***HOLD***▲ to move to the next higher frequency, or press ▼***LIMIT*** to move down to the previous frequency.
3. Press ***SEARCH*** to resume searching



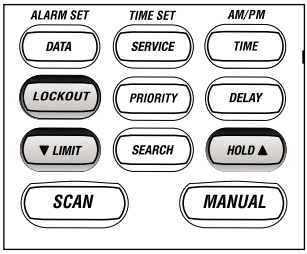
Storing Search Frequencies

You can quickly store any frequencies you find during search. In Search Hold mode, or, when transmission is received during the search, press ***E***. The frequency will be stored in the channel which is flashing on the display. After storing is completed, the scanner returns to Manual mode.



Search Skip

A scanner normally stops on any transmission it receives. You can set unwanted data signals or transmissions to skip during search (up to 10 frequencies). Press ***LOCKOUT*** when the search stops on an unwanted frequency.

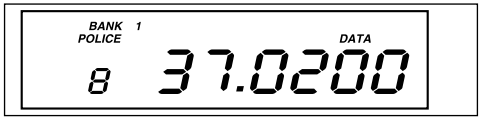


To cancel this function, press ***HOLD▲*** to hold the search and select the frequency by using ***HOLD▲*** or ***▼LIMIT***, then press ***LOCKOUT***.

Service Scan

The Service Scan feature allows you to toggle through four bands preprogrammed for Police, Fire/Emg, Air and Marine.

1. Press ***SERVICE***.
One of POLICE, FIRE/EMG, AIR, or MARINE on the display blinks.



2. If you wish to scan another band, press ***SERVICE*** until you select the band you like.
3. After a two-second delay, scanning begins.
4. To exit, press ***MANUAL***.

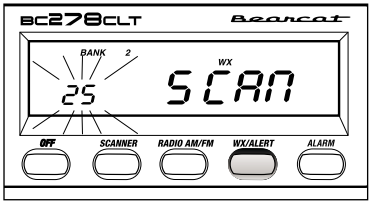
During search of one of the preprogrammed service bands, press ***HOLD▲*** or ***▼LIMIT*** to stop on a frequency.

Press ***HOLD▲*** or ***▼LIMIT*** to move up or down one programmed frequency, or press ***SCAN*** to resume scanning.

Weather Channel

The BC278CLT allows you to search from 7 pre-programmed NOAA channels for your local NOAA weather channel.

Press ***WX/ALERT*** to find the active weather channel in your area. ***WX*** icon appears in the display. It is possible that your area is covered by more than one weather station.



NOTE

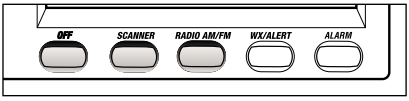
All weather channels transmit continuous broadcasts. Once the Weather Scan stops on a transmission, it remains on that channel. Weather Scan does not resume automatically. You must press ***WX/ALERT*** *again to resume weather scanning.*

When you press ***WX/ALERT***, the BC278CLT immediately finds an active broadcast. If the broadcast sounds weak and distant, press ***SCAN*** to look for a closer station.

NOTE

In some parts of the country, you may not be able to monitor weather broadcasts, such as in low-lying areas. Normally a higher location improves the reception.

To exit Weather Channel Scan mode, press ***SCANNER***, ***RADIO AM/FM*** or ***OFF***.



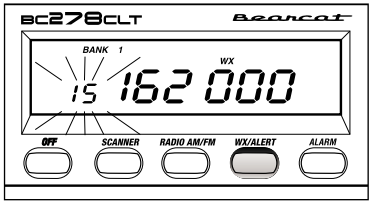
NOTE

Do not program a weather frequency into one of the 100 channels. Because weather channels transmit continuously, the scanner remains on that channel, disrupting the scanning cycle. The Weather Scan feature is provided specifically to avoid this occurrence.

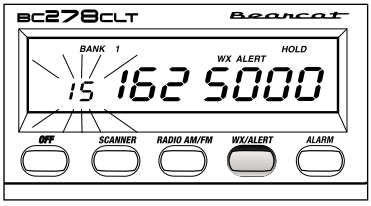
Weather Alert with S.A.M.E.

In Weather Alert with S.A.M.E. mode, your scanner functions as a severe weather warning radio. This is especially useful when your area is expecting severe weather conditions late at night. When you set the scanner to Weather Alert mode, it emits a loud siren whenever your local NOAA weather station broadcasts a severe weather emergency tone.

