

Uniden®

UBC370CLT Owner's Manual



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PRECAUTIONS

Before you use this scanner, please read and observe the following.

IMPORTANT!

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 Operating Guide, could void your authority to operate this product.

EARPHONE WARNING!

You can use an optional 32 Ω stereo headset or earphone with this scanner. Use of an incorrect earphone or stereo headset might be potentially hazardous to your hearing. The output of the phone jack is monaural, but you will hear it in both headphones of a stereo headset.

Set the speaker volume to a comfortable level before plugging in either a monaural earphone or a stereo headset of the proper impedance (32 Ω). Otherwise, you might experience some discomfort or possible hearing damage if the volume suddenly becomes too loud because of the volume control or squelch control setting. This is particularly true for the type of earphone that is placed in the ear canal.

WARNING: 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.

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Other trademarks used throughout this manual are the property of their respective holders.

Important: If you use the supplied AC adapter to power the scanner but have not installed batteries in the scanner, never turn the scanner off by disconnecting the AC adapter or unplugging it from the AC outlet. This might corrupt the scanner's memory. Always use **POWER** to turn the scanner off before disconnecting AC power.





CONTENTS

PRECAUTIONS	2
IMPORTANT!	2
EARPHONE WARNING!.....	2
WHAT'S IN THE BOX	5
INTRODUCTION	6
Band Ranges.....	6
Features.....	6
CONTROLS.....	9
Controls.....	9
Display.....	13
SETTING UP THE SCANNER	15
Connecting Power	15
Connecting an Antenna.....	16
Using the Backlight.....	16
USING THE CLOCK.....	17
Setting the Current Time.....	17
Setting the Alarm Time.....	17
Using Snooze	18
Listening to FM Channels.....	18
Directly Selecting a Channel	18
Using FM Channel Memory.....	18
Setting up Sleep Mode	19
Using the Scanner Memories.....	19
Programming Memories	19
Program Channel Name	20
Setting CTCSS/DCS	21
Selecting a Channel	21
Scanning Memory Banks	21
Receiving CTCSS/DCS	21
Locking/Unlocking CHANNELS.....	21
Using Priority Scan.....	21
Setting Channel Delay	22
SEARCHING FOR ACTIVE FREQUENCIES.....	22
Using Limit Search	22
Programming the Limit Search Range Upper/Lower Limits	22
Searching the Selected Range	22
Holding on a Frequency within the Limit Search Range.....	23
Select Frequency Step	23



Saving a Found Frequency into a Channel	23
Search Lockouts.....	23
To unlock all frequencies.....	23
Listening to Service Channels.....	23
Using Service Search	23
Selecting a Service to Search.....	23
CARE AND MAINTENANCE	24
General use	24
Location.....	24
Cleaning.....	24
Repairs.....	25
Birdies.....	25
Resetting the Scanner (Clearing all Memories)	25
TECHNICAL SPECIFICATIONS	25
DECLARATION OF CONFORMITY	27

WHAT'S IN THE BOX

Please unpack the box carefully and make sure you have:



UBC370CLT Scanner



Telescoping Antenna



AC Adapter

Not Shown:

- This Owner's Manual

If any item is missing or obviously damaged, contact your place of purchase or visit the Avera website at www.avera.eu to remedy the situation.

INTRODUCTION

Your UBC370CLT scanner is a multi-featured conventional channel scanner. You can easily enter and store frequencies for Emergency, Free Net, PMR, Marine, Aircraft, CB, HAM, and other radio services into 500 channels distributed over ten banks. Use your scanner to monitor:

- Analog public safety channels
- Business/Industrial radio and utilities
- Marine and amateur (ham radio) bands
- Aircraft (commercial and private) band
- Railroad
- FM Broadcast Stations

BAND RANGES

Frequency (MHz)		Mode	Step (kHz)
Lower	Upper		
25.0000	29.9950	FM	5
30.0000	79.9875	FM	12.5
80.0000	82.9900	FM	10
83.0000	87.2875	FM	12.5
87.3000	107.9000	WFM	100
108.0000	136.9916	AM	8.33
137.0000	137.9950	FM	5
138.0000	157.9875	FM	12.5
158.0000	160.5900	FM	10
160.6000	162.5875	FM	12.5
162.6000	173.9900	FM	10
406.0000	439.9937	FM	6.25
440.0000	465.9950	FM	5
466.0000	469.9900	FM	10
470.0000	512.0000	FM	6.25
806.0000	960.0000	FM	12.5

Features

Channel Memory Scanning — Scans frequencies you have stored in any of the channels or banks at a rate of up to 90 channels per second.

Memory Availability — Store and scan any of up to 500 channels distributed over 10 banks.

Channel Name — You can store a channel name for easier channel frequency identification.



CTCSS/DCS - You can search and display any CTCSS or DCS tone.

