



UBC 61XLT

Programmable
Hand-Held-
Scanner

OWNER'S MANUAL

Uniden

Printed in the Philippines

UBZZ01296FZ

UBC 61 XLT
Programmable Hand-Held Scanner

Introduction

What is Scanning?

The UBC61XLT scans programmed channels until it finds an active frequency.

Scanning stops on an active frequency and remains on that channel as long as the transmission continues. When the transmission ends, the scanning cycle resumes until another transmission is received.

What is Chain Searching?

You can program five different search bands. Simply select a chain search location, define the search range, and begin your search. You can set your scanner to search up to all five chain search bands at once, or you can turn off those search bands you don't want.

General Use

- Turn the scanner off before disconnecting the power or replacing the batteries.
- If memory is lost, simply reprogram each channel. The display shows 000.0000 in all channels when there had been a memory loss.
- Always write down the programmed frequencies in the case of memory loss.

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.

WARNING **General Battery Warning!**
Do not short-circuit any battery.
Do not discard batteries in a fire; they may explode.

WARNING **Alkaline Battery Warning**
Do not recharge alkaline batteries in this product.

Nickel-Cadmium Battery Warning!
Do not charge nickel-cadmium batteries with any charger other than the one supplied by Uniden as an option. Using another charger may damage the batteries, or cause them to explode.

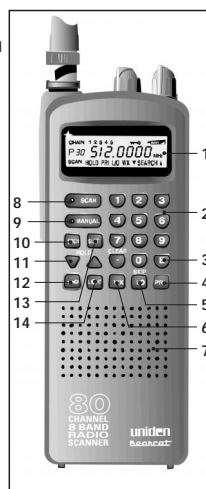
Feature Highlights

- 80 Channels
- Priority Channel Scanning
- Manual Channel Access
- 1 Hr Memory Backup
- Preset Two-second scan Delay
- LCD Back-Light

Frequency Range	Transmission
66 - 88 MHz	VHF low band
137 - 144 MHz	Land mobile
144 - 148 MHz	2 meter amateur band
148 - 174 MHz	VHF high band
406 - 420MHz	Land mobile
420 - 450MHz	70 cm amateur band
450 - 470MHz	UHF standard band
470 - 512MHz	Land mobile

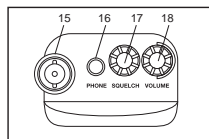
Function Keys

1. Display
2. Numeric keypad
3. Enter
4. Priority
5. Lockout/Skip
6. Weather
Not functional in New Zealand or Australia.
7. Speaker
8. Scan Mode
9. Manual Mode
10. Search
11. Search Hold
12. Keypad Lock
13. Select
14. Light

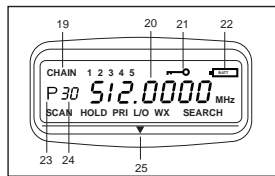


Controls and Indicators

Contents



- 15. Antenna Connector
- 16. Ear Phone Jack
- 17. Squelch Control
- 18. On/Off Volume Control



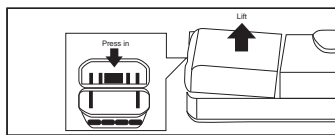
- 19. Chain Search Indicator
- 20. Frequency Display
- 21. Keypad Lock Indicator
- 22. Low Battery Indicator
- 23. Priority Channel Indicator
- 24. Channel Indicator
- 25. Function Indicators

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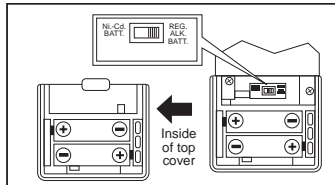
SETUP

Installing the Batteries

1. Open the cover



2. Insert Batteries

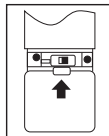


Note: If you are installing alkaline batteries, set the switch to **REG. ALK. BATT.** If installing nickel-cadmium batteries, set the switch to **Ni-Cd BATT.**

3. Replace cover and press down until it clicks into place.

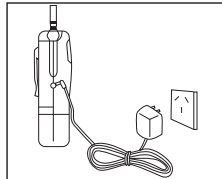


Do not mix alkaline batteries with Ni-Cd batteries. Be sure to install four batteries of the same type.



AC Adapter/Charger

Use the optional AC adapter/charger to power the **UBC61XLT** from an AC outlet.



