Uniden®

UH610
UH615
UH620
UHF CB Radio

OWNER'S **MANUAL**

SAFETY AND GENERAL INFORMATION

RF Exposure and Product Safety Instructions for Portable Two-Way Radios General Populated and Uncontrolled Environments.

ATTENTION:
Before using this radio, refer to the important operating instructions for safe usage and RF energy awareness and control for compliance with applicable Standards and Regulations.

Transmit and Receive Procedure

Your two-way radio contains a transmitter and a receiver. To control your exposure and ensure compliance with the general population /uncontrolled environment exposure limits, always adhere to the following procedure:

- Transmit no more than 50% of the time.
- To receive calls, release the **PTT** button.
- To transmit (talk), press the Push-to-Talk (**PTT**) button in front of the face.
- Hold the radio in a vertical position with the microphone (and other parts of the radio including the antenna) at least one inch (2.5 centimeters) away from the nose or lips. Keeping the radio at a proper distance is important to ensure compliance.

Note: RF exposure decreases with increasing distance from the antenna.

- Body Worn Operation. When worn on the body, always place the radio in a approved clip for this product.

Two-way Radio Operation

- Use only approved supplied or replacement antennas and audio accessories.

⚠ **WARNING:** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RF warning statement:
The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

⚠ *NOTE* The citizen band radio service is licenced in Australia by ACMA Radio-communications (Citizen Band Radio Stations) Class Licence and in New Zealand by MED General User Licence for Citizen Band Radio and operation is subject to conditions contained in those licences.

INCLUDED IN YOUR PACKAGE

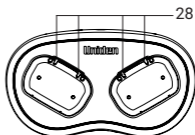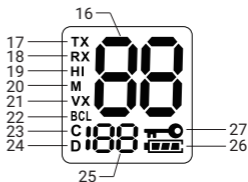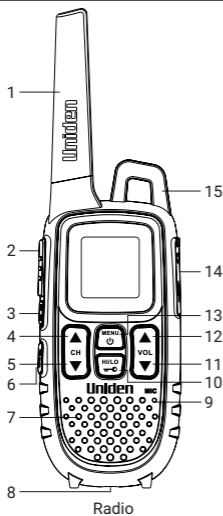| ITEM	UH610	UH610-2	UH615-2	UH620	UH620-2	UH620-2DLX
UH610 Radio	1	2	--	--	--	--
UH615 Radio	--	--	2	--	--	--
UH620 Radio	--	--	--	1	2	2
3x 1000mAh NiMH AA Batteries	1	2	2	--	--	--
3x 1200mAh NiMH AA Batteries	--	--	--	1	2	2
AC Adaptor	--	1	1	--	1	1
Micro USB Cable	1	1	1	1	1	1
Belt Clip	1	2	2	1	2	2
Carabiner Clip	--	--	--	1	2	2
Dual Charging Dock	--	1	1	--	1	1
Cigarette Adaptor	--	--	--	--	--	1
PTT Earpiece	--	--	2	1	2	2
Soft Carry Case (Zip bag)	--	--	--	--	--	1
Owner's Manual	1	1	1	1	1	1

> **NOTE** If any these items are missing from the box, contact your place of purchase, immediately.

Optional Accessories
- PTT Earpiece
- VOX/PTT Earpiece
- VOX/PTT Headset
- Speaker MIC

Visit www.uniden.com.au for original accessories

CONTROLS & INDICATORS

Radio

Dual Charger

1. Antenna
2. PTT (Push to Talk) Button
3. Call /Monitor Button
4. Channel Up Key
5. Channel Down Key
6. Torchlight Key
7. Speaker
8. LED Torchlight
9. Microphone
10. HI /LO Lock Key
11. Volume Down /Memory Key
12. Volume Up /Scan Key
13. Menu /Power Key
14. Accessory Jack

15. Carabiner Loop
16. Channel Indicator
17. TX - Transmit
18. RX - Signal Receive
19. HI - Power Hi/Lo
20. M - Memory Channel
21. VX - Voice Activation Mode
22. BCL - Busy Channel Lockout
23. (CTCSS) - Continuous Tone Coded Squelch System
24. (DCS) - Digitally Coded Squelch
25. CTCSS /DCS Code
26. Battery Level
27. Keylock
28. Charging Contacts

⚠️ **NOTE** Uniden does not represent this product to be waterproof. Do not expose this product to Rain or Moisture.