USB PC Programming - Lets you program your scanner using your PC.

Direct Channel Access — Press **0-9** and **HOLD** to directly access any stored frequency.

Channel Lockout— Skip over stored frequencies (channels) using the Lockout feature to enable faster scanning.

Alarm Clock with Snooze — provides standard radio broadcasts that you can set as your alarm sound.

FM Broadcast — lets you store and search up to 30 preset FM broadcast channels for quick access.

Priority Channel — Designate a specific frequency as a Priority Channel. Then the radio scans and checks that channel every 2 seconds. Select and designate up to 10 frequencies as Priority Channels (one per bank).

Priority DND — Indicates that no priority checks will be made while receiving a transmission.

Duplicate Channel Alert — Lets you know that a selected frequency has already been programmed into memory if you attempt to store it again.

Limit Frequency Searching — Lets you designate lower and upper frequency range and search within that range for active frequencies. You can then store frequencies in memory as channels for later recall.

Skip Frequency — Skips non-favorite frequencies during Service Search and Limit Search. Up to 50 frequencies can be designated as skip frequencies.

Service Search — Lets you designate one of the seven preprogrammed service channels (Emergency, Free Net, PMR, Marine, Aircraft, CB, HAM) to search.

Scan and Search Speed

- Scan Speed. 100 channels per second maximum in Scan mode.
- Search Speed. 100 steps per second maximum in Search mode.
- Turbo mode. For frequency steps 5kHz apart, searching occurs in Turbo mode which is 300 steps per second.

Clock Display — the scanner, in standby mode, displays the time. The clock also features an alarm that can sound up to 20 minutes or be shut off manually. A convenient snooze button lets you silence the alarm for an extra 5-minutes.

Delay — you can enable or disable the 2-second delay to resume scanning when a transmission ends. Enabling this feature helps prevent missing a response from one of the parties in the transmission.

LCD Backlight — you can enable or disable the LCD back lighted display.

Key Touch Tone — a tone sounds to confirm you have made a valid key input while a different tone sounds to alert you to an invalid entry.





EEPROM Memory Backup — the scanner uses a non-volatile EEPROM for memory backup.

Battery Alert — A battery icon alerts you to a no battery installed condition, and a battery low voltage condition. An alert tone sounds when the battery needs to be replaced. The backup provides backup for the clock when power is off and will power scanning for a short time.

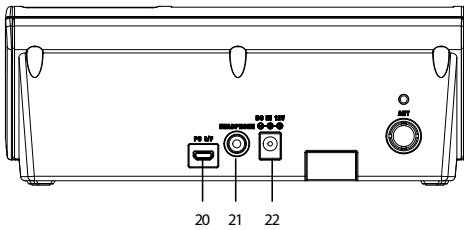
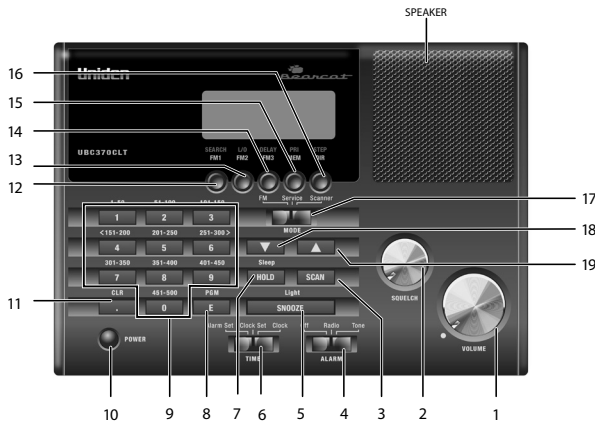
Auto Power Off — turns the scanner off when the battery power gets too low.

Sleep Mode - Automatically turns the scanner off after a preset time period.



CONTROLS

CONTROLS



Number	Key/Knob	What it does
1	VOLUME	Increases and decreases volume.
2	SQUELCH	Lets you set the signal level required to receive a transmission. Counter-clockwise = Open. If you open the squelch all the way, you will hear hissing between transmissions. This lets you hear weak signals, but prevents scanning. Clockwise = Close. As you close squelch, a stronger signal is required to stop scanning and open audio. You normally set the control to a point just where hissing on all channels stops between transmissions.
3	SCAN	Press to begin scanning the channels or to resume scanning.

