Uniden®

UH45 Series
UHF CB Transceiver
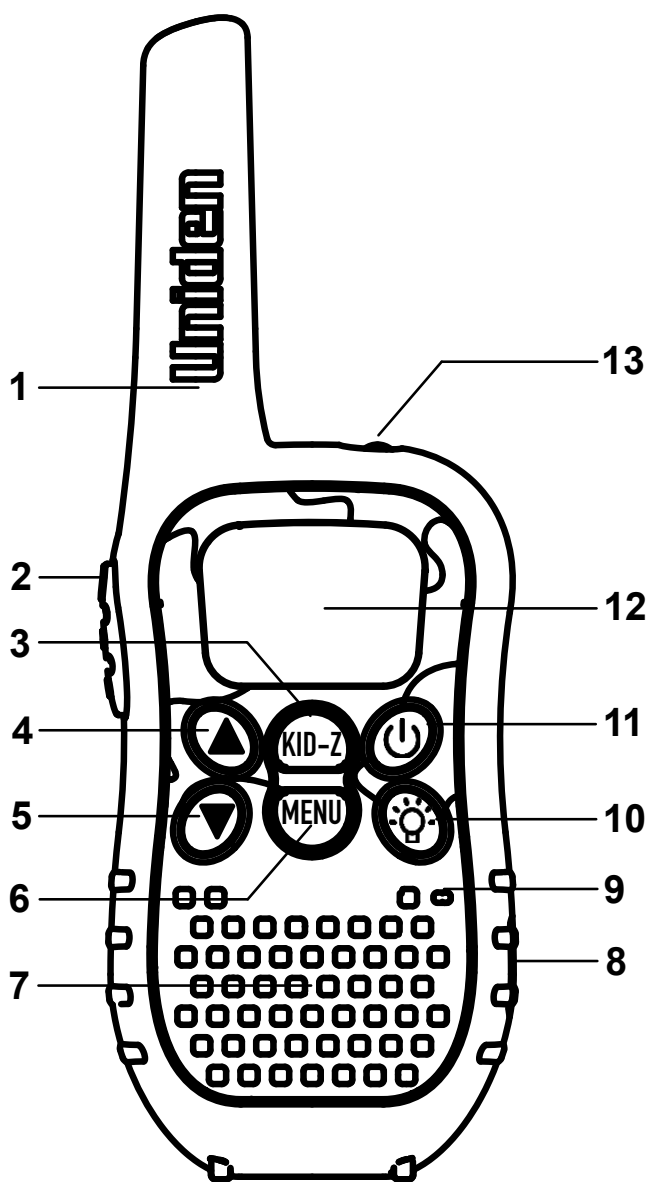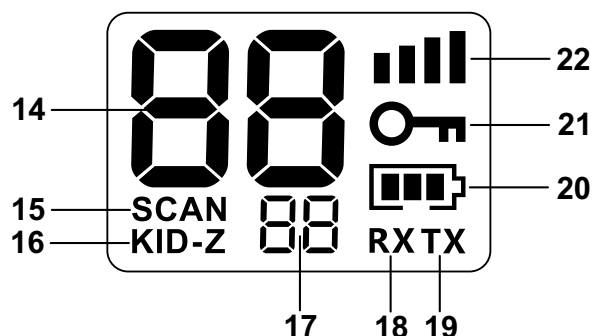
OWNER'S MANUAL

Controls & Indicators

Included in your Package

- UH45 Series Radio
- Operating Guide
- Belt Clips
- Micro USB cable

1   Antenna
2   PTT (Push-To-Talk) Button
3   KID-Z Key
4   Volume up/Scan Key
5   Volume down/Monitor Key
6   Menu/Keylock Key
7   Speaker
8   Micro USB Charging Port^
9   Microphone
10   Torchlight Key
11   Power On/Off Key/Call Key
12   LCD Display
13   LED Torchlight
14   Channel Indicator
15   Scanning Indicator
16   Kid Zone Indicator
17   CTCSS Indicator
18   Receive Indicator
19   Transmit Indicator
20   Battery Indicator
21   Keypad Lock Indicator
22   Volume Indicator

^   Requires 3 AAA rechargeable batteries (NiMH recommended to use this feature.

Getting Started

Battery Installation

Your UH45 Series radio uses 3 AAA batteries for power.
Use only good quality batteries for maximum life and range.
Note: Batteries are not supplied.

