UBC 61XLT
Programmable Hand-Held-Scanner

OWNER’S MANUAL

Printed in the Philippines

UBC 61XLT
Programmable Hand-Held-Scanner
Introduction

What is Scanning?
The UBC-61XLT 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.

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.

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

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 Hour Memory Backup
• Preset Two-second Scan Delay
• LCD Back-Light

Function Keys
1. Display
2. Numeric keypad
3. Enter
4. Priority
5. Lockout/Skip
6. Weather
7. Speaker
8. Scan Mode
9. Manual Mode
10. Search
11. Search Hold
12. Keypad Lock
13. Select
14. Light

Frequency Range
<table>
<thead>
<tr>
<th>Transmission</th>
<th>Frequency Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>VHF low band</td>
<td>66 - 88 MHz</td>
</tr>
<tr>
<td>Land mobile</td>
<td>137 - 144 MHz</td>
</tr>
<tr>
<td>2 meter amateur band</td>
<td>144 - 148 MHz</td>
</tr>
<tr>
<td>VHF high band</td>
<td>148 - 174 MHz</td>
</tr>
<tr>
<td>Land mobile</td>
<td>406 - 420 MHz</td>
</tr>
<tr>
<td>70 cm amateur band</td>
<td>420 - 450 MHz</td>
</tr>
<tr>
<td>UHF standard band</td>
<td>450 - 470 MHz</td>
</tr>
<tr>
<td>Land mobile</td>
<td>470 - 512 MHz</td>
</tr>
</tbody>
</table>
Controls and Indicators

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
SETUP

Installing the Batteries

1. Open the cover

2. Insert Batteries
   - 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.

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 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 until the key symbol appears.

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

---

*Strong Signals*

*Medium Signals*

*Weak Signals*

*Noise*
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
   a) Enter the frequency number
   b) Then press \[M\] to start again

2. Press \[MANUAL\]
   a) Enter the channel number
   b) Then 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 \[MANUAL\]

   To clear a mistake while entering the frequency, press 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 7).

   Press \[CLEAR\] 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 and go back to step 4.

Press 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 [SEL] 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 [SEL].
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 \( \square \) to unlock the channel.

### Restore All Locked-out Channels

1. Press \( \square \). You must be in manual mode before restoring all locked-out channels.
2. Press and hold \( \square \) for about two seconds. You will hear two beeps when all the channels have been restored.

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 \( \square \).

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

2. Press \( \square \) 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 \( \square \).
2. Select a new priority channel.
   a) Enter the channel number
   b) Then press \( \square \) again.
3. Press and hold (hold) for two seconds to designate this channel as your new priority channel.
Two beeps indicate that the priority channel is changed.

**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

**Setting a Search Range**

An error message displays when (search) 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 (search) 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 (search) until the search location you want appears in the display.
2. Enter lower limit of the search band:
   a) Enter the frequency number.
   b) Then press (search)

   The display alternates between the upper and lower ranges.

3. Enter upper limit of the search band:
   a) Enter the frequency number
   b) Then press (search)

   The display alternates between the upper and lower ranges. If you program the wrong limit press (search) and (search) again to erase the error and reset the limits to zero. Then begin again.
4. Either press \textbf{SCAN} to begin your search.

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.

\textbf{-OR-}

Press \textbf{SLCT} to move to the next chain location.

You can press the chain search band number, followed by \textbf{SLCT}, to access the location directly.

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

For example, if chain search locations 1, 2, and 3 are selected, (b) press \textbf{SLCT} to turn off band three so that it’s not scanned during your search.

\textbf{Search Hold Feature}

Press \textbf{SLCT} at anytime to stop the search.

2. Press \textbf{△} to move the next higher frequency.

(See step 3)

3. Press \textbf{▽} to move down to the previous frequency.

4. Press \textbf{SET} to resume searching.

The search continues toward either the upper or lower search limit, depending on which direction key \textbf{△} or \textbf{▽} was pressed last.

\textbf{Frequency Skip}

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

If you scanner stops while searching, press \textbf{SKIP} to lock-out the frequency from the search range.

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 ▲ or ▼ during a search.

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

2. Press and hold (SRCH) 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.

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, then press (SRCH) again.

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

For example, select MAIN 2.

These frequencies were used during “setting a search range” on page 9.

4. Press • SCAN

5. When the scanner stops at the frequency you want, press either ▲ or ▼.

After this step you are in search hold mode. Press (SRCH) to resume searching.

6. Press ▼ to store the frequency in the channel you selected.

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.

<table>
<thead>
<tr>
<th>Problem</th>
<th>Suggestion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Improper reception</td>
<td>1. Check the antenna connection or move and reposition the antenna.</td>
</tr>
<tr>
<td></td>
<td>2. Move the scanner</td>
</tr>
<tr>
<td></td>
<td>3. You may be in a remote area which could require an optional multiband</td>
</tr>
<tr>
<td></td>
<td>antenna. Check with your dealer or local electronics store.</td>
</tr>
<tr>
<td>Scan won't stop</td>
<td>1. Adjust squelch threshold refer to page 5 setting the squelch.</td>
</tr>
<tr>
<td></td>
<td>2. Check the antenna connection.</td>
</tr>
<tr>
<td></td>
<td>3. Check to see if many of the channels are locked out. If so the scanner</td>
</tr>
<tr>
<td></td>
<td>has less chance of finding an active channel.</td>
</tr>
<tr>
<td></td>
<td>4. Review each channel’s frequency to see if it is still stored in memory</td>
</tr>
<tr>
<td></td>
<td>and is correct.</td>
</tr>
<tr>
<td>Scan won't start</td>
<td>1. Press the (SEND) key again.</td>
</tr>
<tr>
<td></td>
<td>2. Adjust the (SQUELCH) control.</td>
</tr>
<tr>
<td></td>
<td>3. Check to see if all channels are locked out.</td>
</tr>
<tr>
<td>Weather Scan won't work</td>
<td>1. Weather Scan is not functional in New Zealand or Australia.</td>
</tr>
</tbody>
</table>

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 (hereinafter 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) 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 8335 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)