Number	Key/Knob	What it does
4	Alarm slide switch	Set to Off to disable alarm; Set to Radio to enable the radio alarm; Set to Tone to enable the tone alarm
5	SNOOZE/ Light	Snooze: Press while the alarm sounds to silence the alarm for 5 minutes. Light: Tap to turn on the backlight for 15 seconds. Press and hold to turn the LCD backlight on permanently. Press and hold again to turn off the backlight.
6	Time slide switch	Use to select your desired operation: Alarm Set; Clock Set; Clock.
7	HOLD/Sleep	HOLD: press to temporarily stop scanning, limit searching, or service searching and remain on the channel. The scanner displays the channel on hold. Press again to resume searching or scanning. Sleep: Press and hold to set how long the unit will remain on before it turns itself off.
8	E/PGM	Program mode: Press to enter the Program mode. Then: Enter the desired frequency using the numeric keys. Press E/PGM to store that frequency into the memory. In Scan Program mode, Press E/PGM after entering the name and CTCSS/DCS into channel memory. In Limit Search mode, Press E/PGM after entering the frequency to program the upper and lower frequency limits.
9	0 to 9	<ul style="list-style-type: none"> - Press a numeric key to enter a frequency. - Press a numeric key to change a channel (Direct Channel Access feature) - Press a numeric key to enable or disable a channel banks. These channel banks display across the top of the LCD. - Press 4 key to move cursor to left in channel name input mode. - Press 6 key to move cursor to right in channel name input mode.
10	Power	Press to turn power on and off. The time displays when power is off (Standby mode).
11	./Clr	<ul style="list-style-type: none"> - Press to input a decimal point when you enter a frequency. - Press to cancel a numeric key input (0 to 9) - Press to clear an error display. - Press to cancel the character code input of the channel name and CTCSS/DCS by arrow key.

Number	Key/Knob	What it does
12	SEARCH/FM1	<p>In Scanner mode: Press to start a Limit Search or to resume searching.</p> <p>In FM mode, press to select the FM1 memory bank.</p> <ul style="list-style-type: none"> - Press to select and cancel the name input in Scan Program mode. - Press to select 24/12H display in Clock Set and Alarm Set mode.
13	L/O FM2	<p>In Scanner mode:</p> <ul style="list-style-type: none"> - Press to lock or unlock a channel memory in SCAN (HOLD) or PROGRAM mode. - Press to set or clear the frequencies in the skip Frequency list in the Limit Search (HOLD) and Service Search (HOLD) modes. <p>In FM mode, press to select the FM2 memory bank.</p> <p>Press and hold to unlock all registered channels or frequencies in the following modes:</p> <ul style="list-style-type: none"> - Scan Hold (unlock all registered channels in the selected bank) - Program - Service Search Hold - Limit Search Hold - Press to select and cancel the CTCSS/DCS in Scan Program mode. - Press to increment the band of the frequency band.
14	DELAY/FM3	<ul style="list-style-type: none"> - In Scanner mode, press to turn the delay option on/off. - In FM mode, press to select the FM3 memory bank.
15	PRI/MEM	<ul style="list-style-type: none"> - In Scanner mode, press to set a Priority channel for Scan Hold mode and Program mode. - In Program mode, press to set the Priority channel setting. In SCAN and SCAN HOLD, press to set Priority Scan on or off. - In FM mode, press to select Memory mode to allow quick channel recall using the 0-9 keys.
16	STEP/DIR	<ul style="list-style-type: none"> - In Scanner mode, press to change the frequency step of each band. - In FM mode, press to change to Direct Entry mode to allow channel frequency selection using the up / down arrows or 0-9 keys.
17	MODE Switch	Use to select the desired mode: FM ; Service ; or Scanner . (Slide switch must be set to Clock)

