

oricom

UHF768 User Manual



Need Help?

If you need assistance setting up or using your Oricom product now or in the future, call Oricom Support.

Australia

(02) 4574 8888

www.oricom.com.au

Mon-Fri 8am – 6pm AEST

New Zealand

0800 67 42 66

www.oricom.co.nz

Mon-Fri 10am – 8pm NZST

When a narrowband radio receives a transmission from an older wideband radio the speech may sound loud and distorted – simply adjust your radio volume for the best listening performance. When an older wideband radio receives a signal from a new narrowband radio the speech may sound quieter - simply adjust your radio volume for best listening performance. When operating a narrowband radio or Channel 41 - 80 interference is possible from wideband radios transmitting on high power or on adjacent frequency.

The issues described above **are not a fault of the radio** but a consequence of mixed use of wideband and narrowband radios.

Note: Channels 5 and 35 are for emergency use only and CTCSS tones are not to be used on these channels.

Channels 22 and 23 cannot be used for voice transmissions and are inhibited by the UHF768.

Channels 1-8, 31-38, 41-48, 71-78 are not to be used to communicate with another CB radio within range of a repeater station.

Channels 61-63 are reserved for future use and inhibited by the UHF768.

Authorised channels can be found in the ACMA CB radio class licence.



This unit complies with all relevant Australian and New Zealand approval requirements: AS/NZS 4365:2011, ACMA Radiocommunications Equipment (General) Rules 2021, EN62209-2.

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Safety Information and Warnings

Information on Safe Operation

Read This Information Before Using Your Oricom Radio.

The operation of your UHF radio in Australia and New Zealand is subject to conditions in the following licenses:

In Australia, the ACMA Radio communications (Citizen Band Radio Stations) and in New Zealand by MED the General User Radio License for Citizen Band Radio.

Radio Antenna

Do not use any radio that has a damaged antenna. If a damaged antenna comes in contact with the skin, a minor burn may result. Unauthorized antennas, modifications, or attachments could damage the radio and violate compliance. Do NOT change or modify the antenna.

Do NOT hold the antenna when the radio is "IN USE." Holding the antenna reduces range and may cause bodily harm.

Safety and general use whilst in a vehicle

Check the State and Federal laws and regulations regarding the use of two way radios in the area where you drive, and always obey them.

For Vehicles fitted with Air Bags

Do not place your radio in the area over an air bag or in the air bag deployment area. Air bags inflate with great force. If a radio is placed in the air bag deployment area and the air bag inflates, the radio may be propelled with great force and cause serious injury to the occupants of the vehicle.

Read all these Safety Warnings before you install batteries.

- Do not dispose of the batteries in a fire as they may explode.
- Exercise extreme care when handling batteries in order not to short the battery with conducting materials such as rings, bracelets and keys. The battery or conduction material may

overheat explode and or cause burns.

- Never replace batteries in a potentially explosive atmosphere (such as where gas is leaking) as contact sparking may occur while installing or removing the batteries and cause a fire or an explosion.
- Do not modify, cut, disassemble, crush, bend, puncture, heat or damage the batteries.
- If batteries leak, do not let the battery liquid touch skin or eyes. If this happens, immediately flush the affected areas with water, and seek medical assistance. Released electrolyte is corrosive and may cause damage to the eyes and skin. It may be toxic if swallowed.
- Do not immerse or expose the batteries to water or other liquids.
- Never use damaged batteries as they may explode.
- Remove batteries when they are no longer able to hold a charge and when the equipment will not be used for an extended period of time.
- Dispose of batteries according to local regulations, never in your household rubbish.

WARNING:

Risk of explosion if battery is replaced by an incorrect type.

Potentially Explosive Atmospheres

Turn your radio OFF when in any area with a potentially explosive atmosphere. Sparks in such areas could cause an explosion or fire resulting in injury or even death.

NOTE: Areas with potentially explosive atmospheres are often, but not always clearly marked. They include fueling areas such as below deck on boats; fuel or chemical transfer or storage facilities; areas where the air contains chemicals or particles, such as grain, dust, or metal powders; and any other area where you would normally be advised to turn off your vehicle engine.

