

## UHF400R Quick Start Guide

For the full product user guide, please scan QR code or visit [www.oricom.com.au](http://www.oricom.com.au)



### Pack contents

- DIN Size UHF CB Radio Transceiver
- Heavy Duty Microphone
- Microphone mounting bracket
- Transceiver mounting bracket
- Pack of supplied mounting screws
- Quick Start User Guide

### Please read before installing or operating 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.

When a new 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.



This unit complies with all relevant Australian and New Zealand approval requirements AS/NZS 4365:2011

### Need help? Contact Oricom Support

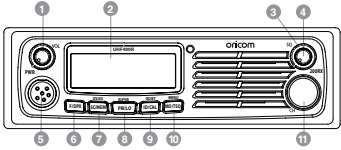
If you need assistance setting up or using your Oricom product now or in the future, call Oricom Support.

Australia (02) 4574 8888  
[www.oricom.com.au](http://www.oricom.com.au)  
Mon-Fri 8am – 6pm AEST

New Zealand 0800 67 42 66  
Mon-Fri 10am – 8pm NZST

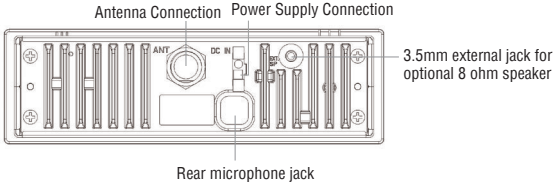
# Controls and Indicators

## Front View



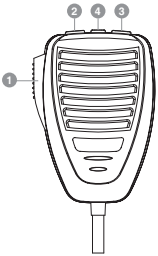
- |                                                                    |                                                                        |
|--------------------------------------------------------------------|------------------------------------------------------------------------|
| 1. Rotary On / Off Switch and Volume Control                       | 7. Open Scan, Memory On/Off, Priority Scan & I2                        |
| 2. LCD Display                                                     | 8. Primary channel On/Off, Key Lock On/Off, Alpha-numeric display & I3 |
| 3. Rotary squelch control                                          | 9. ID Setting, 5 Tone Selcall, Quiet & I4                              |
| 4. 200 RX Channel RX Selector switch                               | 10. Monitor, TSQ On/Off, Menu & I5                                     |
| 5. Microphone connector                                            | 11. Rotary Channel control                                             |
| 6. Function button by short push & Duplex On/Off by long push & I1 |                                                                        |

## Rear View

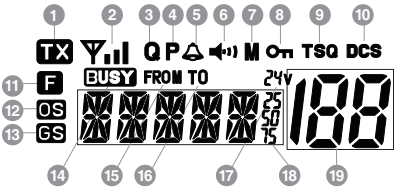


## Microphone

1. Push to talk switch (PTT)
2. Select Down
3. Select Up
4. Instant Channel



## LCD Icons & Indicators



- |                             |                                     |
|-----------------------------|-------------------------------------|
| 1. Transmitter Indicator    | 11. Function                        |
| 2. RX or TX Signal strength | 12. Open Scan                       |
| 3. Quiet mode               | 13. Priority Scan                   |
| 4. Priority On/Off          | 14. Channel Busy                    |
| 5. Call Alarm               | 15. Selective call Receiving "FROM" |
| 6. Monitor On/Off           | 16. Selective call Sending "TO"     |
| 7. Memory On/Off            | 17. 24V DC indicator                |
| 8. Key Lock                 | 18. Frequency display               |
| 9. 38 CTCSS Tone On/Off     | 19. Channel display                 |
| 10. DCS On/Off              |                                     |

## Warnings and Safety Information



### Potentially Explosive Atmosphere

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 fuelling 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 two way radios." Obey all signs and instructions.

### 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.



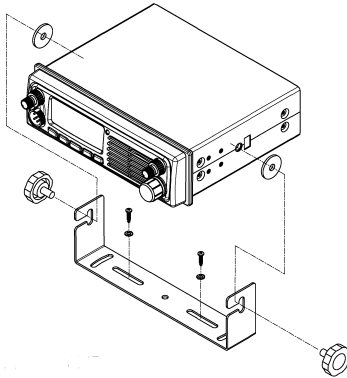
This radio is designed for operation on a 12 Volt battery system. It should not be connected directly to a 24 Volt system.

When installing your radio in your vehicle, check that during installation you do not damage any wiring or vehicle components that may be hidden around the mounting position.

Ensure the installation does not interfere with the operation of the vehicle and meets all regulatory and safety retirements for accessories fitted to your vehicle.

For optimum performance, your radio needs to be installed correctly. If you are unsure about how to install your radio, we suggest you have your radio professionally installed by a UHF specialist or Auto electrician. When installing the radio, avoid mounting it close to heaters or air conditioners. Never press the PTT button before connecting the antenna to the radio.

## Installation of Your Oricom Radio



## Wiring Methods

There are two possible wiring configurations for connecting to the vehicle's power supply.