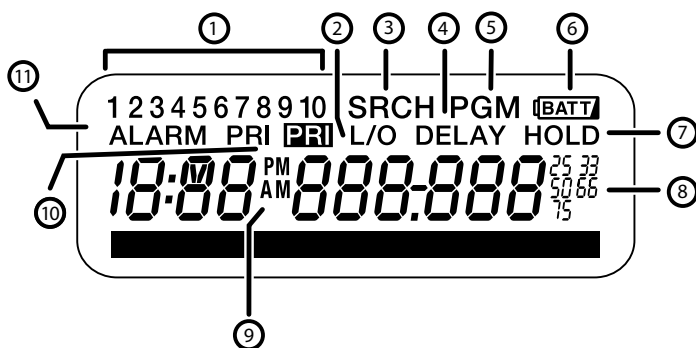


Number	Key/Knob	What it does
18	▼	<p>Press once to:</p> <ul style="list-style-type: none">- Decrease one channel in these modes:<ul style="list-style-type: none">• Scan Hold• Service Search Hold• Program Hold- Decrease one frequency in Limit Search Hold mode and Direct entry in Radio mode.- Decrease time in Time Setting and Sleep mode. <p>Press and hold to:</p> <ul style="list-style-type: none">- Rapidly decrease channels in these modes:<ul style="list-style-type: none">• Scan Hold• Service Search Hold• Program Hold- Rapidly decrease frequencies in Limit Search Hold mode and Direct entry in Radio mode.- Rapidly decrease time in Time Setting and Sleep mode.- Decrement a character code and CTCSS/DCS continuously in Scan Program mode.
19	▲	<p>Press once to:</p> <ul style="list-style-type: none">- Increase one channel in these modes:<ul style="list-style-type: none">• Scan Hold• Service Search Hold• Program Hold- Increase one frequency in Limit Search Hold mode and Direct entry in Radio mode.- Increase time in Time Setting and Sleep mode. <p>Press and hold to:</p> <ul style="list-style-type: none">- Rapidly increase channels in these modes:<ul style="list-style-type: none">• Scan Hold• Service Search Hold• Program Hold- Rapidly increase frequencies in Limit Search Hold mode and Direct entry in Radio mode.- Rapidly increase time in Time Setting and Sleep mode.- Increment a character code and CTCSS/DCS continuously in Scan Program mode.
20	Micro USB	Update firmware through this data (PC) connection and PC programming.



Number	Key/Knob	What it does
21	HEADPHONE jack	Connects a headphone for privacy or an external speaker. <i>If you connect an external speaker to the scanner's headphone jack, never connect the audio output line to a power supply and ground. This might damage the scanner.</i>
22	Power jack	DC IN power input jack

DISPLAY



Number	Display	What it means
1	1 to 10	Scan mode: indicates Channel memory Bank FM mode: indicates a radio station
2	L/O	Indicates a Locked Out channel or to skip a frequency while searching
3	SRCH	Displays in Limit Search and Service Search modes Radio mode: Indicates Direct Entry mode
4	DELAY	Indicates a 2 second set delay for a channel before scanning resumes
5	PGM	Indicates Program mode
6	Battery	Solid: Battery power is full Flashes when the battery power is low. Non-flashing: no battery installed
7	HOLD	Indicates a hold in Scan, Search, and Direct Entry mode
8	25, 33, 50, 66, 75	One of these numbers displays to indicate the frequency step. For example, "25" indicates 0.25kHz.

Number	Display	What it means
9	AM/PM P M	Indicates AM/PM and appears in Clock mode The letter "P" indicates a Priority channel in Scan mode. The letter "M" indicates the Minute setting in Sleep Time Set mode.
10	PRI PRI	Indicates that the Priority channel scan is active. Reversed indicates that Priority channel DND is active.
11	ALARM	Indicates the alarm is enabled. Flashes when alarm sounds or if Snooze is selected

Notes:

The backlight turns off automatically after 15 seconds from the last key stroke (if not permanently turned on).

The scanner sounds special tones as follows:

- to confirm key entry.
- to indicate an error in key entry.
- to indicate low battery voltage.



SETTING UP THE SCANNER

These guidelines will help you install and use your new scanner:

- If your scanner receives interference or electrical noise, move the scanner or its antenna away from the source. You might also try changing the height or angle of the antennas.
- Use an optional mono earphone or mono headset with proper impedance for private listening.
- Do not use the scanner in high-moisture environments such as in the kitchen or bathroom.
- Avoid placing the scanner in direct sunlight or near heating elements or vents.

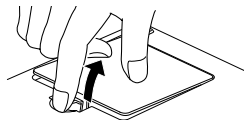
CONNECTING POWER

1. Insert the supplied AC Adapter's barrel plug into the power jack on the back of the scanner. Then plug the Adapter into a standard household outlet that supplies 230V AC, 50Hz. The scanner goes into Power Off mode and the clock displays.

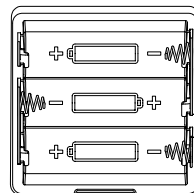
⚠ **Do not plug the adapter into a switch controlled outlet.**

2. Open the battery compartment and insert 3 AA batteries.

Be sure to note the polarity markings in the battery compartment. You can use either alkaline or rechargeable batteries, but the scanner will not recharge batteries in the compartment.



- Use only fresh alkaline AA batteries. Rechargeable batteries can be used, but battery life is shorter than with alkaline batteries.
- Always remove old or weak batteries. Batteries can leak chemicals that destroy electronic circuits.
- Do not mix old and new batteries, different types of batteries (standard, alkaline, or rechargeable) or rechargeable batteries of different capacities.



⚠ **Batteries are intended to provide backup power for the clock and for scanning for a short time. When the backup batteries becomes too low, **BATT** appears. Promptly replace the batteries.**

3. When you either install batteries or connect the AC Adapter to a standard wall outlet, the scanner powers on and goes to **STANDBY** mode. The display shows the initial clock time of 0:00. The scanner remains in **STANDBY** mode.



CONNECTING AN ANTENNA

The scanner uses an external telescopic antenna to receive all signals. Connect the supplied rod antenna by pushing the antenna's connector onto the antenna jack on the back of the scanner and twisting it to the desired angle.

You can also use an external antenna (not supplied) to help to bring in weaker signals.

