

# UH-044 Operating Guide



# Uniden

## WARNING!

- Do not operate the transmitter of any radio equipment unless all the Radio Frequency (RF) connectors are secured and any open connectors are properly terminated.
- Do not operate the transmitter of any radio equipment near electrical blasting caps or in an explosive atmosphere.
- Do not let children operate any transmitter-equipped radio equipment unless supervised.
- Have your radio equipment serviced by a qualified Uniden technician.
- Do not operate the transmitter of any radio equipment with the antenna touching or close to the eyes, face, or exposed body parts.



*The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.*

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# INTRODUCTION

The **UH-044** is a portable two-way UHF-CB radio. It is compact, rugged and fits easily in your hand. This hand held UHF radio will give you consistent, outstanding performance in virtually all conditions and situations. To ensure that you get the most from the **UH-044**'s features, please read this operating guide carefully before using the unit.

## FEATURES

- 40 Channels
- Switchable Output Power 2w/0.5w/0.04w
- Up to 8 km range\*
- LCD Display
- Group Scan with Priority Channel Watch
- Open Scan
- Duplex Capability
- Monitor
- LCD Back Light (Auto On for 5 Sec)
- Auto Power Save
- Battery Level Indicator
- Keypad Lock
- Key Touch Tone On/Off
- Auto Squelch Control

*\*Range varies depending on the environment. 8km range is noted in a flat open environment.*

## TECHNICAL SUPPORT AND SERVICE

Should you find it desirable or necessary to service your **UH-044**, we suggest you contact the Uniden dealer where you purchase your radio. Your dealer will be able to assist you with the complete service information.

If you require service that is within the terms of your warranty, you should present a copy of your receipt to your dealer to authenticate your claim.

If you find it inconvenient to obtain service assistance from a dealer, please pack your radio in a suitable packaging that will provide adequate protection to your radio. Enclose a note describing the problem, a copy of your receipt, and send it prepaid to:

### AUSTRALIA:

Uniden Australia Pty Ltd  
Customer Service Division  
345 Princes Highway  
Rockdale NSW 2216  
Ph. (02) 9599-3355  
Fax. (02) 9599-3278  
Toll Free 1300 366 895

### NEW ZEALAND:

Uniden New Zealand Ltd  
Customer Service Division  
150 Harris Road  
East Tamaki, Auckland  
Ph. (09) 273 8383  
Fax. (09) 274 4253  
Toll Free 0800 4 UNIDEN  
4 864336

**Caution:** *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, can void your warranty and authority to operate this product.*

## INCLUDED IN YOUR UH-044 PACKAGE



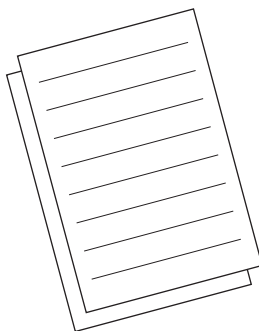
**UH-044**



**Wrist Strap**



**Operating Guide**



**Printed Materials**

*Note: If any of these items are missing from the box, contact your Uniden Dealer.*

# GETTING STARTED

## BATTERY INSTALLATION

Your UH044 radio uses 3 AA ALKALINE batteries for power.

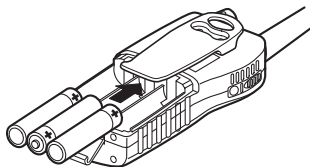
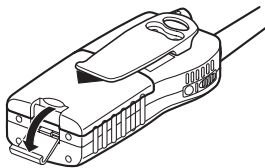
Please refer to page 15 should you wish to use rechargeable batteries.

To install the batteries:



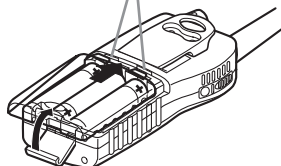
*Do not mix old and new batteries to avoid damage to the unit.*

1. Make sure your radio is off.
2. Release the battery cover clip, then remove the battery cover.
3. Insert 3 AA ALKALINE batteries according to the polarity symbols inside the battery compartment.