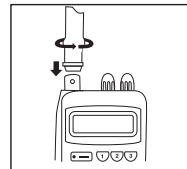
Use only the optional AC adapter.

Charging Warning

Do not charge alkaline batteries in this scanner. Doing so may cause serious damage to the product and void the warranty. Before attempting to recharge batteries, make sure you have installed four rechargeable nickel-cadmium batteries and the selector switch is set to **Ni-Cd BATT.**

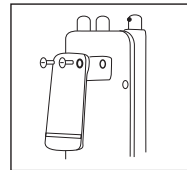
Flexible Antenna

Attach the flexible antenna to the BNC connector.



Belt Clip

Do not tighten the screws too tight. You can damage the case or clip.



Optional Accessories

AC Adapter / Charger

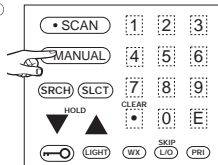
Cigarette Lighter Lead

Basic Operation

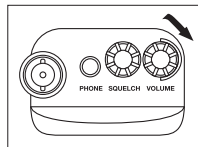
Setting the Squelch

To set the squelch, you must be in the manual mode. No signal should be present when adjusting squelch.

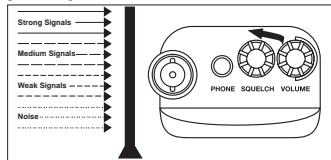
1. Press **MANUAL** until you do not hear a signal.



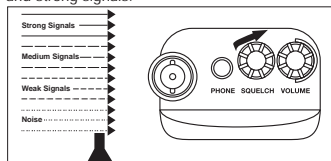
2. Adjust **VOLUME** to a comfortable listening level.



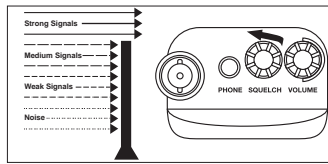
3. Think of Squelch Control as a gate. Turn **SQUELCH** fully counter-clockwise. This raises the "Squelch-Gate" so high that no signals can get through.



4. 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.



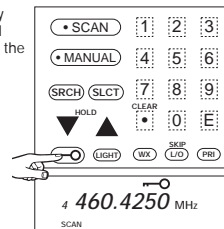
5. Turn **SQUELCH** back counter-clockwise just until the hiss stops. Now the "Squelch Gate" allows only strong signals through.



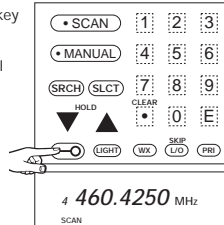
Keylock

Keylock prevents accidental key entries during scanning.

1. To lock the key pad, press and hold **KEY** until the key symbol appears.



2. To unlock the key pad press and hold **KEY** until the key symbol disappears.

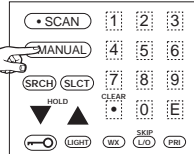


Programming

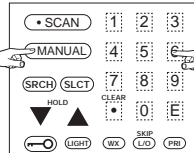
Before the UBC61XLT can receive radio broadcasts, you must program a frequency into at least one channel before scanning, repeat this procedure for each channel you program. Up to 80 channels may be programmed

1. Select frequencies

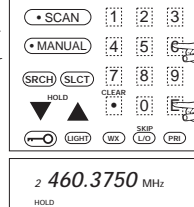
2. Press **MANUAL**



3. Select a channel
 - a) Enter the channel number
 - b) Then press **MANUAL**



4. Enter the frequency.
 - a) Enter the frequency number
 - b) Then press **E**



NOTE To clear a mistake while entering the frequency, press **E** twice, and start over.

If the frequency entered is outside the frequency range of the scanner, a distinctive beep sounds. (See the table on page 2).

Press **E** and go back to step 4.



Duplicate Frequency Alert

If you enter a frequency stored in another channel, you hear a beep and the other channel appears in the display.



Press **E** to start again

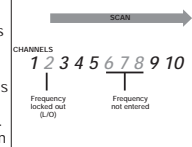
or Press **E** again to store the frequency in both channels.

Scanning

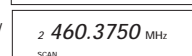
When you turn on the power, the UBC61XLT automatically starts in the scan mode.



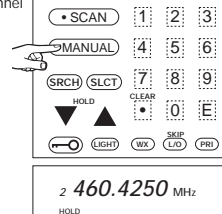
During normal scanning the scanner skips unprogrammed or locked out channels.