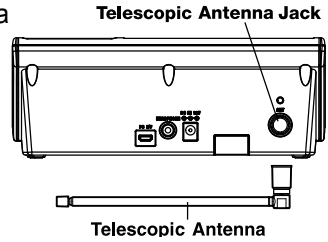
Use RG58, 50-Ohm lead with a BNC connector

to connect the antenna to the scanner. Connect and mount the antenna according to the instructions provided with the antenna.

CAUTION: Be sure to follow all safety warnings provided with the antenna. Failure to do so could expose you to risk of injury or death and could severely damage the scanner.

USING THE BACKLIGHT

To turn on the backlight for 15 seconds, tap **SNOOZE/Light**. To turn on the backlight permanently, press and hold **SNOOZE/Light** for over 2 seconds. To turn off the backlight, press and hold **SNOOZE/Light** again.





USING THE CLOCK

Your scanner's clock displays whenever you turn off the radio functions. It can also be used as a standard alarm clock.

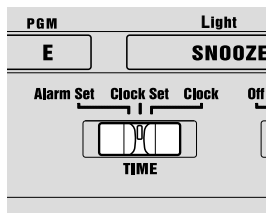
SETTING THE CURRENT TIME

Follow the steps to set the current time:

Notes:

Press **SEARCH/FM1** at any step to select 24H or 12H time display.

1. Move the slide switch to **Clock Set**. The hour digits flash.
2. Press **▲** or **▼** to change the hour by one hour increments or press the number keys to select the present hour. Then press **E/PGM** to set the hour. The minutes digits flash.
3. Press **▲** or **▼** to change the minute setting by one minute or press the appropriate number keys to enter the minutes. The seconds reset to 00. Press **E/PGM** to set the minutes. AM/PM flashes when 12H time display is selected.
4. Press **▲** or **▼** to move from AM to PM and back. Make your selection, and then move the slide switch to **Clock**. The scanner exits the clock setting mode.



⊗ **Seconds resets to zero (0) when you reset the time.**

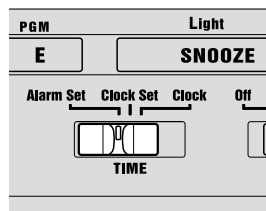
SETTING THE ALARM TIME

Follow these steps to set the alarm time:

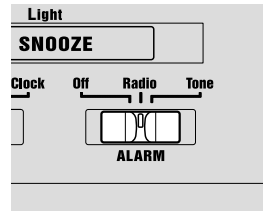
Notes:

Press **SEARCH/FM1** at any step to select 24H or 12H time display.

1. Move the slide switch to **Alarm Set**. The hours digits flash.
2. Press **▲** or **▼** to change the hour by one hour increments or press the number keys to select the present hour. Then press **E/PGM** to set the hour. The minutes digits flash.
3. Press **▲** or **▼** to change the minute setting by one minute or press the appropriate number keys to enter the minutes. Press **E/PGM** to set the minutes. AM/PM flashes when 12H time display is selected.
4. Press **▲** or **▼** to move from AM to PM and back. Press **E/PGM** to make your selection. To lock in the alarm time, move the slide switch to **Clock**.

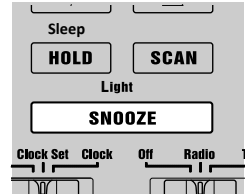


To have the UBC370CLT alert you at the preset time, slide **Off/Radio/Tone** to either **Radio** or **Tone**. If you set the selector to **Radio**, the alarm will sound with the selected audio source (FM, Service, or Scanner). If you set the selector to **Tone**, the scanner will sound a tone at the preset time. To silence the alarm, slide **Off/Radio/Tone** to **Off**. If you do not turn off the alarm, it will sound for 20 minutes, then reset to alert you again the following day.



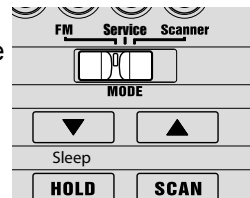
USING SNOOZE

When the alarm sounds, press the snooze bar to silence the alarm for 5 minutes.



LISTENING TO FM CHANNELS

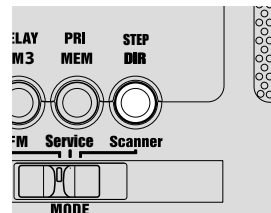
To listen to FM channels, slide the mode selector to **FM** when power is on. Press the button at the top of the scanner to select the desired source (FM1, FM2, or FM3). Radio stations are programmed into 30 channels for FM1, FM2, and FM3.



DIRECTLY SELECTING A CHANNEL

Press **STEP/DIR** to select the direct entry mode. Use the **▲/▼** buttons to step through the selected band. The scanner stops on active channels.

You can also enter the channel frequency using the keypad. Enter the channel frequency and press **E**.

