

UBC 248CLT

8 BAND, 50 CHANNEL SCANNER with AM/FM RADIO

- FULLY PROGRAMMABLE
- FULL FREQUENCY LCD READOUT
- ALARM CLOCK
- AM/FM RADIO
- CHANNEL LOCKOUT
- PRIORITY CHANNEL
- SCAN DELAY
- MEMORY BACKUP
- FREQUENCY SEARCH



Reference Guide



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.

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Introduction

Getting Started

Operation

Clock Set-Up

Using the Scanner

Additional Features

About the Unit

Troubleshooting

Specifications

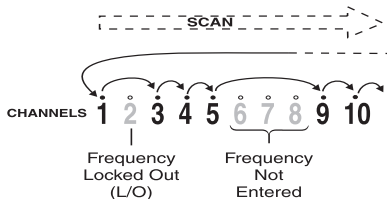
INTRODUCTION

About Scanning

Scanning is easy and fun with the UBC248CLT 50-Channel Base Scanner with AM/FM Radio.

What is Scanning?

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



The UBC248CLT scans programmed channels at rate of up to 12 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.

Types of Communication

You can monitor communications such as:

- Police and fire departments (including rescue and paramedics)
- Business/industrial radio
- Utilities
- Land transportation frequencies such as trucking firms, buses, taxis, tow trucks, and railroads
- Marine and amateur (ham radio) bands



- Many more in the 66-88MHz, 137-174MHz, and 406-512MHz ranges
- AM/FM radio

You must program a frequency into each channel you want to use.




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 unplug the scanner for prolonged periods of time, lack of power will cause the clock to reset.

Unpacking

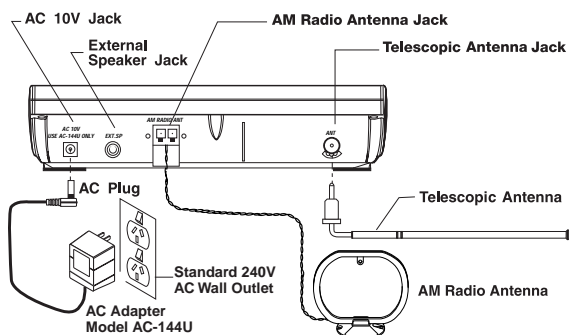
Carefully check the contents against this list:

- UBC248CLT Base Scanner
- Telescopic Antenna
- AM Radio Antenna
- AC Adaptor (Model AC-144U)
- This Reference Guide
- Registration Form

-  If any items are missing or damaged, contact the place of purchase
-  Complete and mail your Registration Form immediately.
-  Read this Reference Guide thoroughly before operating the scanner.

GETTING STARTED

Installing the UBC248CLT



1. Insert the small plug at the end of the AC Adaptor cord into the **AC 10V** jack on the scanner.
2. Plug the AC Adaptor into any standard 240V 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 vertically. 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

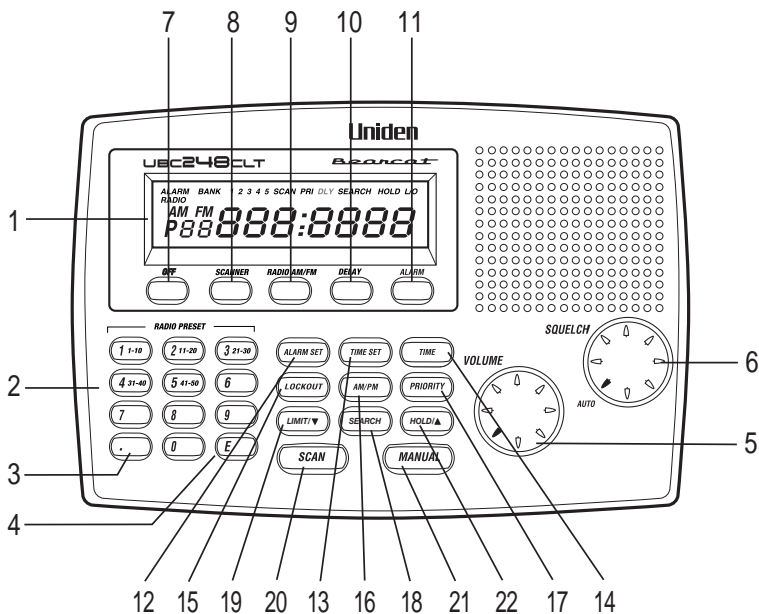
If your scanner receives strong interference or electrical noise, relocate the scanner or its antenna away from the source.

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.