1. Press ***WX/ALERT*** to find the active weather channel in your area. ***WX*** icon appears in the display. It is possible that your area is covered by more than one weather station.



2. Press ***WX/ALERT*** again to select the Weather Alert mode. The ***ALERT*** and ***HOLD*** icons appear in the display. Your scanner volume is muted until the warning tone sounds.



Your scanner now functions as a Weather Alert radio, waiting to receive a severe weather emergency tone. When your scanner receives the emergency tone from your local NOAA weather station, it responds with a loud siren at maximum volume (regardless of the volume control setting). The siren will continue until the emergency tone stops transmitting.

To cancel the siren, press ***WX/ALERT***.

NOTE

To test the siren, set the radio to Weather Alert mode during your local NOAA weather stations' regularly scheduled testing period. Contact your local NOAA office to find out the exact date and time of the testing period.

About S.A.M.E.

Specific Area Message Encoding (S.A.M.E.) are NOAA's coded emergency weather signals that identify a specific geographic area affected by an emergency.

The BC278CLT receives the emergency weather alert broadcasts that notify you of weather warnings, watches and statements. When you receive S.A.M.E. for your area, your scanner beeps and the display shows as follows.

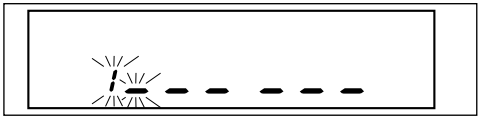
Signal	Display
Warning	ALErt 1
Watch	ALErt 2
Statement	ALErt 3
Test	tEst

To obtain further information about S.A.M.E. and FIPS code, visit http://www.abrfc.noaa.gov/wtodocs/ nwr.html

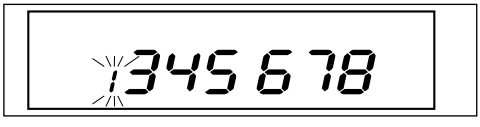
Programming FIPS Code

The 6-digit Federal Information Processing System (FIPS) code established by the National Weather Service (NWS) identifies geographic areas in the United States. This code can be repeated up to 30 times during an alert broadcast. Programming FIPS code is necessary to receive S.A.M.E. alerts about weather occurring in a particular area.

1. Press ***WX/ALERT*** to enter WX Scan mode.
2. Press ***WX/ALERT*** again to enter Alert mode.
3. Then press and hold ***WX/ALERT*** to enter FIPS Code Programming mode.



4. Select the memory location number by using ***HOLD***▲ and ▼***LIMIT***. You can store up to 15 FIPS codes. If you are programming the FIPS code for the first time, select 1.
5. Enter FIPS code by using the number key pad. To cancel all FIPS data in the location, press the decimal key.



6. When you finish entering the 6-digit code, press ***E*** to store.
7. To finish the programming, press“decimal key”.

To obtain a FIPS code for your area, call the NWS toll free at; 1-888-697-7263 or visit http://www.nws.noaa.gov/nwr/indexnw.htm

ADDITIONAL FEATURES

LCD Backlight

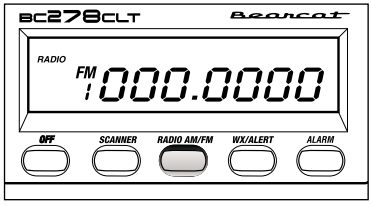
The LCD backlight comes on when the power is applied. In Scan mode, Manual mode, and Weather mode, the backlight stays on bright continuously. In the other modes, the backlight stays bright for ten seconds and then switches to dim. Press any key and the display switches back to bright for ten seconds.

Programming Radio AM/FM Frequencies

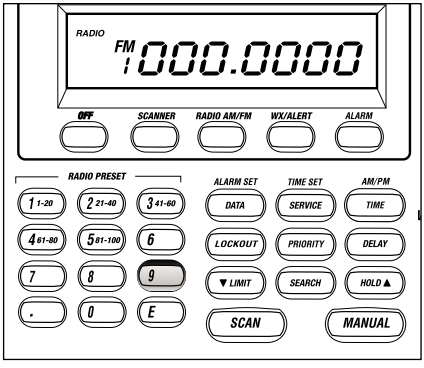
Before you can use the Radio mode, you must program the channels with your favorite radio stations. You can program up to 20 stations (10 AM/10 FM). Follow these steps:

Example: Program FM Channel 9 with 92.5000 MHz.