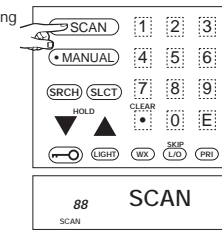
When a transmission is received, the scanner stops on that channel. When the transmission ends, scanning resumes automatically after two seconds.



To stop on a channel during scanning, press **MANUAL**



To resume scanning press **SCAN**

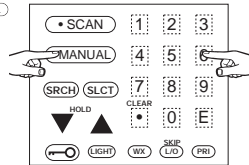


Channel Lockout

You can lockout any channel so it is not reviewed during normal scanning. You can restore the channel to scanning whenever you wish.

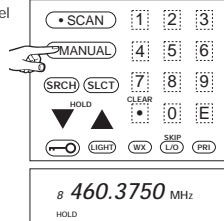
Lockout in Manual Mode

1. Press **MANUAL**.

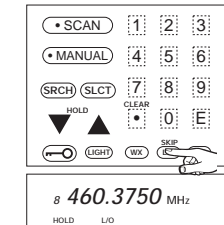


2. Select a channel

- a) Enter the channel number
- b) Then press **MANUAL** again.



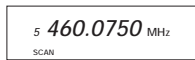
3. Press **L/O** to lockout the channel.



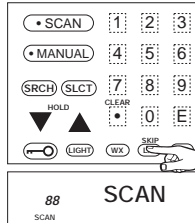
Locking a Channel While Scanning

If the scanner keeps stopping on a particular channel due to noise or too frequent transmissions, you may want to keep that channel from scanning.

1. Wait until the scanner stops at the channel.



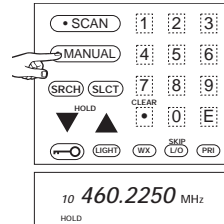
2. Then press **L/O**.



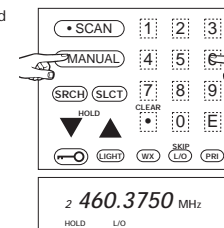
3. The scanner immediately resumes scanning because the locked out channel is no longer in the scanning sequence.

Restore a Locked Out Channel

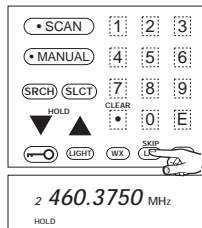
1. Press **MANUAL**.



2. Select a locked out channel.
 - a) Enter the channel number
 - b) Then press **MANUAL** again.



3. Press **L/O** to unlock the channel.



Restore All Locked-out Channels

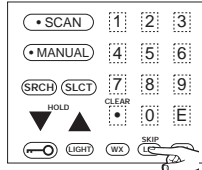
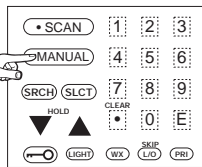
1. Press **MANUAL**

NOTE You must be in manual mode before restoring all locked-out channels.

2. Press and hold **L/O** for about two seconds.

You will hear two beeps when all the channels have been restored.

NOTE Empty channels cannot be deleted and are always locked out

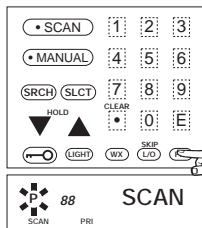


Priority Scan

When priority scan is turned on, your scanner checks the priority channel every two seconds for activity. If a signal is present on the priority channel, your scanner monitors the channel until the transmission ends, then resumes normal scanning. You can designate any one of the 80 available channels as your priority channel.

To activate priority scan (in either manual or scan mode):

1. Press **PRI**

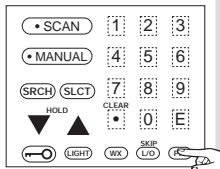


NOTE If you have locked out the priority channel, this message appears when you select priority mode.

P ch Loc Out

HOLD

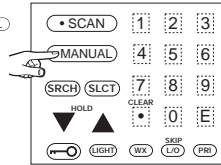
2. Press **PRI** again at anytime to deactivate priority scan.



Changing the Priority Channel

You cannot eliminate the priority channel, but you can change it to any other of the 80 available channels.

1. Press **MANUAL**

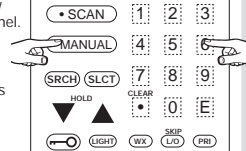


11 460.4750 MHz

HOLD

2. Select a new priority channel.

- a) Enter the channel number
- b) Then press **MANUAL** again.