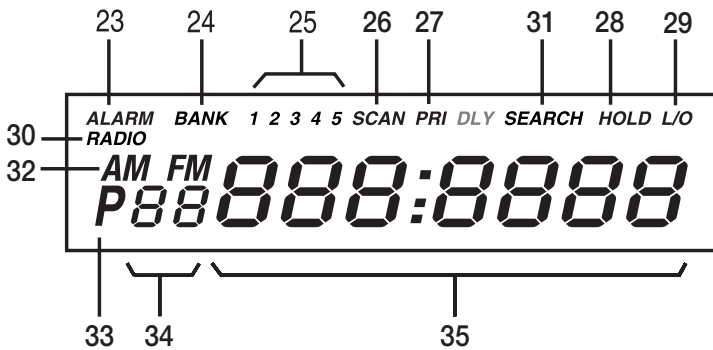
OPERATION

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/PM Key** Selects the Radio Mode. Also selects AM/FM in Radio Mode.

10. **DELAY Key** Turns Delay function. 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.
11. **ALARM Key** Turns the Tone Alarm. Turns the Radio Alarm ON/OFF by pressing the key more than 2 seconds.
12. **ALARM SET Key** Press more than 2 seconds to enter the Alarm Time Set mode.
13. **TIME SET Key** Press more than 2 seconds to enter the Present Time Set mode.
14. **TIME Key** 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. **AM/PM Key** Select a.m. or p.m. when setting the clock time or alarm time.
17. **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.
18. **SEARCH Key** Press to start searching.
19. **LIMIT /▼ Key** Channel Down and Set Search, Frequency Limit in Search Mode.
20. **SCAN Key** Press to start CH scan.
21. **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.
22. **HOLD /▲ Key** Channel Up and Hold Search in Search Mode.



- 23. **ALARM** Appears when Alarm function is active. Flashes in the snooze function mode.
- 24. **BANK** Appears when in Scan Mode, Manual 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. **HOLD** Displays when in Manual.
- 29. **L/O** Appears when the current channel is locked out.
- 30. **RADIO** Appears when in Radio Mode.
- 31. **SEARCH** Appears when in Search Mode.
- 32. **AM,FM** Appears when receiving band is AM or FM in Radio Mode.
- 33. **P** Appears next to the channel that has been assigned as the current priority channel.
- 34. **Channel** Represents the current channel 1 through 50.
- 35. **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 UBC248CLT has 50 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 32.)

When you press **SCAN**, the UBC248CLT scans each programmed frequency for activity (skipping channels that are locked out) at the rate of about 12 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.

Searching Overview

In contrast to Scanning which monitors only a group of frequencies that are stored in the scanner's channels, **Searching** monitors all the frequencies within a pre-selected range of frequencies (bound by upper and lower limits). If you find an interesting frequency while searching, you can store it in a channel for easier access later.

CLOCK SET-UP

Initial Clock Set-up

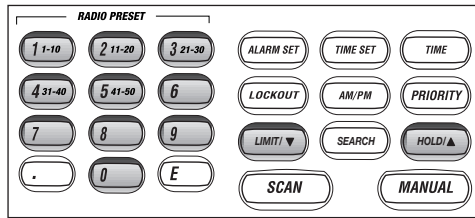
NOTE

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

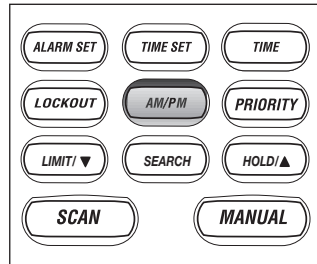
1. When power is initially applied, the display flashes **12:00 P** after a short delay.



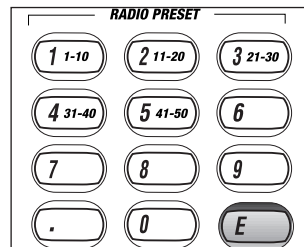
2. Enter the time directly by pressing the numeric keys.
OR
Enter the time by pressing the ▼ or ▲ keys. To scroll through more quickly, press and hold ▼ or ▲.



3. Press **AM/PM** to select the desired setting, either am. or pm.



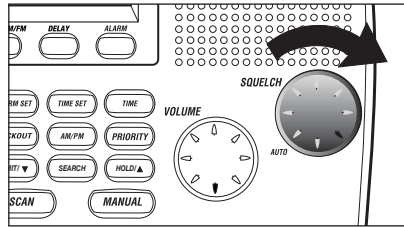
4. Press **E** to complete the entry. The display stops flashing.



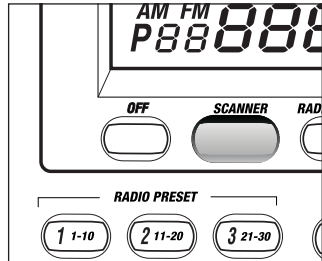
USING THE SCANNER

Set the Squelch

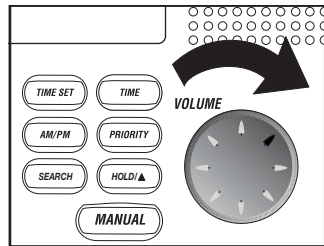
1. Turn **SQUELCH** fully clockwise to the highest setting.