Battery Installation

Your UH610 /UH615 /UH620 unit uses the included three AA NiMH rechargeable batteries for power.

⚠️ **NOTE** The unit can be powered with optional 3 AA ALKALINE batteries.

⚠️ **NOTE** If you don't use the UH610 /UH615 /UH620 for long periods, Uniden recommends removing the batteries.

🚫 To avoid damage to the unit do not mix old and new batteries.

To install the batteries:

1. Make sure your radio is off.
2. Release the battery cover clip, then remove the battery cover.
3. Insert the three AA NiMH battery with + and − polarity as shown inside.
   OR
   Insert three AA ALKALINE batteries (not included) with + and − polarity as shown inside.
4. Close the battery cover firmly.

⚠️ **NOTE** Do not charge alkaline or non rechargeable batteries.

Charging the AA NiMH Batteries

1. Plug the micro-USB cable into the micro-USB charging port on UH610 /UH615 /UH620 radio.
2. Connect the other end of the micro-USB charger to a USB power outlet. The battery meter on radio LCD will move to indicate the battery is charging.

Before operating the UH610 /UH615 /UH620, charge the AA NiMH batteries for 16 hours.

Installing the Charge Cradle (Twin Packs Only)

1. Plug the AC adaptor into the rear of the charge cradle and into the mains power.

GETTING STARTED

2. Place the UH610 /UH615 /UH620 into the charge cradle. The battery meter on radio LCD will move to indicate the battery is charging.
3. Before operating the UH610 /UH615 /UH620, charge the AA NiMH batteries for 16 hours.

⚠️ Do not charge alkaline or non rechargeable batteries.
NOTE

Belt Clip
To attach the belt clip:
Slide the belt clip until it snaps into place.
To remove the belt clip:
To remove the belt clip, slightly lift the belt clip locker and slide the belt clip at the same time until released.
Using the Carabiner Clip
Use the carabiner clip to conveniently secure the UH610 /UH615 /UH620 to a belt or strap.

Low Battery Alert
When the radio battery level shows one segment, the radio chirps periodically or after releasing the **PTT** button (Low Battery Alert). When the radio battery level becomes empty it will go into a battery low mode, and the transmit mode is disabled. Replace the alkaline batteries immediately, OR recharge the NiMH Batteries. Full charge will take up to 16 Hrs.

Power Save
The UH610 /UH615 /UH620 has a unique circuit designed to dramatically extend the life of the batteries. If there is no transmission nor an incoming call within 3 seconds, your Radio switches to the Power Save mode. The Radio is still able to receive transmissions in this mode.

Back Light
The UH610 /UH615 /UH620 has an automatic display back light which remains on for 10 seconds after a key press (all keys except PTT and ☼ key). The back light will work even if the keypad is locked but will not work during low battery alert mode.

Power On/Off
1. Press and hold (**MENU**) ⏻ to turn the radio on. A channel number will appear on the display.
2. Press and hold (**MENU**) ⏻ to turn the radio off.

⚠️ **NOTE** Power Off feature is not available in the Menu mode. Exit Menu mode to use Power Off feature.

Volume
The volume level can be adjusted from 0 (min volume) to 7 (maximum volume). Press (**VOL**) ▲ or ▼ to increase or decrease the volume level. **U** and the current volume level will flash on the display.

Keypad Lock
To prevent accidental entries, you can lock the keypad. Press and hold (**HI/LO/lock**) for 1.5 secs until it beeps to activate Key Lock. The 🔒 appears. To unlock the keypad, press and hold (**HI/LO/lock**) again for 1.5 Secs. The 🔒 disappears.

⚠️ **NOTE** While in Keylock on mode, the UH610 /UH615 /UH620 can still receive and transmit.

Torchlight
The radio has a built-in LED light.
Briefly press ☼ key and the torchlight will be switched on. Press ☼ key again and the torchlight will be switched off.

The torchlight can be switched on or switched off even if the UH610 / UH615 /UH620 is not switched on.

Selecting A Channel
Press (**CH**) ▲ or ▼ to select the desired channel. If you press and hold (**CH**) ▲ or ▼ the channel numbers will scroll rapidly.

⚠️ **NOTE** Refer to channel guidelines on page 12. For Australia, Channels 05 and 35 are reserved for Emergency Calls.

To Transmit And Receive
The radio uses the UHF-CB Channels.

(Channels 22 and 23 are for telemetry and telecommand applications,

OPERATION

channels 61,62 and 63 are for future use.TX is inhibited on these channels.)