⚠ **NOTE**

BATTERY WARNING
To prevent the batteries from running down, remove them from the radio if the UH45 Series will not be used for long periods.
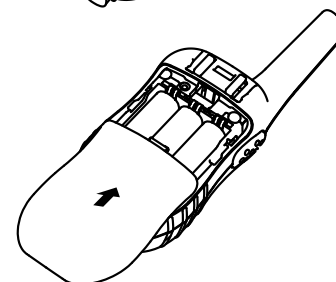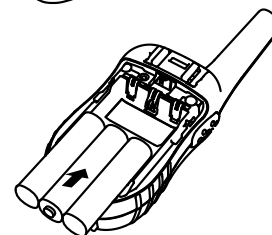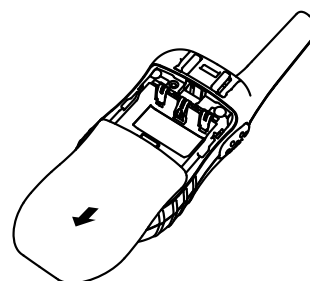
⚠ **NOTE**

The unit can also be powered with optional 3 AAA rechargeable batteries (NiMH recommended).

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

1. Make sure your radio is switched off.

2. Remove the battery cover.

3. Insert 3 AAA batteries according to the polarity symbols inside the battery compartment.
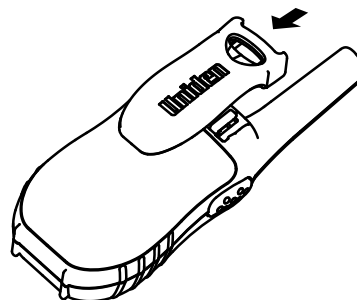
4. Replace the battery cover.

Getting Started
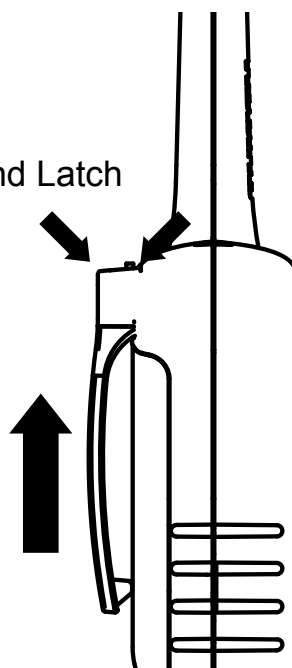
Belt Clip

To attach the belt clip:
Slide the belt clip until it snaps into place.

To remove the belt clip:
To remove the belt clip. Pinch and hold belt clip and latch (see arrows indicated) and slide the belt clip in the direction shown.

Pinch Belt Clip and Latch

User License Information

Getting Started

## Charging Rechargeable Battery

⚠️ **!**

NOTE   Do not charge alkaline or non rechargeable batteries.

Plug one end of the micro USB cable into the UH45 radio and the other end to the AC adaptor (not included). Plug the AC adaptor into the wall outlet.

• Before operating the radio, charge the rechargeable batteries for 16 hours without interruption.

• Do not transmit when the radio is charging.
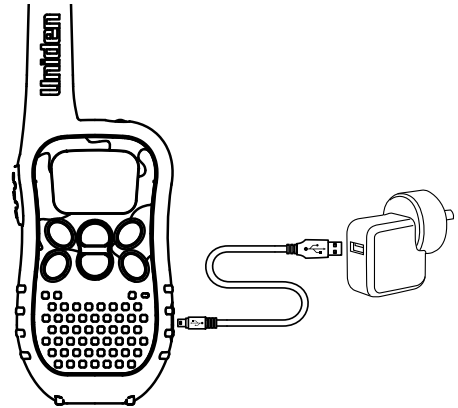
Low Battery Alert

If the battery level becomes low, the unit will go into a Battery Low Mode. The Transmit Mode is disabled. Replace the batteries immediately to continue using the radio.

Power Save

Your UH45 Series has a unique circuit designed to dramatically extend the life of the batteries. If there is no transmission nor an incoming call within 5 seconds, your Radio switches to the Power Save mode. The Radio is still able to receive transmissions in this mode.

Back Light

The UH45 has an automatic display back light which remains on for 5 seconds after a key press (all keys except **PTT,** ⏻ & ☀ key). The back light will work even if the keypad is locked but will not work during low battery alert mode.

Operation

Power On/Off

Press and hold ⏻ to turn the Radio **ON**.
The channel number will appear on the display.