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

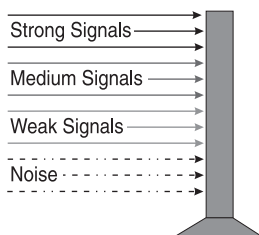
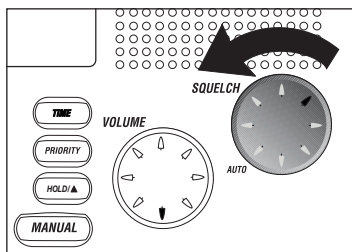


3. Adjust the **VOLUME** control until you can hear a steady noise.

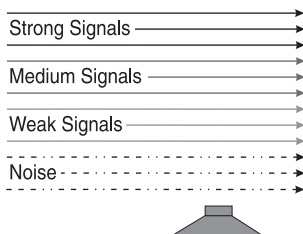
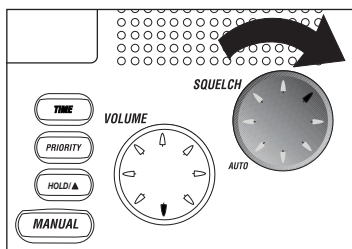


4. To set the **SQUELCH** control to **AUTO** turn fully counter clockwise until control clicks into place. Or, manually set squelch as follows:

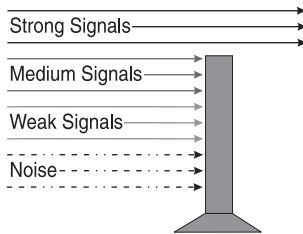
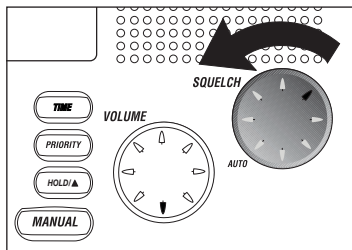
- Think of squelch as a gate. Turn **SQUELCH** fully counter clockwise. This raises the “Squelch Gate” so high that only very strong signals can get through.



- 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.



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:

<u>Bank Number</u>	<u>Channel Number</u>
1	1 through 10
2	11 through 20
3	21 through 30
4	31 through 40
5	41 through 50

- If you make an error during programming, or the frequency is out of range, **Error** appears on the frequency 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.



NOTE

*If **ALL LOC OUT** appears in the display, when you first turn the scanner on, this indicates that all the channel information has been manually erased. All channels are set to 0.0MHz. To clear this message, program the frequency and channel information as desired.*

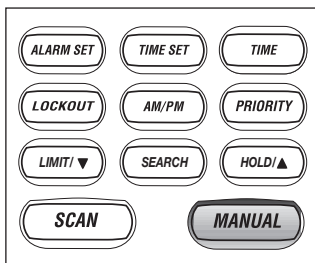
Programming Scanner Frequencies

Before you can use your UBC248CLT scanner, you must program the channels. Follow these steps:

Example: Program 420.0150 MHz into Channel 12.

Press scanner button to switch to scan mode.

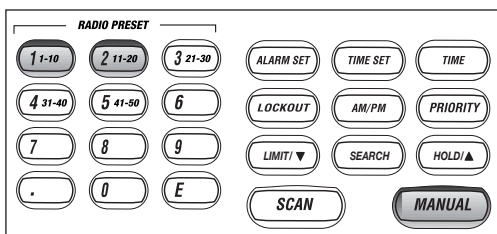
1. Press **MANUAL** to stop scanning.



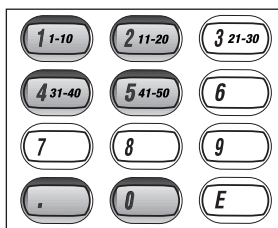
2. To select the channel (12), press **1**, then **2** on the numeric keypad. Then press **MANUAL** again.

OR

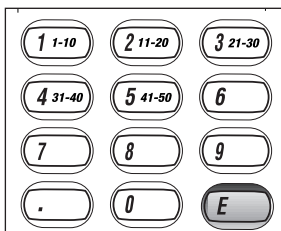
Press ▼ or ▲ until channel **12** appears in the display.



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



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



Display shows

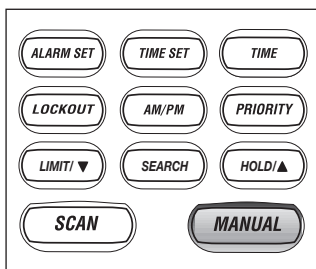


Deleting a Scanner Frequency

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

Example: Delete the frequency in Channel 12.