Blasting Caps and Areas

To avoid possible interference with blasting operations, turn your radio OFF near electrical blasting caps or in a “blasting area” or in areas posted: “Turn off the two way radio.” Obey all signs and instructions.

Exposure to Radio Frequency Energy

Your Oricom two-way radio complies with the Australian Communications and Media Authority Radiocommunications Equipment (General) Rules 2021 referring to ARPANSA RPS-1 2021 and EN62209-2 2010.

To assure optimal radio performance and make sure human exposure to radio frequency electromagnetic energy is within the guidelines set out in the above standards always adhere to the following procedures.

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.

Transmitting 50% of the time, or less, is important because the radio generates measurable RF energy exposure only when transmitting (in terms of measuring standards compliance).

Always hold the radio approximately 5cm in front of your mouth with the antenna pointing away from your head.

Radio Operation and EME Exposure

Unauthorized antennas, modifications, or attachments could damage the radio and violate compliance.

Do NOT hold the antenna when the radio is “IN USE.” Holding the antenna reduces the effective range.

Do not use the radio if the antenna is damaged. If a damaged antenna makes contact with your skin, a minor burn can result. If you wear a radio on your body when transmitting, always fit the radio on the belt clip (supplied). Always ensure the radio and its antenna are at least 5cm from your body when transmitting.

Electromagnetic Interference/Compatibility

Nearly every electronic device is susceptible to electromagnetic interference (EMI). To avoid the possibility of electromagnetic interference and/or compatibility conflicts, turn off your radio in any location where posted notices instruct you to do so such as health care facilities.

Aircraft

When instructed to do so, turn off your radio when onboard an aircraft. Any use of a radio must be in accordance with applicable regulations per airline crew instructions.

Medical Devices - Pacemakers

The Advanced Medical Technology Association recommends that a minimum separation of 6 inches (15cm) be maintained between a handheld wireless radio and a pacemaker. These recommendations are consistent with the independent research by and recommendations of the U.S. Food and Drug Administration.

People with pacemakers should:

- ALWAYS keep the radio more than 15cm from their pacemaker when the radio is turned ON.
- Not carry the radio in the breast pocket.
- Use the ear opposite the pacemaker to minimize the potential for interference.
- Turn the radio OFF immediately if there is any reason to suspect that interference is taking place.

Medical Devices - Hearing Aids

Some radios may interfere with some hearing aids. In the event of such interference, you may want to consult your hearing aid

manufacturer to discuss alternatives.

Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device to determine if it is adequately shielded from RF energy. Your physician may be able to assist you in obtaining this information.

General warnings

Never use your radio outdoors during a thunderstorm.

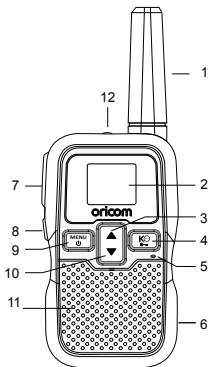
Keep the radio out of reach of babies and young children.

NOTE: Charging non rechargeable Alkaline batteries with this radio will cause damage to the radio and the batteries, this type of failure including battery leakage are not covered by our warranty.

PRECAUTIONS

- Avoid direct exposure to solar rays and/or heat.
- Do not operate the radio in hazardous environments, explosion or fire may result.
- Do not operate the radio in high humidity, dusty or an explosive environment.
- Clean by using a slightly dampened cloth. Do not use alcohol, solvents or abrasives etc.
- Do not attempt to modify the radio. The radio is designed to comply with Australian Specifications
- The LCD display is made of glass and maybe damaged if dropped or impacted.