4. Align the battery cover tabs with the UH044 tab holes then replace the cover.

Tab holes



*Note: Batteries are not supplied*

## LOW BATTERY ALERT

The LCD on your radio shows a battery meter in the lower right corner.

■ ■ ■ ■ icon indicates a fully powered unit. As the batteries lose power,

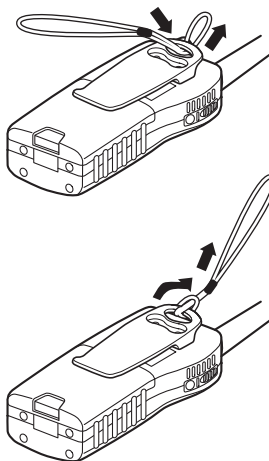
⚡ will flash.

When the batteries in the unit are low, the unit will go into a Battery Low Mode. The Transmit Mode is disabled. Replace the batteries immediately to continue using the radio.



## WRIST STRAP

1. Insert short end of the strap through the belt clip hole.
2. Slip the long end through the loop to enclose the clip in the strap and pull tight.





## OPERATION

- See the Controls and Indicators page at the back of this operating guide for button and key operations.
- When you press any key (except PTT), a short tone sounds.

### POWER ON/OFF


To turn the unit **ON**, rotate the **[ON/OFF VOLUME]** clockwise until a “click” is heard. A channel number and battery level should appear on the display.

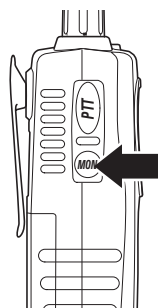


To turn the unit **OFF**, rotate the **[ON/OFF VOLUME]** knob counter-clockwise until a “click” is heard. The display will disappear.





### VOLUME

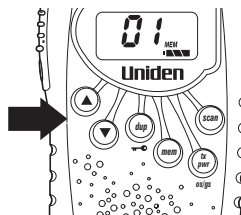
1. Press **(MON)** to hear background noise. The “BUSY” icon () will appear on the display.
2. Turn the **[ON/OFF VOLUME]** control clockwise to increase the volume, counter-clockwise to decrease the volume.



## SELECTING CHANNEL



Press  or  to select the desired channel.

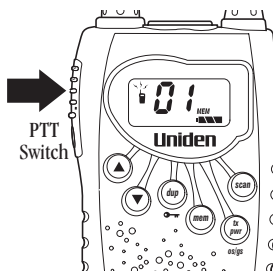
*Note: If you press and hold the  or , channel numbers will scroll rapidly.*





## TO TRANSMIT AND RECEIVE

The UH-044 uses the 40 UHF-CB Channels. For your reference a list of the available channels and corresponding frequencies is printed on page 16.

1. The maximum RF transmit power of **UH-044** is 2 Watts.
2. Before you transmit, listen for activity on the selected channel.
3. When the channel is clear, press and hold the  to transmit.  appears on the LCD.




*Hold the radio with microphone approximately two inches 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  and listen for a response.  then disappears on the LCD.

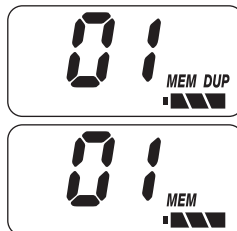


## TO OPERATE IN DUPLEX MODE

Eg. CH01 is being used in your area for repeater use.




Press  momentarily. The **DUP** icon appears.

Press  again to deactivate the duplex operation. **UH-044** will return to simplex operation.



## TRANSMIT POWER SELECT

The UH044 has three transmit power levels: 2 watt, 0.5 watt and 0.04 watts. To change your transmit power level:

1. Press  while in the 'power middle level' to change to 'power high level.'
2. Press  while in the 'power high level' to change to the 'power low level.'
3. Press  while in the 'power low level' to change to 'power middle level.'



**TX Power Low**



**TX Power Middle**



**TX Power High**




Transmitting on a higher level will use more Battery power but will enable you to transmit further for a shorter period of time.