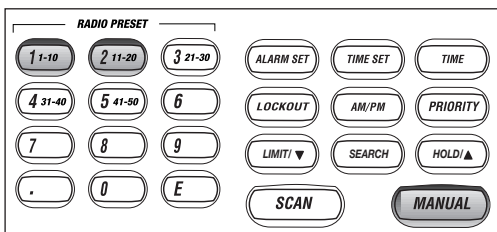
- Press **MANUAL** to stop scanning.



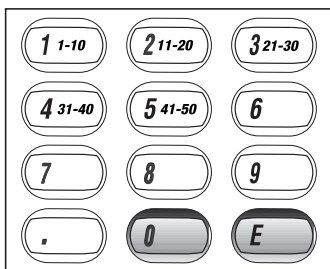
- To select the channel (12), press **1**, then **2** on the numeric keypad. Then press **MANUAL** again.

OR

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



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



4. The following screen appears.

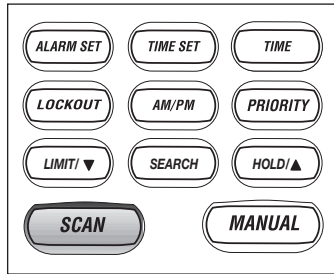


About Memory Back-up

Your UBC248CLT 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.

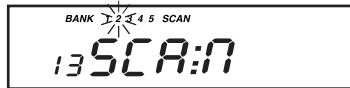
Scanning Mode

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.

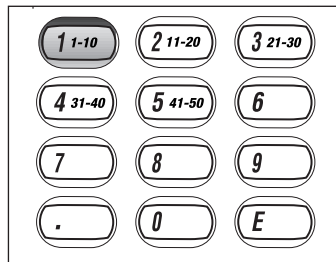


Bank Scanning

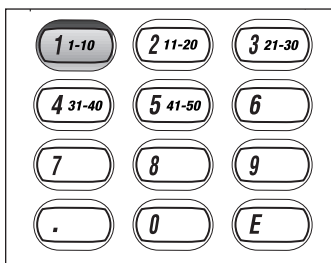
While scanning, you can select specific banks to monitor. The bank numbers 1-5 appear in the display as the active banks.



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.

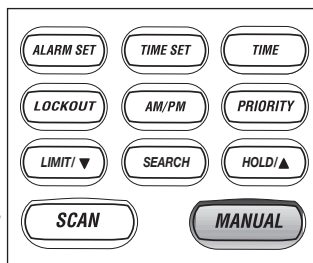


The bank number associated with channel currently being monitored flashes.



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 50 channels, one press per channel, including the channels that are locked out. To scroll through the channels more quickly, press and hold **MANUAL**. Press **SCAN** to start scanning again.

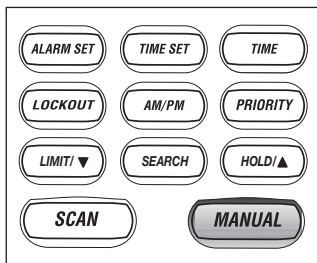


Direct Channel Access for Scanner

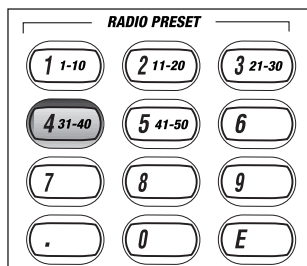
This feature allows you to instantly access a specific channel you want to monitor.

Example: Select Channel 4.

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



2. Press **4**.



*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

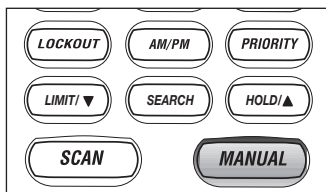
Every two seconds, the scanner checks the priority channel for activity. If a signal is found, the scanner remains on the priority channel until the transmission ends.

To Set the Priority Channel

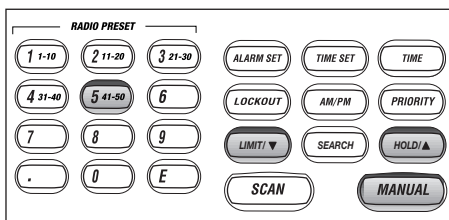
Your UBC248CLT has one default Priority Channel per bank. Each priority channel is, set at the first channel in the bank. To change the priority channel determine the frequency most important to you and program it into the desired channel location.

Example: To set Channel 5 as the priority channel.

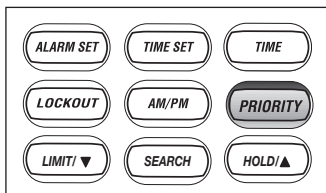
1. Press **MANUAL** to exit the Scan Mode.



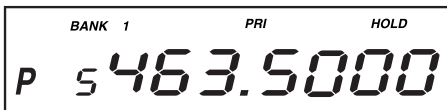
2. Press 5 and **MANUAL** for direct channel access. Or select channel 5 using the ▼ or ▲ keys.



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 50 channels, including the Priority channel. Lockout information is retained in the memory when the scanner is turned off.