1. Press ***RADIO AM/FM*** to enter into the Radio mode. (The initial default setting is FM Channel 1 with 000.0000 MHz for the frequency). The ***RADIO*** and ***FM*** icons appear in the display.



2. To select the channel (9), press ***9*** on the numeric keypad.

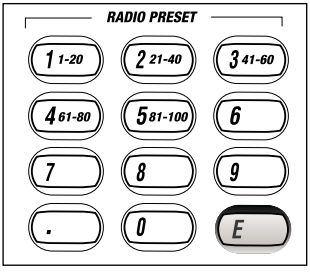


NOTE

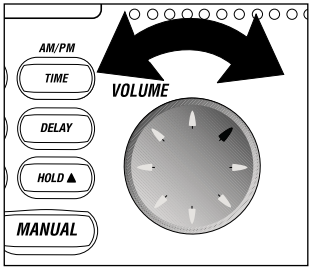
Press 0 to select channel 10.

3. Press ▼ or ▲ to set the desired frequency. The channel number flashes. Continue to press ▼ or ▲ to step through the frequencies in 100kHz steps. Or, press and hold ▼ or ▲ to step through the frequencies more quickly until 92.5000MHz appears in the display.

4. Press ***E*** to complete the entry. The channel digits stop flashing.



5. Adjust the ***VOLUME*** control to a comfortable comfortable listening level.



Continue to program your favorite radio stations in the other nine FM channels using the above example.

To program the ten AM channels, press ***RADIO AM/FM*** to select the AM Mode. The ***AM*** icon appears in the display. Then repeat Steps 2. through5. You will step through the frequencies in 10kHz steps.

To change a programmed Radio Frequency, repeat the steps above using new frequencies.

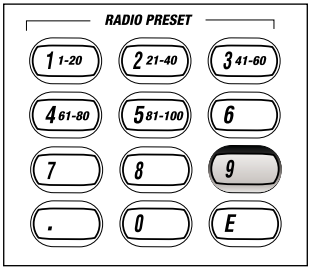
Deleting a Stored Radio Frequency

If you want to delete a stored frequency, follow these steps:

Example: Delete the frequency in Channel 9.

1. Press ***RADIO AM/FM*** to enter into the Radio mode.

2. To select the channel (9), press ***9*** on the numeric keypad.



3. Press the ▼ or ▲ keys until ***000.0000*** appears in the display. (In FM ***000.0000*** is between ***108.0000*** and ***88.0000***. In AM ***0000*** is between ***1720*** and ***520***.)

4. Press ***E*** to complete the entry. The channel digits stop flashing.
5. The following screen appears.

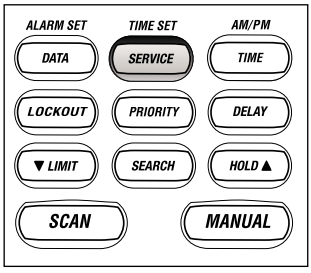
Direct Channel Access for Radio Stations

Once the channels are programmed, to directly access the channel, follow these steps:

1. Press ***RADIO AM/FM*** until the ***AM*** or ***FM*** icon that you want appears in the display.
2. Press the desired channel number on the keypad. The frequency appears in the display.
3. Adjust the ***VOLUME*** control for a comfortable listening level.

Reset the Clock Time

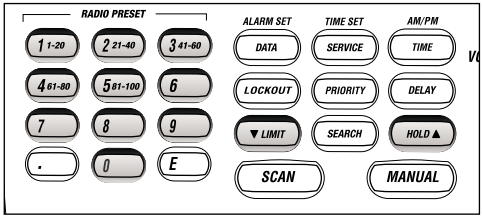
1. To reset the clock time, simply press and hold the ***TIME SET*** key. The display digits flash.



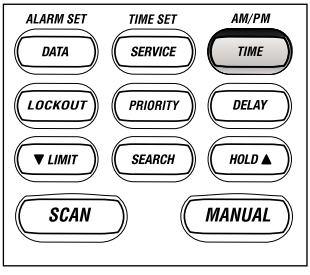
2. Enter the time directly by pressing the numeric keys.

   OR

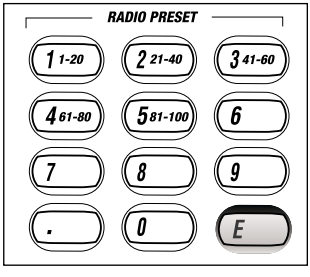
   Enter the time by pressing the ▼ / ▲ keys.