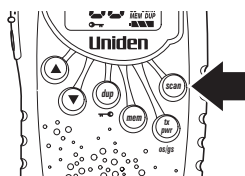
## SCANNING

The **UH-044** has two types of scanning; Open Scanning (OS) and Group Scanning (GS), giving you flexibility and allowing you to use the radio more effectively.

Scanning allows you to search 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 scanning starts. Scan icon flashes during scanning.



- 1. Open Scan (OS) Mode** (the absence of GS icon indicates that the unit is on 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 40 UHF channels into the Open Scan channel memory. However, you can change or customise the channels by following the steps on programming Scan Channels on page 11.*

### **Example. CH40 becomes active**

If the received signal cease, the unit will wait for at least 3 seconds for the signal to return, otherwise scanning resumes.

To skip the active channel, press (mem) momentarily. Scanning resumes.

To deactivate SCAN, press the (scan) or (PTT).

*Note:*

1. If SCAN is deactivated while in an active channel, the UH-044 will stay on that active channel. If no other channels are active, the UH-044 will reinstate the starting channel.
2. If OS Scanning is initiated when there are no channels programmed in OS memory, an error tone will be heard and scanning will not start.
3. Press and hold (to pwr os/g) will switch to Group Scanning.

### **2. Group Scan (GS) Mode**

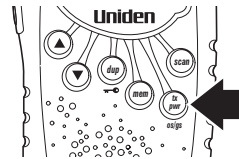
To use GS Mode Scanning, press and hold the (to pwr os/g) key. **GS** icon appears on the display.

1. When (scan) SW is pressed during Group Scan Mode, **SCAN** icon will blink and Group Scan Scanning begins.

2. To deactivate GS scan, press (scan) or (PTT).

*Note:*

1. If SCAN is deactivated while it is tuned to an active channel, the UH-044 will stay on that active channel. If none of the channels are active, the UH-044 will reinstate the Priority channel.
2. If GS Scanning is initiated when there are no channels programmed in GS memory, an error tone will be heard and scanning will not start.
3. Press and hold (to pwr os/g) will switch to Open Scanning.



## PRIORITY CHANNEL


The *Priority Channel* feature allows user to monitor one of 40 channels in the **UH-044**, monitoring it every 1.5secs during *Group Scanning*.

### Choosing a *Priority Channel*

The starting channel, when *Group Scanning* is initiated, is always the *Priority Channel*. To change the priority channel setting while scanning, (eg. PRI Channel is CH17 (476.825 MHz))

a. press , to select a higher channel (scanning pauses).

or





b. press , to select a lower channel (scanning pauses).

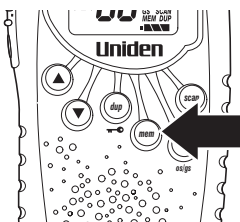
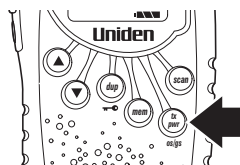


## Programming Scan Channels

1. Select which Scanning Mode you wish to use on the channel OS or GS Mode.

*Note: OS is indicated by the absence of the GS icon*

2. Select the channel you want to store by pressing  or .
3. Press  to store. **MEM** icon appears.
4. To remove the channel from Memory, press  to remove. **MEM** icon disappears.

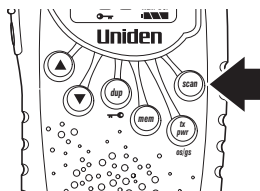



## DROP-OUT DELAY

While scanning, the **UH-044** stops at a busy channel and receives a transmission. When the received signal is over, the unit will wait for 3 seconds for the return of the signal, otherwise, the radio resumes scanning.

## KEYPAD CONFIRMATION 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 and hold  button for 1 sec “bp on” will appear for 1.5 secs and you will hear a beep sound.