To Lock out a Channel

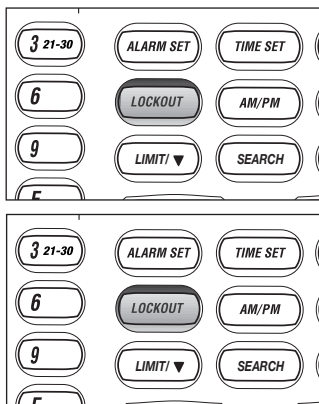
Example: Suppose you want to lock out Channel 2 because it stops on transmissions you don't want to hear.

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

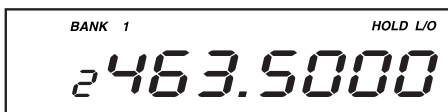
The scanner locks out Channel 2, Then it immediately advances to the next channel that is not locked out, and resumes scanning.

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.



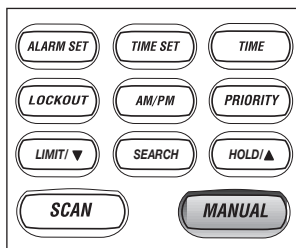
Whenever you want to search for channels that are locked out, press **MANUAL** repeatedly to go through all 50 channels. If a channel is locked out, **L/O** appears in the display.



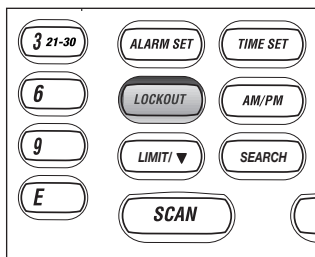
Restore a Locked Out Channel

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

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



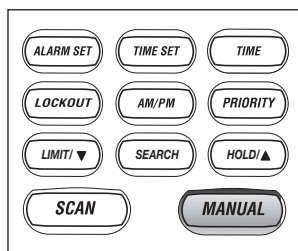
- Press **LOCKOUT** again to unlock the displayed channel. **L/O** no longer appears in the display.



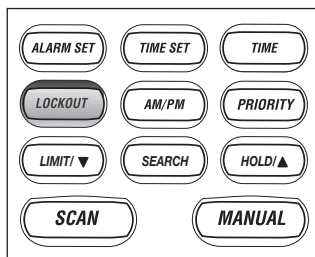
Restore All Locked Out Channel

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

- Press **MANUAL**.



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

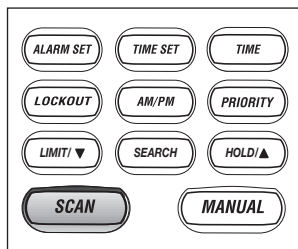


DELAY

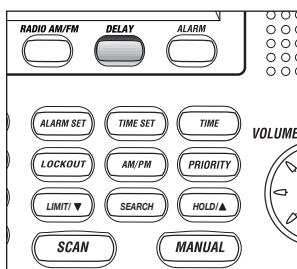
In the Scan Mode, the delay feature causes the scanner to remain on the frequency 2 seconds after end of the transmission to wait for a possible reply. A Delay function can be set for each programmed channel so that when searching stops on a channel there is a brief pause before the scanning resumes.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

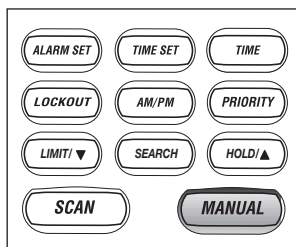


2. When your scanner stops on a channel, press **DELAY**. **DLY** appears in the display and scanning resume 2 seconds after the transmission ends.

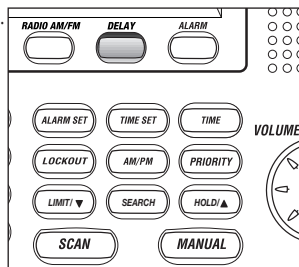


To Set Delay in Manual Mode

1. Press **MANUAL**.



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

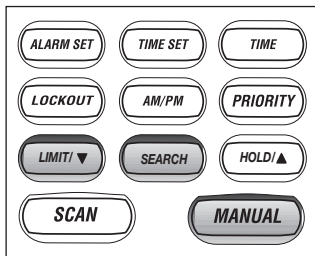


SEARCHING

The UBC248CLT can search bands or range of frequencies you specify to find desired frequencies. This is useful if user does not have a Frequency Directory handy, or if new stations have been added since the Directory was published.

Follow the steps below in programming range of frequencies:

1. Press **MANUAL** to stop scanning.
2. Use numeric keypad to enter the lowest frequency of the range you want to search.
3. Press **LIMIT**.
4. Enter highest frequency of the range you want to search.
5. Press **LIMIT**.
6. Press **SEARCH**.