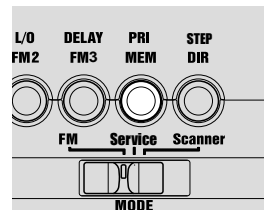


USING FM CHANNEL MEMORY

Your scanner has 30 FM channels for quick channel recall (FM1/FM2/FM3).

To store a channel into memory:

1. Select the band (FM1, FM2, or FM3).
2. Directly select the channel you want to store (see above).
3. While listening to the channel, press and hold the number button that corresponds to the channel you want to save the channel into for 2 seconds. The scanner switches to the Memory mode for the current band.





To quickly recall a channel:

1. Select the band (FM1, FM2, or FM3).
2. Select the channel memory mode by pressing **PR/MEM**.
3. Tap the number button that corresponds to the channel where the frequency is stored.

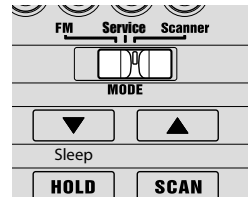
SETTING UP SLEEP MODE

You can set the amount of time the scanner will remain on. For example, if you are going to bed and you want to listen to the radio for a while, you can set the scanner to turn itself off after 20 minutes.

1. With the scanner power turned on, press and hold **HOLD/Sleep**. The number of minutes currently set for Sleep mode displays.
2. Use **▲/▼** to scroll up or down to select (or use the keypad to directly enter) the minutes the scanner will stay on (1 - 99, or OFF to turn off Sleep mode). Press **E/PGM** to select that number.
3. The screen return to the previous display.

USING THE SCANNER MEMORIES

Your scanner has 500 channels that you can save frequencies into for scanning. The channels are arranged in 10 banks of 50 memories each. While scanning, you can quickly select which bank to scan by pressing the number button that corresponds to the bank you want to turn on or off for scanning. To select the scanner mode, slide the mode switch to **Scanner**.



PROGRAMMING MEMORIES

You will first need to determine the frequencies you want to save.

Make a list of the frequencies you want to program, then organize them in groups. The following table is an example of one way to organize and keep track of your frequencies. The numbers in the left-hand columns correspond to your scanner's channel numbers. Only the first 10 channels of the first three banks are shown here.





BANK 1		BANK 2		BANK 3	
1		51		101	
2		52		102	
3		53		103	
4		54		104	
5		55		105	
6		56		106	
7		57		107	
8		58		108	
9		59		109	
10		60		110	

Follow these steps to enter or change a frequency in a memory:

1. Press **E/PGM** to enter the Program mode (the scanner turns on the PGM icon).
2. If the current channel is not the one you want to program, enter the channel number then press **HOLD**.
3. Enter the frequency, including the decimal point, and then press **E/PGM**.
4. To program the next channel, press **▲** or **▼** and repeat step 3. To program a different channel, repeat from step 2.
5. To exit Program mode, press **HOLD** or **SCAN** or change the scanner's mode.

Notes:

- Any frequency you program replaces the previous channel contents.
- If you enter a frequency you have already stored in a different channel in Step 3, the scanner beeps and displays the channel where you have previously stored the frequency. If you want to store the frequency anyway, press **E/PGM** a second time in Step 3.
- To clear the contents of a channel, enter 0 in Step 3.
- Channels you program are automatically unlocked (see "Locking/Unlocking Channels) and have Delay turned on (See "Setting Channel Delay").

PROGRAM CHANNEL NAME

1. Press **E/PGM** to enter the Program mode (the scanner turns on the PGM icon).
2. Press **SEARCH/FM1** to enter NAME input mode.
3. Press **▲** or **▼** to select characters. Press 4 to move cursor to the left, and 6 to move cursor to the right.
4. Press **E/PGM** to store in the channel memory. Press **./CLR** or **SEARCH/FM1** key to cancel store. Stored name is displayed in HOLD mode or in receiving in SCAN mode.





SETTING CTCSS/DCS

1. Press **E/PGM** to enter the Program mode (the scanner turns on the PGM icon).
2. Press **L/O/FM2** to enter CTCSS/DCS select mode.
3. Press **▲** or **▼** to select from 50 CTCSS, 104 DCS code or Any.
4. Press **E/PGM** to store in the channel memory. Press **/CLR** or **SEARCH/FM1** key to cancel store. Stored CTCSS/DCS is displayed in HOLD mode or in receiving in SCAN mode.

SELECTING A CHANNEL

To select a single channel to monitor, press **HOLD**. The scanner turns on the HOLD icon. Then, select a channel by pressing **▲** or **▼** to go to the channel or input the channel number then press **HOLD**.

SCANNING MEMORY BANKS

To scan the channels you have programmed, press **SCAN**. The scanner scans all unlocked programmed channels in enabled memory banks, stopping on a channel when it detects a transmission. To turn on/off channel banks while scanning, press the number button that corresponds to the channel bank you want to enable or disable.