The maximum RF transmit power of UH610 is 1W, and UH615 is 1.5W and UH620 is 2.0W.

1. Before you transmit, listen for activity on the selected channel.
2. When the channel is clear, press (**PTT**) to transmit at the selected **HI/LO** transmit power.

TX appears on the LCD during transmit. The unit cannot transmit continually for more than 3 minutes. If the user transmits continually for more than 3 minutes, the unit stops transmitting a signal. The TX icon and the Channel segment will blink and sound a beep.
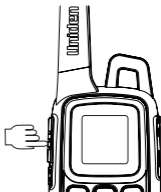
Hold the radio with microphone approximately 5 cm in front of your mouth with the antenna at approximately 45° angle away from your head. Speak in a clear, normal conversational voice.

3. When you have finished speaking, release (**PTT**) for a response then **TX** disappears on the LCD. **RX** appears while receiving a signal.

Transmit Power Select

To change your transmit power level press (**HI/LO lock**). To revert to the previous power level, press the (**HI/LO lock**) again. When the TX Power setting is set to low, **HI** icon is not displayed on the LCD. When the TX Power setting is set to high, **HI** icon is displayed on the LCD.

Model	Power - High	Power - Low
UH610	1.0W	0.5W
UH615	1.5W	0.5W
UH620	2.0W	0.5W

Automatic Squelch Feature

The UH610 /UH615 /UH620 is equipped with an Automatic Squelch System which shuts off weak transmissions and unwanted noise.

Monitor

This feature enables users to listen in for weak signals on the current channel at the press of a button.

To use monitor:

- **For continuous listening. Press and hold (CALL/MON). A double tone beep will be heard and the receiver circuit will stay open, letting in**

both the noise & weak signals.
- RX flashes.
- **To return to normal receive mode press and hold (CALL/MON).**

Scanning

The UH610 /UH615 /UH620 has two types of scanning; Open Scanning (OS) and Group Scanning (GS), OS Scan searches all the channels and frequenciesin its memory continuously. GS Scan is similar to OS scan but has the added ability to monitor the priority channel every 1.5 seconds. Scanning searchs for active channels programmed in the OS or GS memory.

To initiate scanning
1. Assuming the unit is on CH01 when switched on.
2. Press and hold (**VOL**) ▲ key and scanning starts.

Open Scan (OS) Mode

Allows continuous scanning of channels stored in the Open Scan (OS) memory. If an active channel is found, scanning will stop on that channel.

> ⚠️ **NOTE** The factory has preprogrammed all the UHF-CB channels into the Open Scan channel memory. However, you can change or customize the channels by following the steps on programming Scan Channels on page 9.

skip the active channel, press (**CH**) ▲ or ▼ Scanning resumes.
To deactivate **SCAN**, press (**PTT**) or press and hold **VOL** key.

Group Scan(GS) Mode

To change between OS and GS scan;
1. Press (**MENU**) three times. GS setting flashes.
2. Press (**CH**) ▲ or ▼ or (**VOL**) ▲ or ▼ to change the selection.
3. Press & hold (**MENU**) to save and exit.

To initiate scanning
1. When (**VOL**) ▲ is pressed during Group Scan Mode, Group Scanning begins.
2. To deactivate GS scanning, press (**PTT**) or press and hold (**VOL**) ▼.

> ⚠️ **NOTE** 1. If SCAN is deactivated while it is tuned to an active channel, the UH610 /UH615 /UH620 will stay on that active channel. If none of the channels re-active, the radio will reinstate the Scan start channel.
> 2. If OS/GS Scanning is initiated when there are no channels programmed in OS/GS memory, an error tone will be heard and scanning will not start.

OPERATION

Priority Channel Watch during Group Scan
The feature monitors the Priority channel every 1.5 secs during GS.
1. Press (**MENU**) four times. **Pr** setting flashes.
2. Press (**CH**) ▲ or ▼ or (**VOL**) ▲ or ▼ to select the desired channel.
3. Press & hold (**MENU**) to save and exit.

Programming Scan Channels
1. Select which Scanning Mode you wish to use on the channel OS or GS Mode.
2. Select the channel you want to store by pressing (**CH**) ▲ or ▼ .
3. Press and hold (**VOL**) ▼ to store. **M** icon appears.
4. To remove the channel from Memory, Press and hold (**VOL**) ▼ to remove. **M** icon disappears.