OVERVIEW



1. Antenna
2. LCD display
3. Up Key
4. Kid Talk/ Key Lock button
5. Microphone
6. USB-C Socket
7. PTT (Push to Talk)
8. Torch On/Off button
9. Menu / Power On/Off
10. Down button
11. Speaker
12. LED Torch

LCD Display



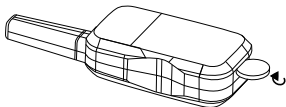
1. Channel number
2. Receive signal
3. Transmit signal
4. Key lock
5. Repeater
6. VOX enable
7. Battery level
8. CTCSS code
9. Volume level

PACK CONTENTS

- 2 x UHF768 Handheld Radios
- 1 x User Guide

BATTERY INSTALLATION

- Your UHF768 can be used with non rechargeable Alkaline batteries or rechargeable NiMH batteries (not supplied)
- Insert a coin in the battery door gap.
- Twist the coin to open the battery cover as shown in the picture below.
- Follow the polarity directions and insert 3 x AAA size Alkaline non-rechargeable or Ni-MH rechargeable batteries.
- Close the battery door as per instructions below:
 1. Insert the battery door at the top of the radio.
 2. Then, press down to close the battery door.



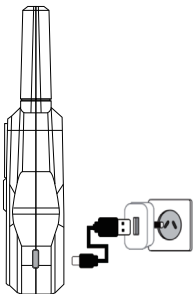
- Battery Low: When you hear a "Beep Beep" sound, it indicates the battery level is low. Please recharge the batteries.

WARNING: DO NOT ATTEMPT TO RECHARGE ALKALINE BATTERIES, THIS MAY DAMAGE THE RADIO.

CHARGING WITH USB-C CABLE (NOT SUPPLIED)

NOTE: Ni-MH BATTERIES ONLY

- Plug a USB-C power adapter with 5V, 1A or higher output into the USB-C connection on the radio and plug the other end into main power. **NOTE: do not recharge Alkaline batteries.**
- The battery icon will flash
- Charge time from flat to full requires about 8 ~ 10 hours.
- After charging, unplug the adaptor from the socket.



GENERAL OPERATION

1. POWER ON/OFF


- To power On the radio, press **MENU** Key for 2 seconds until a beep is heard and the LCD display turns on.

- To power Off the radio, press **MENU** key for 2 seconds until LCD display turns off.


2. COMMUNICATION

- The radio has 80 channels and 38 CTCSS codes. You can communicate with any other user who is using the same combinations, providing they are within range.

3. TRANSMITTING

- Press & hold the **PTT** key, LCD TX  icon illuminates indicating the radio is transmitting.
- Hold the radio in a vertical position with the microphone 3-5 cm from your mouth and then speak.
- When you finish speaking, release the **PTT** key and a beep tone will be heard.

4. RECEIVING

- The radio will automatically sound the received signal from other radios on the same channel with same CTCSS code and LCD shows the receiving icon .
- When you press the **PTT** key, you wont hear any transmissions. Make sure you do not press **PTT** key when listening.
- Adjust volume control as required.

5. ADJUSTING SPEAKER VOLUME (8 LEVELS)

- Press the Up key to increase the volume.
- Press the Down key to decrease the volume.

6. LED TORCH

Press "LED Torch" button to turn on the torch.
Press "LED Torch" button again to turn off.

7. MENU FLOW CHART

Press **MENU** key once to enter main channel selection, press **MENU** again for next function selection etc.

Main Screen → Main Channel → CTCSS → VOX → Key tone
→ Roger Beep → Main Screen

8. SELECT CHANNEL

To select the main channel

- Press the **MENU** key once, the channel number displayed will flash.
- Press Up or Down key to select your desired channel number.
- Press the PTT key to confirm and quit or press **MENU** to continue to next function setting.
- You have 13 seconds to decide before auto-reverting back to the main screen.

9. KID TALK

When the Kid Talk button is pressed CTCSS Code 10 is activated. Only transmissions on the same channel with CTCSS code 10 selected will be heard on your radio. Your transmissions are not private. Any users on the same channel without a CTCSS code selected will still hear your transmissions.

10. CTCSS CODE FUNCTION

This function allows you to select from 38 CTCSS codes to communicate with other users on the same setting. Only users with the same CTCSS code can listen and talk to each other. Please note that selecting a CTCSS code does not assure total privacy. In radio communication, any radio can listen to all communications on the same channel and CTCSS setting.