Press and hold ⏻ to turn the Radio **OFF**.
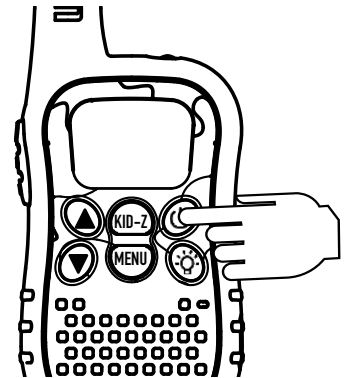
Volume

The volume level can be adjusted from ▮ (min
volume) to ▮▮▮▮ (maximum volume). Press ▲ or ▼
key to increase or decrease
the volume level.
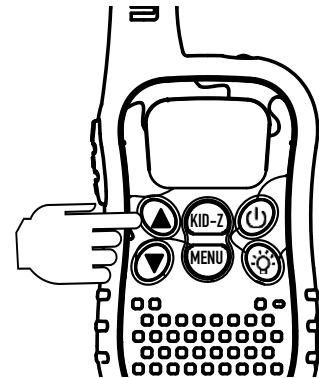
KID-ZONE

Press and hold **KID-Z** key for 3 seconds to
deactivate/activate preset CTCSS 10.
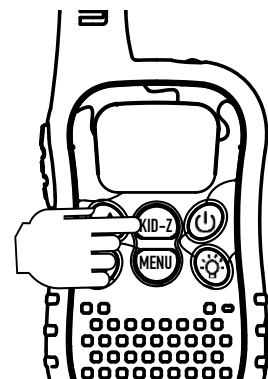
Operation

Keypad Lock

To prevent accidental entries, you can lock the keypad. Press and hold **MENU** key for 3 seconds until it beeps to activate Key Lock. The ⚷ appears.

To unlock the keypad, press and hold **MENU** key again for 3 seconds. The ⚷ disappears.
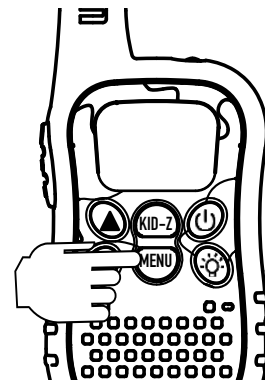
Torchlight

Press and hold 💡 key for and the torchlight will be switched on. When the 💡 key is released, the torchlight will be switched off.

The torchlight can be switched on or switched off even the UH45 is not switched on.
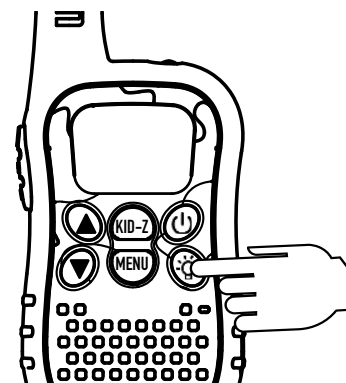
Selecting a Channel

Press **MENU** key once, then press ▲ or ▼ key to select the desired channel.
Press **PTT** to save and exit or **MENU** to move on to the next menu item.
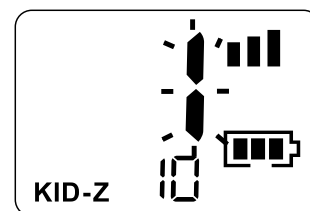
Operation

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** twice. **CTCSS** setting flashes.
3. Press ▲ or ▼ to change the selection.
4. Press **PTT** to save and exit or **MENU** to move on to the next menu item.
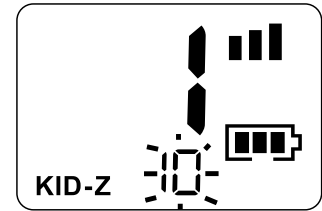
Call Tone

The UH45 is equipped with 10 selectable call tones that will be transmitted when ⏻ is pressed.

1. Press **MENU** three times. **CA** setting flashes.
2. Press ▲ or ▼ to change the selection.
   A sample of the call tone is sounded when selected.
3. Press **PTT** to save and exit or **MENU** to move on to the next menu item.
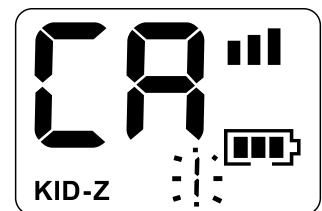
Key Beep Tone

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** four times. **to** setting flashes.
2. Press ▲ or ▼ to change the change the setting on or off.
3. Press **PTT** to save and exit or **MENU** to move on to the next menu item.

Roger Beep

Roger Beep is a BEEP that is sent to notify the end of transmission. Roger Beep can be heard through the speaker when the 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.
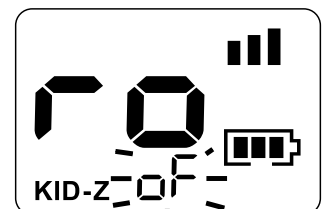
Operation

1. Press **MENU** five times. **ro** setting flashes.
2. Press ▲ or ▼ to change the change the setting on or off.
3. Press **PTT** to save and exit or **MENU** to move on to the next menu item.