Drop-Out Delay
While scanning, the radio stops at a busy channel and receives a signal. Whenthe received signal is over, the unit will wait for 2 seconds for the return of the signal, otherwise, the radio resumes scanning.

To Operate In Duplex Mode (Repeaters)
The Duplex function enables you to access local repeater stations.

⚠️ You can only activate Duplex on CH01-CH08 and CH41-CH48.
NOTE

UHF CB Repeaters are used to retransmit or relay your signal. Repeaters will extend the range of your radio and overcome the shielding effect caused by solid obstructions.
Eg. CH01 is being used in your area for repeater use.

1. Press (**MENU**) twice. '**dP**' will flash on the screen.
2. Press (**CH**) ▲ or ▼ or (**VOL**) ▲ or ▼ to change the selection. **r** appears for CH01-CH08 and n appears for CH41-CH48 when duplex is selected.
3. Press & hold (**MENU**) to save and exit.

⚠️ Contact your retailer for a list of repeaters available in your area.
NOTE

Operation with the aid of a Repeater

CTCSS
(Continuous Tone Coded Squelch System)
CTCSS is a feature that allows a group to talk to each other without hearing other users on the same channel.

1. Select desired channel.
2. Press (**MENU**) once. **CTCSS** setting flashes.
3. Press (**CH**) ▲ or ▼ or (**VOL**) ▲ or ▼ to change the selection.
4. Press & hold (**MENU**) to save and exit.

⚠️ *NOTE* Select **oF** to turn DCS/CTCSS off for the selected channel.

DCS
(Digital Coded Squelch)
DCS is a digital extension of CTCSS. It provides 104 extra, digitally coded, squelch codes that follow after the 38 CTCSS codes. CTCSS 1-38, followed by DCS 1-104.

Follow the steps for changing CTCSS code but select DCS code as desired.

⚠️ *NOTE* Channels 05 and 35 are used for emergency channels. CTCSS and DCS will not operate on these two channels.

VOX
VOX is the automatic transmitting function by inputting voice into the VOX headset mic without pressing the PTT key. While headset microphone is not connected, VOX function is inactive even if VOX level setting is from 1 to 5.

VX appears when VOX level setting is from 1 to 5.

1. Press (**MENU**) seven times. **VX** setting flashes.
2. Press (**CH**) ▲ or ▼ or (**VOL**) ▲ or ▼ to select the desired setting. The VOX levels are from 1 (high sensitivity) to 5 (low sensitivity) and Off.
3. Press & hold (**MENU**) to save and exit.

OPERATION

Busy Channel Lockout
This feature prevents accidental transmission on a busy channel.
For example, BCL is used when CTCSS or DCS is selected to prevent transmission when the radio detects a transmission from another unit using the same CTCSS or DCS code.

1. Press (**MENU**) five times. **BCL** setting flashes.
2. Press (**CH**) ▲ or ▼ or (**VOL**) ▲ or ▼ to change the setting on or off.
3. Press & hold (**MENU**) to save and exit.

Call Tone
Your UH610 /UH615 /UH620 radio is equipped with 5 selectable call tones that will be transmitted when **CALL/MON** is pressed.

1. Press (**MENU**) six times. CL setting flashes.
2. Press (**CH**) ▲ or ▼ or (**VOL**) ▲ or ▼ to change the selection. The 5 call tones are CL 1 to CL 5. A sample of the call tone is sounded when selected.
3. Press & hold (**MENU**) to save and exit.

> ⚠️ Current regulations require calling tones to be restricted to one transmission per minute. If a second transmission is attempted
> **NOTE** within one minute then an error tone will sound.

Key Beep
Assures the user that the keypad has been properly pressed by emitting a beep tone. This tone can be switched on or off.

1. Press (**MENU**) nine times. **bP** setting flashes.
2. Press (**CH**) ▲ or ▼ or (**VOL**) ▲ or ▼ to change the setting on or off.
3. Press & hold (**MENU**) to save and exit.

Roger Beep
Roger Beep is a BEEP that is sent to notify the end of transmission (both **PTT** and **VOX** transmission.) Roger Beep can be heard through the speaker when Key Beep is on. Roger Beep is transmitted even if Key Beep is turned off.
However, Roger Beep will not be heard from the speaker.

1. Press (**MENU**) eight times. **rb** setting flashes.
2. Press (**CH**) ▲ or ▼ or (**VOL**) ▲ or ▼ to change the setting on or off.
3. Press & hold (**MENU**)to save and exit.