RECEIVING CTCSS/DCS

In Scan mode, if CTCSS and DCS are set to any, and CTCSS or DCS is received, CTCSS frequency or DCS code will blink.

If CTCSS and DCS are set to desire code, and CTCSS or DCS is received, CTCSS frequency or DCS code will display.

In Limit Search mode, and Service Search mode, if CTCSS or DCS is received, CTCSS frequency or DCS code will blink.

LOCKING/UNLOCKING CHANNELS

You can lock channel so that they are not scanned, even if their bank is turned on. Simply press **L/O** when the scanner stops on a transmission on the frequency or manually select the channel, then press **L/O**. The L/O icon displays when it is set to a locked out channel.

To unlock a channel, manually select the channel then press **L/O**. The scanner turns off the L/O icon and includes the channel when scanning its bank.

To unlock all channels related to a specific bank in Scan mode, press and hold **L/O** for 2 seconds. The scanner beeps twice and the L/O icon disappears.

USING PRIORITY SCAN

You can set one channel in each bank as a priority channel. If you turn on the Priority feature, the scanner will check the priority channel in enabled banks every 2 seconds, even if it has stopped on a transmission on another channel.

To set the channel in a bank to be the priority channel, manually select the channel; then, while holding on the memory, press **E/PGM** to put the scanner





in Program mode and press **PRI**. The scanner turns on the P icon when it is stopped on a channel designated as priority.

To switch between Priority Scan/Priority DND/Off, press **PRI** while the scanner is scanning or holding on a channel (but not in Program mode). You will notice a short break in audio every 2 seconds as the scanner checks the enabled priority channel. If there is a transmission on a priority channel, the scanner will immediately tune to that channel. If Priority DND is set, the scanner does not check Priority channels during receiving.

SETTING CHANNEL DELAY

You can set the scanner to pause for 2 seconds at the end of a transmission on a channel. This is useful to help prevent missed replies. Delay is turned on by default when you program a channel. To turn Delay off (or back on), select the channel and then press **DELAY**. The scanner turns on the DELAY icon for channel that have been programmed with Delay.

SEARCHING FOR ACTIVE FREQUENCIES

Many people enjoy searching for the unknown frequencies that are in use in their area but are not posted to any site or in any publication. The UBC370CLT has two ways to search:

- Limit Searching. Searches between two designated frequencies, creating upper and lower limits.
- Service Searching. Searches for specific types of service frequencies active in your area.

USING LIMIT SEARCH

There are three Limit Search modes:

- Program Search Range. This mode allows you to set the upper and lower limits of your search range.
- Limit Search. This mode will search for active frequencies within the upper and lower limits designated. It will stop when it locates a frequency.
- Limit Search Hold. During Limit Search mode, press **HOLD/Sleep** to stop searching with the search range regardless of whether you have found transmission. Press **HOLD/Sleep** or **SEARCH/FM1** to resume searching.

Programming the Limit Search Range Upper/Lower Limits

1. Press **SEARCH** then **HOLD**. The scanner holds on the current search frequency.
2. Enter one of the range limits, then press **E/PGM**.
3. Press **▲** or **▼** then enter the other range limit, and press **E/PGM**.

Searching the Selected Range

After entering the limits (or use the default limits), press **SEARCH**. The scanner starts searching from the lower range up to the higher range. To change the direction of the search, press **▲** or **▼**.





Holding on a Frequency within the Limit Search Range

1. In Limit Search mode, press **HOLD/Sleep**. The scanner holds on the current frequency regardless of its transmission state.
2. Press **▲** or **▼** to change the direction of the search if desired.
3. Press **HOLD/Sleep** again or **SEARCH/FM1** to resume searching.

SELECT FREQUENCY STEP

Press **STEP/DIR** key to change the frequency step of each band in Scan mode and Limit Search mode.

Step: 5 / 6.25 / 7.5 / 8.33 / 10 / 12.5 / 15 / 20 / 25 / 50 / 100 (kHz)

SAVING A FOUND FREQUENCY INTO A CHANNEL

1. When the scanner stops on the frequency you want to save, press **HOLD** to hold on that frequency.
2. Press **E/PGM**. The scanner displays the lowest-numbered empty channel (or channel number 1 if all channels are used).
3. Use **▲/▼** to select the channel to store the frequency, then press **E/PGM** to store the frequency into that channel.

SEARCH LOCKOUTS

If the scanner stops on a frequency that you don't want to hear, you can lock it out. When locked out, the scanner won't stop on the frequency in either Limit Search or Service Search.

Press **L/O** when the scanner stops on the frequency to lock it out. **L/O** displays.