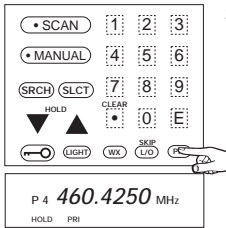


4 460.4250 MHz

HOLD

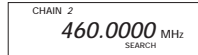
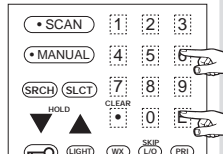
3. Press and hold (PRI) for two seconds to designate this channel as your new priority channel.

Two beeps indicate that the priority channel is changed.



2. Enter lower limit of the search band.

- a) Enter the frequency number.
- b) Then press (E)



Chain Search

Use chain search to find active frequencies in your area. You can search up to all five personal bands or turn off those bands you don't want to hear. This gives you flexibility of searching for any channel between 66 and 512 MHz, as long as they are within the 8 frequency bands covered by the UBC61XLT. See the table on page 2

NOTE The display alternates between the upper and lower ranges.

Setting a Search Range

An error message displays when (SRCH) is pressed and you have not either specified a search range in at least one chain search band.



-OR-

If you attempt to turn off all personal chain search bands.

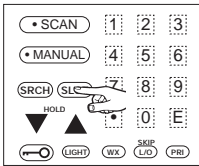
The error message turns off automatically and chain 1 is selected when all search locations are empty.



Press (MANUAL) to return to manual mode, or press (SLCT) to select the band you want to program.

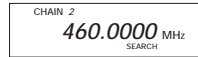
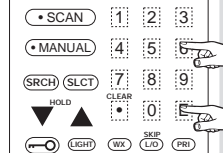
To program a frequency range into one of the five personal chain search bands, follow these steps:

1. Press (SLCT) until the search location you want appears in the display.

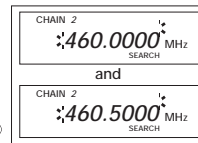


3. Enter upper limit of the search band.

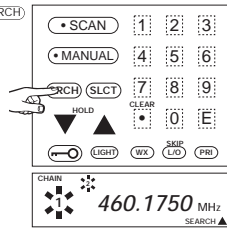
- a) Enter the frequency number
- b) Then press (E)



NOTE The display alternates between the upper and lower ranges. If you program the wrong limit press (O) and (E) then press (O) and (E) again to erase the error and reset the limits to zero. Then begin again.



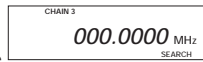
4. Either press (SRCH) to begin your search.



NOTE Your scanner searches each selected chain search band. The display flashes the number of the band while it's searched. Other bands which are programmed and selected are displayed but do not flash

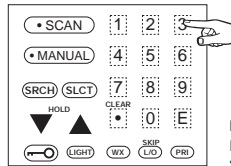
-OR-

Press (SLCT) to move to the next chain location.



NOTE You can press the chain search band number, followed by (SLCT), to access the location directly.

5. To turn off a chain search band during searching, press its location number.

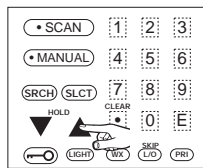


For example, (a) if chain search locations 1, 2 and 3 are selected, (b) press (3) to turn off band three so that it's not scanned during your search.

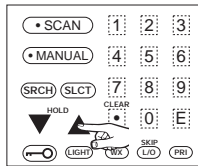


Search Hold Feature

Press Δ or ∇ at anytime to stop the search.

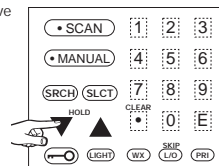


2. Press Δ to move the next higher frequency

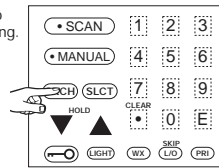


-OR- (See step 3)

3. Press ∇ to move down to the previous frequency.



4. Press (SRCH) to resume searching.

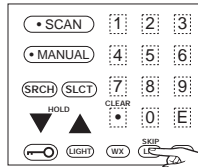


NOTE The search continues toward either the upper or lower search limit, depending on which direction key (Δ or ∇) was pressed last.

Frequency Skip

If a particular frequency continues to interrupt searching, it is possible to set your scanner to skip the frequency.

If your scanner stops while searching, press (SKIP) to lock-out the frequency from the search range.