NOTE ⚠ Always listen on a channel (or observe the receive signal level meter) to Channels 5 and 35 are used for emergency channels. CTCSS/DCS will not operate on these channels.

Please follow these guidelines for channel use in Australia:
- Channels 05 and 35 are Emergency Channels.
- Channel 11 is a Calling Channel.
- Channels 22 and 23 are for telemetry and telecommand applications, channels 61, 62 and 63 are for future use and TX is inhibited on these channels.

General communication is accepted on all other channels with these guidelines:
- Channel 40 - road channel (Australia).
- Channels 01-08 (and 31-38), and Channels 41-48(and 71-78) are repeater channels.

NOTE ⚠ **Important information - 80 Channel UHF-CB channel expansion** To provide all users additional channel capacity within the UHF-CB Band.

The ACMA will change the majority of the current wideband 40 channel use to narrowband channel use. This allows for additional channels to be added, up to 80 Channels.

This simply means that the new narrowband radio you have purchased will have more channels than older radios. Please refer to the guidelines above and the channel chart for further channel information.

A list of currently authorised channels can also be obtained from the ACMA website in Australia and the MED website in New Zealand.

Interference / Poor Audio
When a new narrowband radio receives a signal from an older wideband radio the speech may sound loud.

Narrowband radios operating on CH41 - CH80 may encounter interference from a nearby wideband radios transmitting on high power on an adjacent channel (frequency).

When an older wideband radio receives a signal from a new narrowband radio the speech may sound quiet - the wideband radio user simply.

WARRANTY

UNIDEN UH610 /UH615 /UH620 UHF-CB Radio

IMPORTANT: Satisfactory evidence of the original purchase is required for warranty service

Please refer to our Uniden website for any details or warranty durations offered in addition to those contained below.

Warrantor: The warrantor is Uniden Australia Pty Limited ABN 58 001 865 498 ("Uniden Aust").

Terms of Warranty: Uniden Aust warrants to the original retail purchaser only that the UH610, UH610-2, UH615-2, UH620, UH620-2, UH620-2DLX Radio ("the Product"), will be free from defects in materials and craftsmanship for the duration of the warranty period, subject to the limitations and exclusions set out below.

Warranty period: This warranty to the original retail purchaser is only valid in the original country of purchase for a Product first purchased either in Australia or New Zealand and will expire one (1) year from the date of the original retailsale.

If a warranty claim is made, this warranty will not apply if the Product is found by Uniden to be:

(A) Damaged or not maintained in a reasonable manner or as recommended in the relevant Uniden Owner's Manual;
(B) Modified, altered or used as part of any conversion kits, subassemblies or any configurations not sold by Uniden Aust;
(C) Improperly installed contrary to instructions contained in the relevant Owner's Manual
(D) Repaired by someone other than an authorized Uniden Repair Agentin relation to a defect or malfunction covered by this warranty; or
(E) Used in conjunction with any equipment, parts or a system not manufactured by Uniden.

Parts Covered: This warranty covers the Product and included accessories.

User-generated Data: This warranty does not cover any claimed loss ofor damage to user-generated data (including but without limitation phone numbers, addresses and images) that may be stored on your Product.

WARNING

Statement of Remedy: If the Product is found not to conform to this warranty as stated above, the Warrantor, at its discretion, will either repair the defect or replace the Product without any charge for parts or service. This warranty doesnot include any reimbursement or payment of any consequential damages claimed to arise from a Product's failure to comply with the warranty.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail tobe of acceptable quality and the failure does not amount to a major failure.

This warranty is in addition to and sits alongside your rights under either the COMPETITION AND CONSUMER ACT 2010 (Australia) or the CONSUMER GUARANTEES ACT (New Zealand) as the case may be, none of which can be excluded.

Procedure for obtaining warranty service: Depending on the country in which the Product was first purchased, if you believe that your Product doesnot conform with this warranty, you should deliver the Product, together with satisfactory evidence of your original purchase (such as a legible copy of the sales docket) to Uniden at the addresses shown below.

You should contact Uniden regarding any compensation that may be payable for your expenses incurred in making a warranty claim. Prior to delivery, we recommend that you make a backup copy of any phone numbers, images or other data stored on your Product, in case it is lost or damaged during warranty service.

UNIDEN AUSTRALIA PTY LTD

Service Division

73 Alfred Road,

Chipping Norton, NSW 2170

Phone: 1300 366 895

Email: custservice@uniden.com.au

THANK YOU FOR BUYING A UNIDEN PRODUCT.

Uniden®