To unlock the frequency:

1. Press **HOLD** during a Search.
2. Manually step to the frequency using the **▲/▼** keys.
3. When you have selected the locked out frequency, press **L/O** to unlock it.

TO UNLOCK ALL FREQUENCIES

1. Press **HOLD** during a Search.
2. Press and hold **L/O**.

LISTENING TO SERVICE CHANNELS

USING SERVICE SEARCH

You can select any of Emergency, Free Net, PMR, Marine, Aircraft, CB, and HAM channels for active frequencies in your area.

Selecting a Service to Search

The UBC370CLT searches seven preset service frequencies:

- Emergency
- Free Net
- PMR



- Marine
- Aircraft
- CB
- HAM

To access these service frequencies:

1. Move the Mode slide switch to **Service mode**.
2. Press 1-7 keys to access that Service mode:

KEY	SERVICE
1	Emergency
2	Free Net
3	PMR
4	Marine
5	Aircraft
6	CB
7	HAM

3. When the scanner stops on a transmission, you can force it to resume searching by pressing ▲ or ▼.

CARE AND MAINTENANCE

GENERAL USE

- Turn the scanner off before disconnecting the power.
- If memory is lost, reprogram each channel.
- Always press each button firmly until you hear the entry tone for that key entry.

LOCATION

- 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.
- If the scanner receives strong interference or electrical noise, move it or its antenna away from the source of the noise. If possible, a higher elevation might provide better reception.
- Also try changing the height or angle of the antenna.

CLEANING

- Disconnect the power to the unit before cleaning.
- Clean the outside of the scanner with a mild detergent.
- To prevent scratches, do not use abrasive cleaners or solvents. Be careful not to rub the LCD window.
- Do not use excessive amounts of water.

REPAIRS

Do not attempt any repair. The scanner contains no user serviceable parts. Contact info.avera.eu or take it to a qualified repair technician.

BIRDIES

All radios can receive “birdies” (undesired signals). If your scanner stops during Scan mode and no sound is heard, it might be receiving a birdie. Birdies are internally generated signals inherent in the electronics of the scanner. Press **L/O** to lock out the channel.

RESETTING THE SCANNER (CLEARING ALL MEMORIES)

To reset the scanner to factory defaults, disconnect power to the scanner and remove any batteries if they are installed.. Then, while holding down **2**, **9**, and **HOLD**, reconnect power to the scanner. **All scanner memory contents are erased and the band plan resets to default.**

TECHNICAL SPECIFICATIONS

Band Coverage : 16 Bands

Sensitivity (nominal) 12dB SINAD: VHF Low Band

(FM)	25.0050 MHz	0.3 μ V
(FM)	40.8400 MHz	0.3 μ V
(FM)	54.0500 MHz	0.3 μ V
(FM)	86.2750 MHz	0.3 μ V
(WFM)	107.9000 MHz	0.8 μ V

Aircraft Band

(AM)	118.8000 MHz	0.4 μ V
(AM)	127.1750 MHz	0.4 μ V
(AM)	135.5000 MHz	0.4 μ V

VHF High Band

(FM)	138.1500 MHz	0.3 μ V
(FM)	162.4000 MHz	0.3 μ V
(FM)	173.2250 MHz	0.3 μ V

UHF Band

(FM)	406.8750 MHz	0.3 μ V
(FM)	453.2500 MHz	0.3 μ V
(FM)	511.9125 MHz	0.3 μ V

Public Service Band


(FM)	806.0000 MHz	0.4 μ V
(FM)	857.2000 MHz	0.4 μ V
(FM)	954.9125 MHz	0.4 μ V

Channels : 500 (50 channels x 10 Banks)



Scan Rate : Up to 90 channels per second

Search Rate : Up to 90 steps per second (Up to 270 steps per second at 5 kHz step)

Time Accuracy : +/- 20 seconds per month at normal temperature (25°C \pm 5°C)



Audio Output(normal)	: 0.9W Max
Power Requirements	: 230V AC 50Hz : DC 12.0 V (EXT. power jack) : 3 x AA size Alkaline batteries , 4.5 DC (not included)
Antenna	: Telescoping (included)
External Jacks	: Antenna jack : Headphone Jack : DC 12V Power Jack : Micro USB
Accessories	: AC Adapter : Telescopic Antenna : Owner's Manual
Speaker (internal)	: 8 ohm, 2 watt
Operating Temp	: -10°C to +50°C
Storage Temp	: -20°C to +60 °C
Size (without antenna)	: 209.0(W) × 147.75(D) × 80.7(H) mm
Weight (without antenna, AC adaptor, and batteries)	: 600g



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

DECLARATION OF CONFORMITY

Hereby, Uniden Holdings Corporation declares that the radio equipment type Uniden Bearcat UBC370CLT is in compliance with the Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:

www.avera.eu/downloads

Sales and Service:

info@avera.eu

www.avera.eu