- Press the **MENU** key twice, CTCSS code display will flash.
- Press Up or Down key to select your desired CTCSS code from 01 to 38, 00 is OFF.
- Press the PTT key to confirm and quit or press **MENU** key to continue to the next function setting.
- When a CTCSS code is selected or Kid Talk button pressed the




display will show the code next to the Channel number on the display. Refer page 8 LCD Display Item 8. CTCSS cod.

11. VOX (Hands-Free Function)

The unit has a built-in Voice Activated Circuit (VOX) function. You can enjoy talking and listening without pressing PTT key.



- Press the MENU key 3 times, LCD display VOX icon and VOX sensitivity digit will flash.
- Press Up or Down key to select sensitivity level from “0F, 01, 02, 03” for “OFF, Low, Medium and High respectively.”
- After turning on the VOX function, LCD will display VOX icon. Press PTT to confirm and quit.
- Please speak close to the mic in order to activate VOX function.

12. Key Tone On/Off

- Press **MENU** key 4 times, LCD displays  (= Key tone On) or  (= Key tone Off)
- Press **Up** or **Down** key to toggle Key Tone On or Off
- LCD displays icon  when Key Tone is On. The icon is off when the Key Tone is Off
- Press PTT to confirm and quit or press **MENU** to continue to next function setting.

13. ROGER BEEP

The roger beep function enables a short tone signal which is transmitted after releasing the PTT button.

- Press **MENU** key 5 times, LCD displays  icon (=Roger Beep On) or  (=Roger Beep Off)
- Press **Up** or **Down** key to toggle Roger Beep On or Off.
- Press PTT to confirm and quit or press **MENU** to continue to next function setting.

14. SCAN

- Before you start scanning, please make sure the CTCSS code

is set to "00" first. *Note: If the CTCSS code setting is 01 to 38, the radio will not scan other channels with different CTCSS codes.*

- Press and hold **Up** or **Down** key for at least 3 seconds to start scanning function.
- LCD will display the channels being scanned.
- It will stop at the channel with a received signal for a while and then continue scanning.
- If you want to use this channel, press PTT to confirm and your radio will stop on this channel.

SPECIFICATIONS

Operation Frequency Range	:	476-477MHz
Channels	:	80
CTCSS Codes	:	38
RF Output Power	:	500mW e.r.p with 1.5V Alkaline batteries. 460mW with 1.2V Ni-MH batteries.
Operating Temperature	:	-10 ~ +50°C
Size W.H.D.	:	52 x 148 x 28mm
Weight	:	66 g w/o batteries
Power Supply	:	3 x 1.5V Alkaline batteries or 3 x 1.2V Ni-MH batteries (batteries not included)
USB-C	:	5V, at least 1A recommended

Default settings:

Channel 12

RPT: OFF

CTCSS 00

VOX: OFF

Volume level 3

Key Tone Off

Roger Beep Off

Only when Kid talk enabled CTCSS 10

Factory Reset

To reset radio back to factory settings

With the Radio off, press and hold the PTT button, press the Up button and then the MENU button to turn radio on in default state.

Disposal:

All electrical and electronic products including batteries should be disposed of separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.

Express Warranty (Australia)

This Express Warranty is provided by Oricom International Pty Ltd ABN 46 086 116 369, Unit 1, 4 Sovereign Place, South Windsor NSW 2756, herein after referred to as "Oricom".

Oricom products 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 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. Oricom warrants that the product is free from defects in materials or workmanship during the Express Warranty Period. This Express Warranty does not extend to any product from which the serial number has been removed or was purchased outside of Australia.

Nothing in this Express Warranty excludes, restricts or modifies any condition, warranty, guarantee, implied term, right or remedy pursuant to the Australian Consumer Law and which may not be so excluded, restricted or modified. For such conditions, terms, guarantees and warranties that cannot be excluded, restricted or modified, Oricom limits the remedies available to extent permitted in the relevant legislation.