3. Press ***AM/PM*** to select the desired setting either a.m. or p.m.



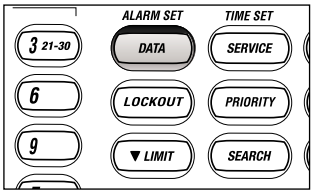
4. Press ***E*** to complete the entry. The display stops flashing.



Set the Alarm Time

There are two types of alarm sounds with this scanner, Tone Alarm and Radio Alarm. Alarm time is set in the same manner for both types of alarm.

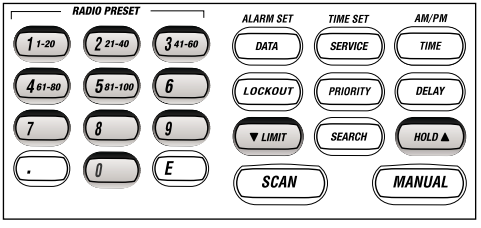
1. After the clock time has been entered, press and hold ***ALARM SET*** until the time indicated and ***ALARM*** indicator flashes in the display.



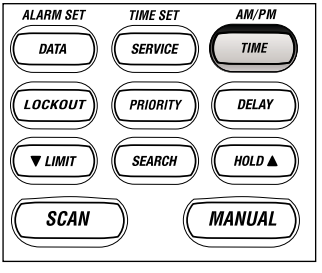
2. Enter the alarm time directly by pressing the numeric keys.

   OR

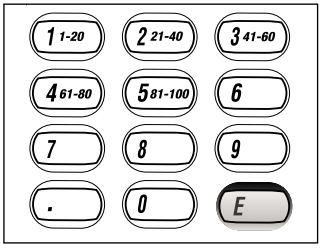
   Enter the time by pressing the ▼/▲keys.



3. Press ***AM/PM*** to select the desired setting, either a.m. or p.m.



4. Press ***E*** to complete the entry.

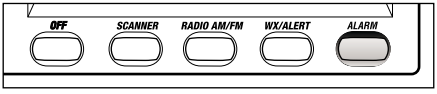


5. ***ALARM*** indicator and time stop flashing, but remain on.

6. The alarm time remains in the display for five seconds, then returns to current time.

Set Alarm to Tone Mode

Press ***ALARM*** to turn on the alarm function. The ***ALARM*** indicator and current alarm time are displayed.



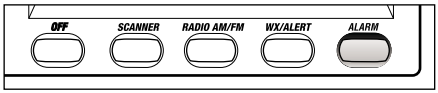
When the alarm goes off, it will sound as a series of beeps gradually growing louder. The alarm will continue for approximately 15 minutes if no action is taken.

Snooze function

To silence the alarm, simply press any key. This silences the alarm for about nine minutes. You can repeat this cycle for over an hour. The display is backlit for about ten seconds to view the current time.

Turn the Alarm Off

Press ***ALARM*** to deactivate the alarm function. When the alarm is off, the ***ALARM*** indicator and current alarm time are no longer displayed. Only the current time displays.



If you would like to listen to the scanner while waking up, turn the scanner on. The snooze function continues to operate while the scanner is turned on and in any mode.

If you find the Tone Alarm too loud, select the Radio Mode instead. The volume is adjustable.

Set Alarm to Radio Mode

Before you set the Radio Alarm, make sure an AM or FM channel has been selected and the ***VOLUME*** control is set to the desired level.

You must be in Clock mode(scanner off) to be woken up by the radio alarm.

1. Press ***OFF***.
2. Press and hold ***ALARM*** for more than 2 seconds. When the alarm is on, the ***ALARM*** and ***RADIO*** icons flash for 5 seconds.

3. The ***ALARM*** remains on.

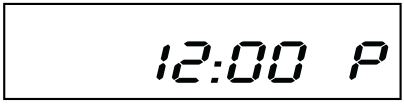
When the alarm goes off, it will play the radio station that was previously selected. The alarm will continue for approximately 15 minutes, if no action is taken.

Snooze function

To silence the alarm, simply press any key. This silences the alarm for about nine minutes. You can repeat this cycle for over an hour.

Turn the Alarm Off

Press ***ALARM*** to turn the alarm off. When the alarm is off, the ***ALARM*** icon and current alarm time are no longer displayed, only the current time is displayed.