Press **HOLD** at any time to stop the search on a frequency. When searching is stopped, you can press ▲ or ▼ to move up or down 1 frequency step

Programming Frequencies Using Search

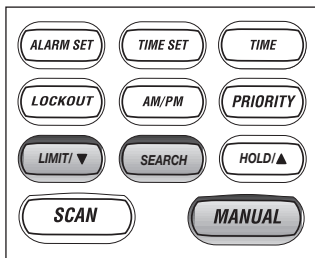
The user can program interesting frequencies during search.

1. Select the channel wherein you want the frequency to be stored.



Refer to above steps to operate the scanner in "Search" mode

2. When "searching" stops on an interesting frequency, press **HOLD** to stay on that frequency. The channel you selected will be blinking on the display.
3. Press **E** to store the displayed frequency in that channel.
4. Repeat steps 1 to 4 to continue storing frequency using search.

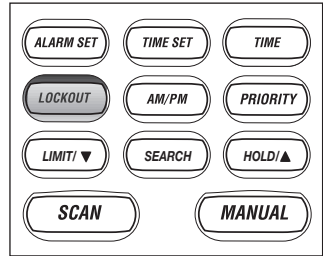


Locking Out Frequencies in Search

During search, you might repeatedly encounter frequencies that you are not interested in. Also, all scanners are subject to receiving internally generated frequencies (called *birdies*) that stop your scanner's search when there is no real signal present.

In either case, you can lock out such frequencies to make your scanner search more efficiently. To do this follow the steps below.

1. When the scanner stops on a frequency you want to lock out. Press **LOCKOUT**.



2. Find the locked out frequency by pressing ▲ or ▼.
3. Unlock the frequency by pressing **LOCKOUT**.

Unlocking ALL Frequencies

If you have locked out many frequencies and want to unlock them all, or if you have forgotten which ones you locked out, you can unlock all frequencies at the same time.

1. Stop search by pressing **HOLD**.
2. Press and hold **LOCKOUT** to unlock all locked frequencies. You will hear two beeps to confirm that unlocking is done.

ADDITIONAL FEATURES

LCD Backlight

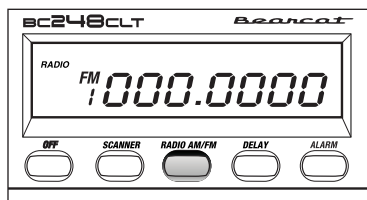
The LCD Backlight comes on when the power is applied. In Scan Mode and Manual Mode, the backlight stays on bright continuously. In the other modes, the backlight stays bright for ten seconds and then switches to dim. Press any key and the display switches back to bright for ten seconds.

Programming Radio AM/FM Frequencies

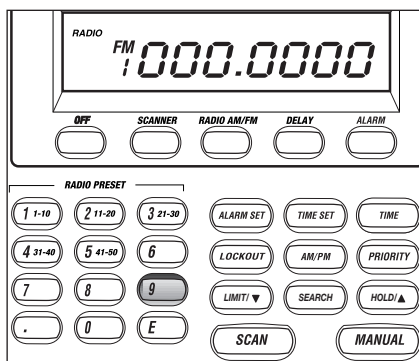
Before you can use the Radio Mode, you must program the channels with your favourite radio stations. You can program up to 20 stations (10 AM/10 FM). Follow these steps:

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.



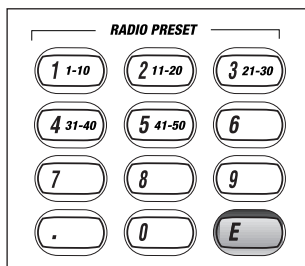
NOTE

Press 0 to select channel 10.

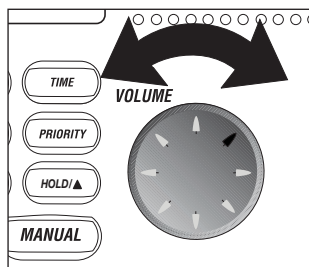
- Press ▼ or ▲ to set the desired frequency. The channel number flashes. Continue to press ▼ or ▲ to step through the frequencies in 100kHz steps. Or, press and hold ▼ or ▲ to step through the frequencies more quickly until 92.5000MHz appears in the display.



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



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



Continue to program your favourite 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. through 5. You will step through the frequencies in 10kHz steps.

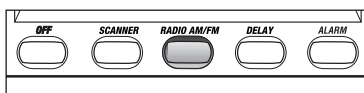
To change a programmed Radio Frequency, repeat the steps above using the new frequencies.

Deleting a Stored Radio Frequency

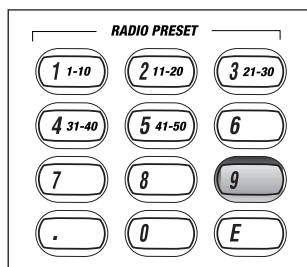
If you want to delete a stored frequency, follow these steps:

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 **87.5000**. In AM **000.0000** is between **1629** and **522**.)