To Operate in Duplex Mode (Repeaters)

The Duplex function enables you to access local repeater stations. You can only activate Duplex from CH01-CH08 and CH41-CH48. 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.

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

Operation With the Aid of a Repeater

Repeater Station
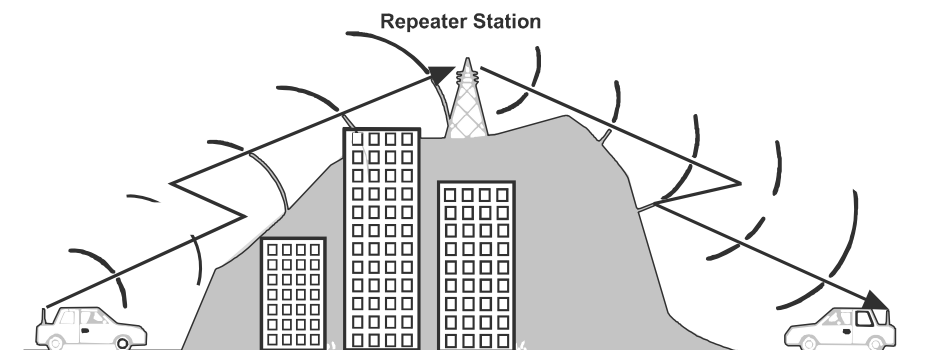
Eg. CH01 is being used in your area for repeater use.
1. Press **MENU** six times. **rP** setting flashes.
2. Press ▲ or ▼ to change the change the setting on or off.
3. Press **PTT** to save and exit or **MENU** to move on to the next menu item.
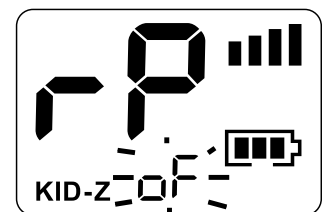
Operation

To Transmit and Receive

The UH45 Series uses the UHF-CB Channels. Refer to page 12 for UHF channel usage. (Channels 22 and 23 are for telemetry and telecommand applications. Transmit is inhibited on these channels).

PTT switch

1. The transmit power of the UH45 Series is 500mW which will provide a range of up to 3+Km.

2. Before you transmit, listen for activity on the selected channel.

3. When the channel is clear, press and hold the **PTT** to transmit. **TX** appears on the LCD.
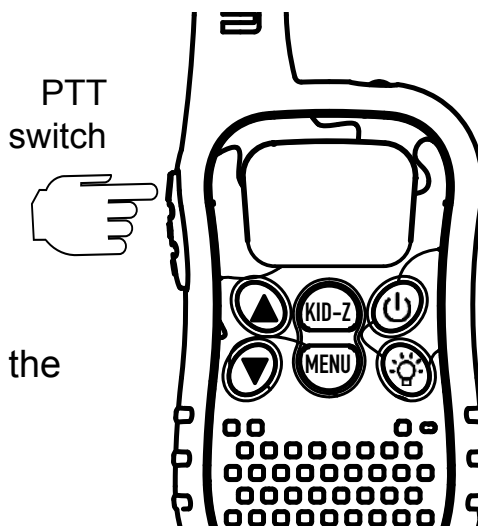
Hold the radio with microphone approximately 5 cm in front of your mouth with the antenna at approximately 45°angle away from your head. Speak in a clear, normal conversational voice.

4. When you have finished speaking release the **PTT**. **TX** then disappears on the LCD. Listen for a response.

! **NOTE** For maximum range and extended the life of the batteries, **avoid touching the antenna** with your hand when transmitting.