The Express Warranty Period will be 3 years (excluding battery cells and rechargeable battery packs) from the date of purchase of the product evidenced by your dated sales receipt. You are required to provide proof of purchase as a condition of receiving Express Warranty services.

You are entitled to a replacement product or repair of the product at our discretion according to the terms and conditions of this document if your product is found to be faulty within the Express Warranty Period. This Express Warranty extends to the original

purchaser only and is not transferable.

Products distributed by Oricom are manufactured using new materials or new and used materials equivalent to new in performance and reliability. Spare parts may be new or equivalent to new. Spare parts are warranted to be free from defects in material or workmanship for thirty (30) days or for the remainder of the Express Warranty Period of the Oricom branded product in which they are installed, whichever is longer. During the Express Warranty Period, Oricom will where possible repair and if not replace the faulty product or part thereof. All component parts removed under this Express Warranty become the property of Oricom. In the unlikely event that your Oricom product has a recurring failure, Oricom may always, subject to the Competition and Consumer Act 2010, at its discretion, elect to provide you with a replacement product of its choosing that is at least equivalent to your product in performance.

No change to the conditions of this Express Warranty is valid unless it is made in writing and signed by an authorised representative of Oricom.

Oricom will not be liable under this Express Warranty, and to the extent permitted by law will not be liable for any defect, loss, damage or injury arising out of or in connection with a:

1. Failure by you to adhere to the warnings and follow the instructions set out in this user guide for the proper installation and use of the product;
2. Wilful misconduct or deliberate misuse by you of the product;
3. Any external cause beyond our control, including but not limited to power failure, lightning or over voltage; or
4. Modification to the product or services carried out on the product by anyone other than Oricom or Oricom's authorised service provider.

5. Damage to radio caused by charging of Alkaline batteries. Only Ni-MH batteries are to be charged via the USB-C connection.

How to make a claim under your Express Warranty in Australia

Oricom has a simple warranty process for you to follow:

- Please call or email our Customer Support Team, (02) 4574 8888 or support@oricom.com.au.
- A Customer Support Team member will verify after troubleshooting with you if your product qualifies under warranty. If so, they will give you a Product Return Authorisation number.
- We will then email or fax a Return Authorisation form and a Repair Notice (if necessary), together with instructions on how to return the goods for warranty service.

Please note that if a Customer Support Team member advises that your product does not qualify for return, this warranty does not apply to your product. Products that are authorised to be returned to Oricom in Australia must include all of the following:

- A completed Return Authorisation form
- A copy of your Proof of Purchase (please keep your original copy)
- The faulty product, including all accessories.

Send the approved returns to:

Oricom International Pty Ltd
Locked Bag 658
South Windsor NSW 2756 Australia

Please note that this Express Warranty excludes expenses incurred by you in returning any faulty product to us. You must

arrange and pay any expenses incurred (including postage, delivery, freight, transportation or insurance of the product) to return the faulty product to us, however, we will arrange delivery of the repaired or replaced faulty product to you.

Important Information

Repair Notice

Please be aware that the repair of your goods may result in the loss of any user generated data (such as stored telephone numbers, text messages and contact information). Please ensure that you have made a copy of any data saved on your goods before sending for repair. Please also be aware that goods presented for repair may be replaced by refurbished goods or parts of the same type rather than being repaired.

ORICOM CUSTOMER SUPPORT

Oricom have a trained and dedicated team of Customer Support Representatives, each with the knowledge and resources to assist in answering your questions quickly and efficiently.

Oricom Support - Australia

For all product enquiries, troubleshooting or to discuss the range of Oricom products, feel free to contact Oricom or visit our website for answers to frequently asked questions.

(02) 4574 8888

Monday - Friday 8am - 6pm AEST

Email: support@oricom.com.au

www.oricom.com.au

Oricom Support - New Zealand

0800 674 266

Monday - Friday 11am - 7pm NZST

Email: support@oricom.co.nz

The Oricom logo consists of the word "oricom" in a lowercase, bold, sans-serif font. The letter "o" is significantly larger than the other letters and is positioned to the left of the rest of the word.