2. Press and hold  button for 1 sec “bp of” will appear for 1.5 secs.



## POWER SAVE

Battery Save feature extends the battery life by switching the receiver circuit power ON and OFF. This feature automatically activates during stand by mode (RX mode without signal). It turns OFF automatically when a signal is present, and activates again after channel inactivity.



## BACK LIGHTING

The Liquid Crystal Display (LCD) is backlit for easy viewing at night or in low light situations. The back lighting automatically switches ON every time a key (except PTT) is pressed. It turns OFF 5secs after the last key is pressed.

## KEYPAD LOCK

To prevent accidental entries, you can lock the keypad.

Press and hold the  button for 1.5 Secs until it beeps to activate Key Lock.  icon appears.

To unlock the keypad, press and hold the  button again for 1.5 Secs.  icon disappears.











*Note: When the Key Lock is active, a warning beep will be heard if you attempt to press the keys.*

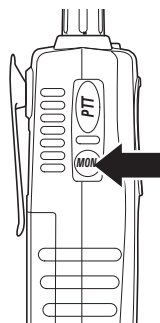
## MONITOR

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




**To use monitor,**

- For brief listening, press .
- For continuous listening. Press and hold  for 2 sec. A two tone beep will be heard and the receiver circuit will stay open, letting in both the noise & weak signals.
- Display shows  icons.
- To return to normal receive mode press , , ,  or .





# BATTERY LEVEL DISPLAY

The  icon in the bottom right hand corner of the screen indicates the *UH-044* current battery voltage level at all times. The battery level is displayed in 3 levels:

**LEVEL 3**  
Battery 100% full



**LEVEL 2**  
Battery approx  
70% capacity




**LEVEL 1**  
Battery approx  
30% capacity



**Almost Empty**



**Note:**  
When  SW is pressed at  
Level Empty, battery icon and  
channel number will flash

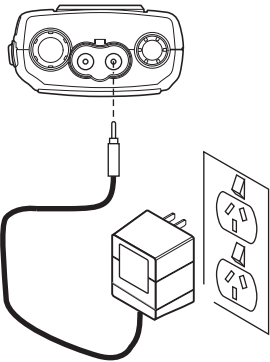


# CHARGING BATTERIES

**Warning Notice!** Use only the AAD040S optional power adaptor if rechargeable batteries will be used in the UH044.

- Turn the UH044 **[ON/OFF VOLUME]** knob off and connect the AC adaptor plug to the mic jack.
- Battery charging times vary. A longer time is required to charge higher capacity batteries.

Rechargeable Batteries	Charging Time
600mAH Ni-Cad	14-16 hrs
1000mAH Ni-Cad	24-27 hrs
1300mAH Ni-MH	31-35 hrs



- Disconnect the AC adaptor from the unit when charging is completed.

# BATTERY LIFE

Battery Type	Transmit Level	Battery Life
Alkaline	TX High	15 Hours
	TX Mid	25 Hours
	TX Low	42 Hours
NiCAD (600mA)	TX High	8 Hours
	TX Mid	10 Hours
	TX Low	15 Hours
NiMH (1700mA)	TX High	11 Hours
	TX Mid	18 Hours
	TX Low	35 Hours

## UHF CHANNELS & FREQUENCIES

Ch.	Freq.	Usage	Ch.	Freq.	Usage
01	476.425	Simplex/Duplex	21	476.925	Simplex
02	476.450	Simplex/Duplex	22	476.950	Simplex
03	476.475	Simplex/Duplex	23	476.975	Simplex
04	476.500	Simplex/Duplex	24	477.000	Simplex
05	*476.525	Simplex/Duplex	25	477.025	Simplex
06	476.550	Simplex/Duplex	26	477.050	Simplex
07	476.575	Simplex/Duplex	27	477.075	Simplex
08	476.600	Simplex/Duplex	28	477.100	Simplex
09	476.625	Repeater	29	477.125	Simplex
10	476.650	Repeater	30	477.150	Simplex
11	#476.675	Back-up Emergency Channel	31	477.175	Simplex
12	476.700	Repeater	32	477.200	Simplex
13	476.725	Repeater	33	477.225	Simplex
14	476.750	Repeater	34	477.250	Simplex
15	476.775	Repeater	35	477.275	Simplex
16	476.800	Repeater	36	477.300	Simplex
17	476.825	Repeater	37	477.325	Simplex
18	476.850	Repeater	38	477.350	Simplex
19	476.875	Repeater	39	477.375	Simplex
20	476.900	Repeater	40	477.400	Simplex