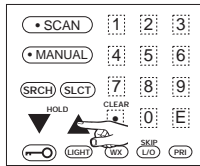


NOTE You can program 10 skip frequencies. The 11th skip frequency entered causes the 1st skip frequency to unlock.

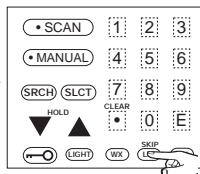
To unlock all skip frequencies at once, follow the next steps:

1. Press either \triangle or ∇ during a search.

NOTE You must be in search hold before restoring all skipped frequencies.



2. Press and hold (SKIP) for about two seconds. You will hear two beeps when all the frequencies have been restored.

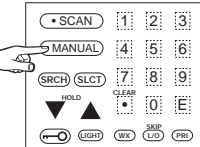


Storing Search Frequencies

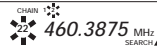
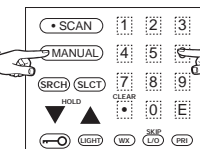
You can quickly store any frequency you find during search.

CAUTION You must select the channel in which you will store the frequency before entering the search mode. Otherwise, you may erase a stored frequency that you want to keep.

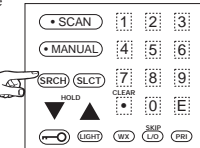
1. Press **MANUAL**.



2. Select a channel.
a) Enter the channel number.
b) Then press **MANUAL** again.



3. Select one or more of the personal search bands.

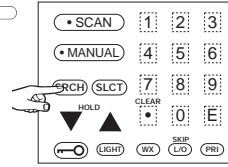


For example, select **CHAIN 2**.

NOTE These frequencies were used during "setting a search range" on page 9.



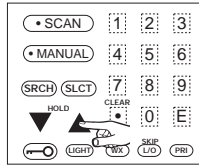
4. Press **SRCH**.



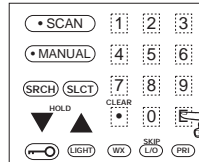
5. When the scanner stops at the frequency you want, press either \triangle or ∇ .

NOTE After this step you are in search hold mode.

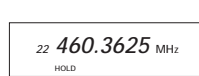
Press **SRCH** to resume searching.



6. Press **E** to store the frequency in the channel you selected.



NOTE After this step you are in manual mode.



Repeat steps 2 through 6 for all the search frequencies you want to store.

Troubleshooting

If your UBC61XLT is not performing properly, try the following steps.

Problem	Suggestion
Improper reception	<ol style="list-style-type: none"> 1. Check the antenna connection or move and reposition the antenna. 2. Move the scanner 3. You may be in a remote area which could require an optional multiband antenna. Check with your dealer or local electronics store.
Scan won't stop	<ol style="list-style-type: none"> 1. Adjust squelch threshold - refer to page 5, setting the squelch. 2. Check the antenna connection. 3. Check to see if many of the channels are locked-out. If so, the scanner has less chance of finding an active channel. 4. Review each channel's frequency to see if it is still stored in memory and is correct. 5. It's possible that none of the programmed frequencies are currently active.
Scan won't start.	<ol style="list-style-type: none"> 1. Press the SCAN key again. 2. Adjust the SOELCH control. 3. Check to see if all channels are locked out.
Weather Scan won't work	<ol style="list-style-type: none"> 1. Weather Scan is not functional in New Zealand or Australia.

Warranty

One Year Limited Warranty

Important: Evidence of original purchase is required for warranty service.
 Warrantor: Uniden Australia Pty Limited A.B.N. 58 001 865 498
 Uniden New Zealand Limited

ELEMENT OF WARRANTY: Uniden warrants to the original retail owner for the duration of this warranty, its UBC 61XLT (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 retail owner only, shall terminate and be of no further effect 12 months 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) Warranty is only valid in original country of purchase.

PARTS COVERED: This warranty covers for one (1) year, the Base Unit and Handset only. All accessories (AC Adaptor, Belt Clip etc) are covered for 90 days only.

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 ANY WAY AFFECT YOUR RIGHTS UNDER THE CONSUMER GUARANTEE ACT.**

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 3355 Fx (02) 9599 3278
 Toll Free 1300 366 895

UNIDEN NEW ZEALAND LIMITED
 SERVICE DIVISION
 150 Harris Road,
 East Tamaki, Auckland
 Ph (9) 273 8383 Fx (9) 274 4253
 Toll Free 0800 4 UNIDEN
 4 864 336

www.uniden.com.au

www.uniden.co.nz

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)