ABOUT THE UNIT

Helpful Hints

General Use

- Turn the scanner off before disconnecting the power.
- Always write down the programmed frequencies in the event of scanner memory loss.
- If scanner memory is lost, simply reprogram each channel. The display shows CLEAr when there has been a memory loss.
- Always press each keypad button firmly until you hear the entry tone for that key.

Location

- If your scanner receives strong interference or electrical noise, relocate the scanner or its antenna away from the source of the noise. A higher elevation may provide better reception. Also, try changing the height or angle of the antenna.
- Avoid placing the unit in direct sunlight or near heating elements or vents.
- Do not plug the scanner into an outlet controlled by a wall switch as prolonged periods without power will cause the clock to reset.

Cleaning

- Disconnect the power to the unit before cleaning.
- To prevent scratches, do not use abrasive cleaners or solvents. Be careful not to rub the display window.
- Do not use excessive amounts of water.

Repairs

- Do not attempt any repair. The scanner contains no serviceable parts. Contact the Uniden Customer Service Center or take it to a qualified repair technician. (Page 37)

Birdies

- All radios are subject to receiving undesired signals or birdies. If your scanner stops during Scan mode and no sound is heard, it may be receiving a birdie. Birdies are internally-generated signals inherent in the electronics of the receiver. Press ***SCAN*** to resume scanning.

If you still cannot get satisfactory results and want additional information, or to return the unit for service, please call the Uniden Customers Service Department at the number on Page 37.

TROUBLESHOOTING

If your BC278CLT is not performing properly, try the following steps.

Problem	Solution
■ Scanner won't power up.	■ Check the connections at both ends of the AC Adapter. ■ Turn on the wall switch of your room. You could be using an outlet controlled by the wall switch. ■ Move the AC Adapter to another wall outlet.
■ Poor reception.	■ Check antenna connection. ■ Move the antenna. ■ If the programmed frequency is higher than 406MHz, a shorter antenna length may improve the reception. ■ Relocate the scanner. ■ You may be in a fringe area. This could require an optional multi-band antenna. Check with your dealer or local electronics store.
■ Scan won't start.	■ Press the ***SCAN*** key again. ■ Adjust the Squelch control. ■ Check to see if 100 channels are locked out. If so, unlock the channels as needed.

Problem	Solution
■ Scan won't stop.	■ Adjust squelch to the threshold (Page 9). ■ Check the antenna connection. ■ Check to see if many of the channels are locked out. If so, the scanner has less chance of finding an active channel. ■ Review each channel's frequency to see if it is correct and no memory has been lost. ■ It is possible that none of the programmed frequencies are active at this time.
■ Weather Scan won't work.	■ Adjust squelch to the threshold (Page 9). ■ Check the antenna connection. ■ It is possible that there are no active stations within range.

At Uniden, we'll take care of you!

If you need any assistance with this product, please call our Customer Hotline at:

1-800-297-1023

PLEASE DO NOT RETURN THIS PRODUCT TO THE PLACE OF PURCHASE.

Our Uniden representatives will be happy to help you with any matters regarding the operation of this unit, available accessories, or any other related matters.

TECHNICAL SPECIFICATIONS

Certified in accordance with FCC Rules and Regulations Part 15 Sub-part C as of date of manufacture.

Band Coverage:		12 bands plus Weather Channel and AM/FM Radio Frequency
Coverage:	Scanner	29.0000-29.6950 MHz 10 Meter Amateur Band
		29.7000-49.9950 MHz VHF Low Band
		50.0000-54.0000 MHz 6 Meter Amateur Band
		Above bands in 5 kHz steps
		108.0000-136.9875MHz Air Craft Band in 12.5 kHz steps
		137.0000-143.9950 MHz Military Land Mobile
		144.0000-147.9950 MHz 2 Meter Amateur Band
		148.0000-174.0000 MHz VHF High Band
		Above bands in 5 kHz steps
		406.0000-419.9875 MHz Federal Government
		420.0000-449.9875 MHz 70cm Amateur Band
		450.0000-469.9875 MHz UHF Standard Band
		470.0000-512.0000 MHz UHF"T" Band
		806.0000-823.9875 MHz 849.0125-868.9875 MHz 894.0125-956.0000 MHz } Public Service Band Except Cellular Band
		Above bands in 12.5 kHz steps
	Radio	520 to 1720 KHz (AM Radio Band)in 10 kHz steps
		88 to 108 MHz (FM Radio Band)in 100 kHz steps
	Weather Service Channel	162.400/162.425/162.450/162.475/162.500/
		162.525/162.550MHz
Sensitivity (nominal)		0.3 μV 29-54 MHz
12dB SINAD:		0.4 μV 137-174 MHz
		0.6 μV 406-512 MHz
		0.8 μV108-137 MHz
		0.6 μV806-956 MHz
Channels:		100(20cH x 5 Banks)
Scan Rate:		Up to 25 channels per second
Search Rate:		Up to 25 steps per second
Audio Output (nominal):		0.6 to 0.7 W 10%THD
Power Requirements:		120V AC (±10%) 60Hz
Antenna:		Telescoping (included), AM Radio Loop Antenna(included)
External Jacks:		Antenna jack
		AM Radio Antenna jack
		External speaker jack
		AC 10V power jack
Accessories		AC/AC Adapter (AC-144U)
Speaker:		8 ohm, 2 watt
Operating Temp:		-10°C — +50°C
Storage Temp:		-20°C — +60°C
Size:		205 (W) x 139 (D) x 73 (H)mm
Weight:		1 lb. 7 oz. (without antenna)