\* Emergency calling for both simplex and duplex operation

*Please do not use this channel in non-emergency cases.*

# Back-up Emergency Channel

Channels 22 and 23 are used for Telemetry and Telecommand applications, voice communications are not permitted on these channels.

## OPTIONAL ACCESSORIES

- Speaker Microphone (SM-050)
- AC Adaptor (AAD-040S)
- Headset Microphone (HM-050)
- Earpiece/Microphone (EM-040)
- Cigarette Charger (CL-040)

## TECHNICAL SPECIFICATIONS

### General

Channels	Transmit 40 (with Duplex Channel Support) Receive 40
Oper. Temp.	0°C - +55°C
Antenna	Fixed
Microphone	Built-in Electret type
Display	Liquid Crystal Display
Speaker	36mm Round, 8Ω
Power Source	AA Size Battery x 3pcs
Size	(without antenna) 160(H) x 62(W) x 32(D)mm
Weight	150g (with Antenna & without Battery)
Battery Life at	<div> <div></div> <div>8 hrs (Ni-Cd Batteries)</div> </div>
5-5-90 Duty Cycle	
Hi transmit	
	11 hrs (Ni-MH Batteries)
	15 hrs (Alkaline Batteries)

### Transmitter

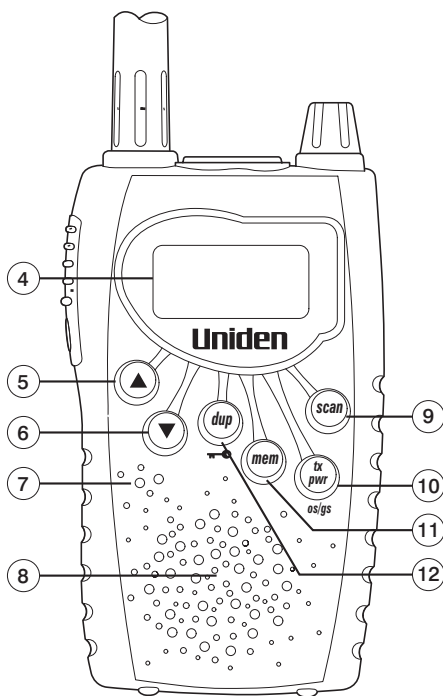
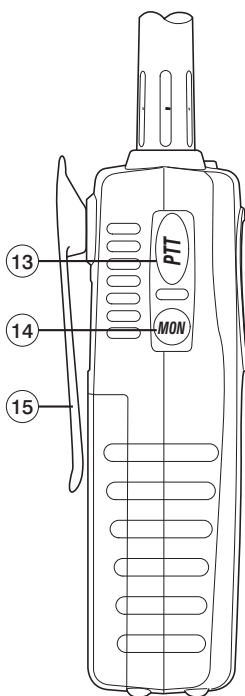
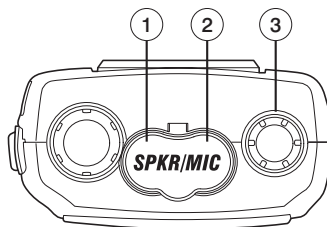
Frequency Control	Phase Locked Loop
Frequency Range	476.425 to 477.4 MHz
Frequency Stability	±3 ppm
Power Output	2W/0.5W/0.04W
Spurious Emissions	-40 dBm
Current Drain	950mA/500mA/280mA