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



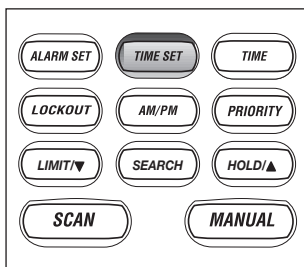
Direct Channel Access for Radio Stations

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. After the scanner has been turned on, to reset the clock time simply press and hold the **TIME SET** key. The display digits flash.

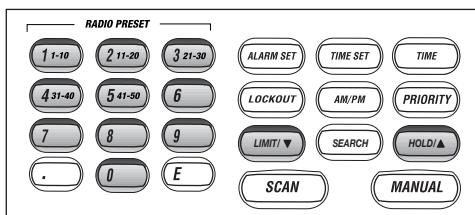


2. Enter the time directly by pressing the numeric keys.

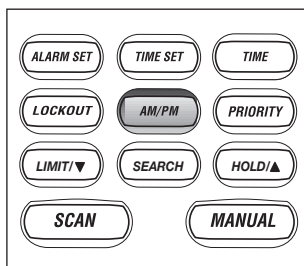
OR

Enter the time by pressing the

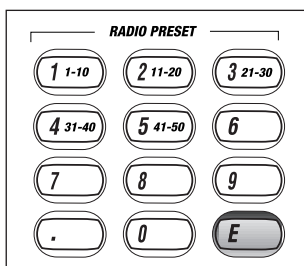
▼ or ▲ keys.



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



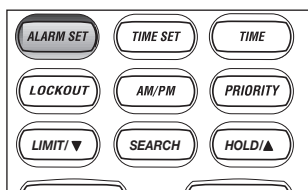
4. Press **E** to complete the entry. The display stops flashing.



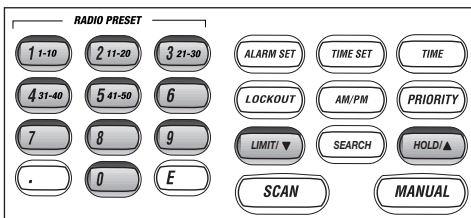
Set the Alarm Time

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

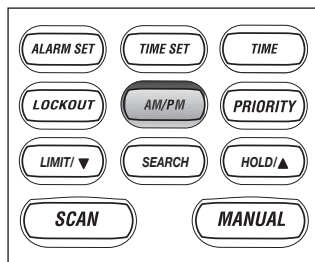
1. After the clock time has been entered, press and hold **ALARM SET** until the time indicated and **ALARM** indicator flashes in the display.



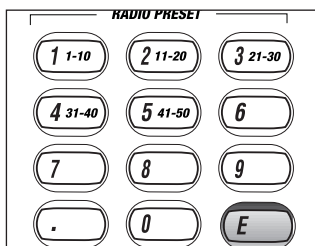
2. Enter the alarm time directly by pressing the numeric keys.
OR
Enter the time by pressing the ▼ or ▲ keys.



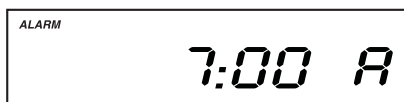
3. Press **AM/PM** to select the desired setting, either a.m. or p.m.



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



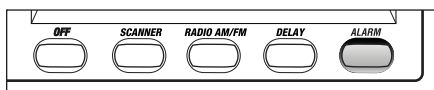
5. **ALARM** indicator and time stop flashing, but remain on.



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

Set Alarm to Tone Mode

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



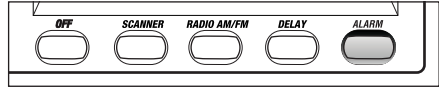
When the alarm goes off, it will sound as a series of beeps gradually growing louder. The alarm will continue for approximately 15 minutes, if no action is taken.

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. Also 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.



NOTE

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.

NOTE

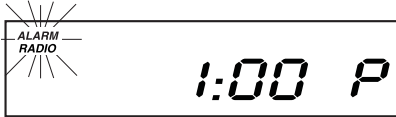
If you find the Tone Alarm too loud, select the Radio Mode instead. The volume is adjustable.

Set Alarm to Radio Mode

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

The scanner must be turned off (Clock Mode), 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.

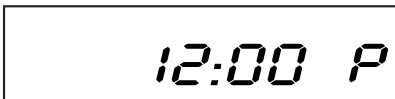
When the alarm goes off, it will play the radio station that was previously selected. The alarm will continue for approximately 15 minutes, if no action is taken.

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.
- 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.

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 Division.

TROUBLESHOOTING

If your UBC248CLT is not performing properly, try the following steps.