Features, specifications, and availability of optional accessories are all subject to change without notice.

ONE-YEAR EXTENDED WARRANTY

Important: Evidence of original purchase is required for warranty service.

WARRANTOR: UNIDEN AMERICA CORPORATION ("Uniden")

ELEMENTS OF WARRANTY: Uniden warrants, for one year, to the original retail owner, this Uniden Product to be free from defects in materials and craftsmanship with only the limitations or exclusions set out below.

WARRANTY DURATION: This warranty to the original user shall terminate and be of no further effect one year after the date of original retail sale. The warranty is invalid if the Product is (A) damaged or not maintained as reasonable or necessary, (B) modified, altered, or used as part of any conversion kits, subassemblies, or any configurations not sold by Uniden, (C) improperly installed, (D) serviced or repaired by someone other than an authorized Uniden service center for a defect or malfunction covered by this warranty, (E) used in any conjunction with equipment or parts or as part of any system not manufactured by Uniden, or (F) installed or programmed by anyone other than as detailed by the owner's manual for this product.

STATEMENT OF REMEDY: In the event that the product does not conform to this warranty at any time while this warranty is in effect, warrantor will either, at its option, repair or replace the defective unit and return it to you without charge for parts, service, or any other cost (except shipping and handling) incurred by warrantor or its representatives in connection with the performance of this warranty. Warrantor, at its option, may replace the unit with a new or refurbished unit. THE LIMITED WARRANTY SET FORTH ABOVE IS THE SOLE AND ENTIRE WARRANTY PERTAINING TO THE PRODUCT AND IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES OF ANY NATURE WHATSOEVER, WHETHER EXPRESS, IMPLIED OR ARISING BY OPERATION OF LAW, INCLUDING, BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THIS WARRANTY DOES NOT COVER OR PROVIDE FOR THE REIMBURSEMENT OR PAYMENT OF INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states do not allow this exclusion or limitation of incidental or consequential damages so the above limitation or exclusion may not apply to you.

LEGAL REMEDIES: This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. This warranty is void outside the United States of America.

PROCEDURE FOR OBTAINING PERFORMANCE OF WARRANTY: If, after following the instructions in the owner's manual you are certain that the Product is defective, pack the Product carefully (preferably in its original packaging). The Product should include all parts and accessories originally packaged with the Product. Include evidence of original purchase and a note describing the defect that has caused you to return it. The Product should be shipped freight prepaid, by traceable means, to warrantor at:

Uniden America Corporation
Parts and Service Division
4700 Amon Carter Blvd
Fort Worth, TX 76155
(800) 297-1023, 8 a.m. to 5 p.m., Central Time, Monday through Friday

THANK YOU

FOR PURCHASING THIS UNIDEN PRODUCT!

Uniden®

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Covered under one or more of the following U.S. patents:

4,219,821	4,270,217	4,398,304	4,409,688	4,455,679	4,461,036	4,521,915	4,597,104	4,627,100
4,841,302	4,888,815	4,932,074	4,947,456	5,014,348	5,199,109	5,408,692	5,428,826	5,438,688
5,448,256	5,465,402	5,471,660	5,483,684	5,530,296	5,548,832	5,551,071	5,574,995	5,577,076
5,598,430	5,600,223	5,642,424	5,710,992					

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