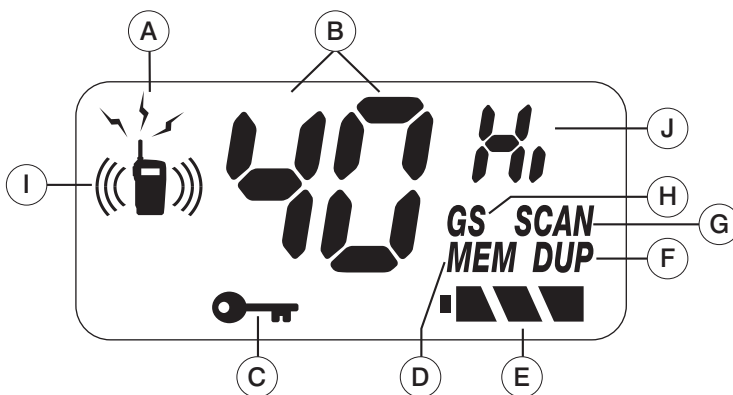
## Receiver

Receiver Type	Dual Conversion Super Heterodyne Phase Locked Loop System for Local Oscillator
Frequency Range	476.425 to 477.4. MHz
Sensitivity @ 12 db SINAD	0.22 $\mu$ V
Squelch Sensitivity	0.19 $\mu$ V(Threshold)
Audio Frequency Response	500Hz, 5db (ref: 1KHz, $\pm$ 1KHz Dev.)
Selectivity	2000Hz, -6dB
Hum & Noise	50dB
Audio Output Drain	37dB
Current Drain	0.15W (10% THD)
	150mA
	50mW output

*Specifications shown are typical and subject to change without notice.*

# CONTROL & INDICATORS





- |                            |                          |
|----------------------------|--------------------------|
| A. Transmit                | F. Duplex Transmit       |
| B. Channel Numbers         | G. Scanning              |
| C. Key Lock                | H. Group Scanning        |
| D. Memory                  | I. Receiving             |
| E. Battery Level Indicator | J. Power Level Indicator |

- 
- |                    |   |
|--------------------|---|
| 1. Speaker Jack    | 9. Scan Button                              |
| 2. Microphone Jack | 10. Transmit Power Select / open/group scan |
| 3. On/Off Volume   | 11. Memory On/Off Button                    |
| 4. LCD Display     | 12. Duplex On/Off Button                    |
| 5. Up Button       | 13. PTT (Push-to-talk) Button               |
| 6. Down Button     | 14. Monitor Switch                          |
| 7. Microphone      | 15. Belt Clip                               |
| 8. Speaker         |   |

# MEMO



# MEMO

# MEMO

# WARRANTY

## UNIDEN UH-044 UHF CB RADIO

### Limited One Year Warranty

*Note: Please keep your sales docket as it provides evidence of warranty.*

**Warrantor:** Uniden Australia Pty Limited ACN 001 865 498  
Uniden New Zealand Limited

**Elements of Warranty:** Uniden warrants to the original retail owner for the duration of this warranty, its UH-044 UHF CB Transceiver Radio (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 ONE (1) Year 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) Installed, programmed or serviced by anyone other than an authorised Uniden Repair Agent, or (G) Where the Serial Number label of the product has been removed or damaged beyond recognition.

**Parts Covered:** This warranty covers for 1 year, the UHF CB Transceiver Unit only. Accessories: Belt CLIP and Wrist Strap are covered for 90 days.

**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 and service. This warranty does not cover provide for the reimbursement or payment of incidental or consequential damages.

**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 prepaid, 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 Fax (02) 9599 3278 Toll Free 1300 366 895

#### UNIDEN NEW ZEALAND LTD

Service Division

150 Harris Road, East Tamaki, Auckland

Ph (09) 273 8383 Fax (09) 274 4253 Toll Free 0800 4UNIDEN  
4864336

Customers in other states should ship or deliver the Product freight pre-paid to the nearest Uniden Authorised Repair Centre. (Contact Uniden for the Warranty Agent nearest you.)



# Uniden

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