Problem	Solution
<ul style="list-style-type: none">■ Scanner won't power up.	<ul style="list-style-type: none">■ Check the connections at both ends of the AC Adaptor.■ Turn on the wall switch of your room. You could be using an outlet controlled by the wall switch.■ Move the AC Adaptor to another wall outlet.
<ul style="list-style-type: none">■ Poor reception.	<ul style="list-style-type: none">■ 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.
<ul style="list-style-type: none">■ Scan won't start.	<ul style="list-style-type: none">■ Press the SCAN key again.■ Adjust the Squelch control.■ Check to see if 50 channels are locked out. If so, unlock the channels as needed.

Problem	Solution
<ul style="list-style-type: none">■ Scan won't stop.	<ul style="list-style-type: none">■ 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.

TECHNICAL SPECIFICATIONS

Band Coverage:	8 bands plus and AM/FM Radio
Frequency Coverage: Scanner	66-88 MHz VHF Low Band <i>12.5 KHz step</i> 137-144 MHz Land Mobile 144-148 MHz 2 Meter Amateur Band <i>Above bands in 5 kHz steps</i> 148-174 MHz VHF High Band 406-420 MHz Federal Government 420-450 MHz 70cm Amateur Band 450-470 MHz UHF Standard Band 470-512 MHz UHF" T" Band <i>Above bands in 12.5kHz steps</i>
Radio	520 to 1629 KHz (AM Radio Band) <i>9 KHz step</i> 87.5 to 108 MHz (FM Radio Band) <i>100 KHz step</i>
Sensitivity (nominal)	0.3 μ V 66-88 MHz
12dB SINAD:	0.4 μ V 137-174 MHz 0.6 μ U 406-512 MHz
Channels:	50
Scan Rate:	Up to 12 channels per second
Audio Output (nominal):	0.75 W to 0.85 W 10%THD
Power Requirements:	240V AC (\pm 10%) 50Hz
Antenna:	Telescoping (included), AM Radio Loop Antenna
External Jacks:	Antenna jack AM Radio Antenna Jack External speaker AC 10V power jack AC Adaptor (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:	620gm

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

ONE-YEAR LIMITED WARRANTY

Uniden UBC248CLT

Note: Please keep your sales docket as it provides evidence of warranty.

WARRANTOR: Uniden Australia Pty. Limited ACN 001 865 498
Uniden New Zealand Limited

ELEMENT OF WARRANTY: Uniden warrants to the original retail owner for the duration of this warranty, its UBC248CLT Scanner (herein after referred to as the 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, shall terminate and be of no further effect ONE (1) Year after the date of original retail sale. This warranty will be deemed invalid if the product is; (A) Damaged or not maintained as reasonable and necessary, (B) Modified, altered or used as part of any conversion kits, subassemblies, or any configurations not sold by Uniden, (C) Improperly installed, (D) Repaired by someone other than an authorised Uniden Repair Agent for a defect or malfunction covered by this warranty, (E) Used in conjunction with any equipment or parts or as part of a system not manufactured by Uniden, (F) Installed, programmed or serviced by anyone other than an authorised Uniden Repair Agent, (G) Where the Serial Number label of the product has been removed or damaged beyond recognition.

PARTS COVERED: This warranty covers for One year, the UBC248CLT Scanner unit only. Antennas and AC Adaptor are covered for 90 days.

STATEMENT OF REMEDY: In the event that the product does not conform to this warranty at any time while this warranty is in effect, the warrantor at its discretion, will repair the defect or replace the product and return it to you without charge for parts or service. THIS WARRANTY DOES NOT COVER OR PROVIDE FOR THE REIMBURSEMENT OR PAYMENT OF INCIDENTAL OR CONSEQUENTIAL DAMAGES. THIS GUARANTEE IS IN ADDITION TO AND DOES NOT IN ANYWAY AFFECT YOUR RIGHTS UNDER THE CONSUMER GUARANTEE ACT.

WARRANTY CARD: If a warranty card has been included with this product then please fill it in and return to us within 14 days of purchase. Your name and the Serial number of the product will then be registered in our database and this will help us process your claim with greater speed and efficiency should you require warranty service.

PROCEDURE FOR OBTAINING PERFORMANCE OR WARRANTY: In the event that the product does not conform to this warranty, the Product should be shipped or delivered, freight pre-paid, with evidence of original purchase (eg. a copy of the sales docket), to the warrantor at:

UNIDEN AUSTRALIA PTY LIMITED
SERVICE DIVISION
345 Princes Highway,
Rockdale NSW 2216
Ph (02) 9599 3577 Fx (02) 9599 3278

UNIDEN NEW ZEALAND LIMITED
SERVICE DIVISION
150 Harris Road,
East Tamaki, Auckland
Ph (9) 273 8383 Fx (9) 274 4253

Customers in other States should ship or deliver the Product freight pre-paid to their nearest Uniden Authorised Repair Centre (Contact Uniden for the nearest Warranty Agent to you)



THANK YOU

FOR PURCHASING THIS UNIDEN PRODUCT!

Uniden®

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