Operation

Range

Maximum Range
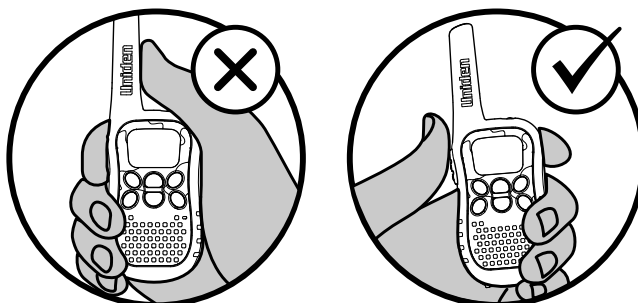
Reduced Range
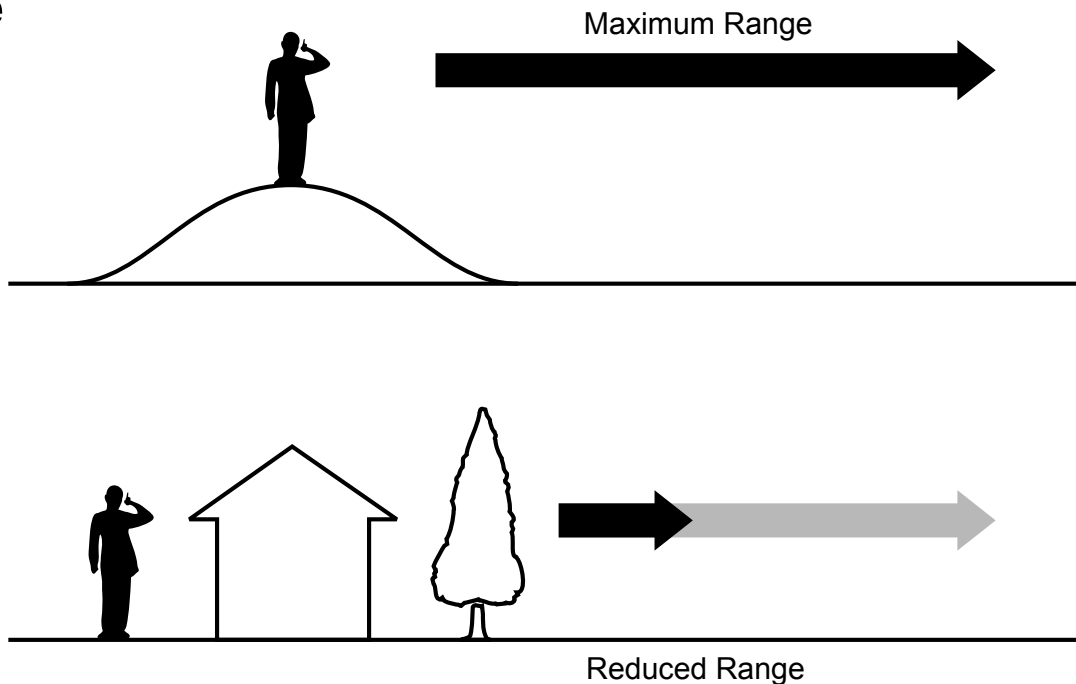
Automatic Squelch Feature

The UH45 Series is equipped with an Automatic Squelch system which mutes the audio in the presence of weak transmissions and unwanted noise.

Scanning

The scan function scans all channels and stops at an active channel. When the signal stops, the UH45 Series waits 2 seconds (Drop-Out Delay) before scanning resumes.

To initiate scanning
1. Assuming the unit is on CH1 when switched on.
2. Press and hold ▲ key for 3 seconds and scanning starts
3. Press **MENU** or **PTT** to cancel scanning.

> ⚠️ **NOTE**
>
> If Channel ▲ or ▼ is pressed while the unit is paused on a channel, scanning will be resumed.

Operation

Drop Out Delay

While scanning, the UH45 Series stops at a busy channel and receives a transmission. When the received signal is over, the unit will wait for 2 seconds for the return of the signal, otherwise, the radio resumes scanning.

Monitor

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

To use monitor

- Press and hold ▼ key for 3 seconds or more. When Monitor is on you will hear noise if there is no signal and **RX** appears on the LCD.

- When the ▼ key is released, the monitor function will be switched off.
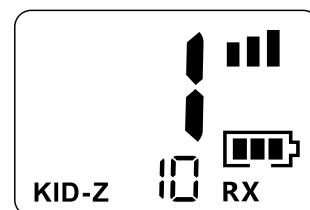
UHF Channels and Frequencies

NOTE

Always listen on a channel (or observe the receive signal level meter) to ensure it is not already being used before transmitting.

Channels 5 and 35 are used for emergency channels.
CTCSS 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 MBIE 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 adjusts their radio volume for best performance.

The above situations are not a fault of the radio but a symptom of mixed wideband and narrowband radios in current use. It is expected that as older wideband radios are phased out this issue will be eliminated.

Warranty

UNIDEN UH45 Series UHF CB Transceiver

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 UH45 Series ("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 retail sale.

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 Agent in 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 of or damage to user-generated data (including but without limitation phone numbers, addresses and images) that may be stored on your Product.

Warranty

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 does not 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 to be 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 does not 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 address 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
Phone: 1300 366 895
Email: custservice@uniden.com.au

THANK YOU FOR BUYING A UNIDEN PRODUCT.

Uniden®