### A. Radio stays ON when the ignition is switched OFF

Connect the radio's negative (black) lead to the vehicle chassis, or directly to the battery's negative terminal. Connect the radio's positive (red) lead via the 3 Amp fuse to the battery's positive terminal. Alternatively, the positive lead could be connected at the fuse box at a point that has DC Power continuously available (preferably the battery side of the ignition switch) via the 3 Amp fuse.

### B. Radio turns OFF with the ignition switch

Connect the radio's negative (black) lead to the vehicle's chassis, or directly to the battery's negative terminal.

The radio's positive (red) lead should connect to an accessory point in the vehicle's fuse box via the 3 Amp fuse.

## Antenna information

The antenna (not supplied) is of critical importance to maximise your output power and receiver sensitivity. A poorly installed, inferior quality antenna, or one not designed for the correct frequency band, will give poor performance. You should only purchase an antenna designed for the 477MHz frequency band.

## Antenna installation

To obtain maximum performance from the radio, select a high quality antenna and mount it in a good location.

**Never press the PTT before connecting an antenna to the radio.**

## Optional accessories

|        |                                                                                                                                                                                                                                                                                                                                                                 |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SPE85  | External speaker<br>If required, you may install an external (8 ohm, Minimum 5W power) speaker fitted with a 3.5mm plug (not supplied).<br>Depending on the installation, it may be necessary to use an external speaker (not supplied) to give improved volume and clarity. This can be plugged into the external speaker (SP) socket on the rear of the unit. |
| MMM100 | Magnetic microphone holder                                                                                                                                                                                                                                                                                                                                      |

## Quick Overview of Basic Controls

### Multi-Function buttons

To use the primary function (**F**, **SC**, **PRI**, **ID**, **MO**) press the required button.

To use the secondary function (**DPX**, **MEM**, **LO**, **CAL**, **TSQ**) press and hold the button for 2 seconds.

To use the third function (**OS/GS**, **ALPHA**, **QUIET**, **MENU**), press **F/DPX** and press the required button.

To use the fourth function push the 200RX button for 2 seconds and then select the required instant channel.

### Power ON / OFF

Rotate the power switch in a clockwise direction to turn the unit ON, adjust the volume to a comfortable level. Rotate the Power Switch counter clockwise until it clicks to turn off the power.

### Squelch

To adjust the level of squelch use the rotary **SQL** control. Turning the control counter clockwise reduces the amount of squelch, and turning clockwise will increase the amount of squelch. To reduce the signals that you can hear, increase the squelch, to hear more signals which may include weak signals decrease the squelch.

### To Select a Channel

To select a channel rotate the **CH** control clockwise or counter clockwise to the desired channel.

### PTT (Push-To-Talk) button

Before transmitting always listen on the channel to make sure it is not being used by another operator.

Select the desired channel. Press the PTT button on the microphone and speak normally into the microphone. Hold it approx. 7 cm from your mouth. Release the PTT button to end the transmission and listen for a reply.

### Factory Reset

If the radio's display locks up or stops functioning properly, you might need to reset your UHF radio.

Caution: this procedure clears all the information you have stored in your UHF radio.

Before you reset your UHF radio, try turning it off and on again.

If your UHF radio is still not functioning correctly you may need to reset the UHF radio.

While holding the Channel up button, turn the radio on, only LCD backlight will be on for 1 to 2 seconds.

The radio will then return to its original factory out condition.

## UHF CB channels and frequencies

| Channel |     | Tx       | Rx       | Channel |     | Tx       | Rx       |
|---------|-----|----------|----------|---------|-----|----------|----------|
|         |     | Freq     | Freq     |         |     | Freq     | Freq     |
|         |     | MHz      | MHz      |         |     | MHz      | MHz      |
| 01*     |     | 476.4250 | 476.4250 | 21      |     | 476.9250 | 476.9250 |
|         | 41* | -        | 476.4375 |         | 61‡ | —        | —        |
| 02*     |     | 476.4500 | 476.4500 | 22†     |     | 476.9500 | 476.9500 |
|         | 42* | -        | 476.4625 |         | 62‡ | —        | —        |
| 03*     |     | 476.4750 | 476.4750 | 23†     |     | 476.9750 | 476.9750 |
|         | 43* | -        | 476.4875 |         | 63‡ | —        | —        |
| 04*     |     | 476.5000 | 476.5000 | 24      |     | 477.0000 | 477.0000 |
|         | 44* | -        | 476.5125 |         | 64  | 477.0125 | 477.0125 |
| 05*     |     | 476.5250 | 476.5250 | 25      |     | 477.0250 | 477.0250 |
|         | 45* | -        | 476.5375 |         | 65  | 477.0375 | 477.0375 |
| 06*     |     | 476.5500 | 476.5500 | 26      |     | 477.0500 | 477.0500 |
|         | 46* | -        | 476.5625 |         | 66  | 477.0625 | 477.0625 |
| 07*     |     | 476.5750 | 476.5750 | 27      |     | 477.0750 | 477.0750 |
|         | 47* | -        | 476.5875 |         | 67  | 477.0875 | 477.0875 |
| 08*     |     | 476.6000 | 476.6000 | 28      |     | 477.1000 | 477.1000 |
|         | 48* | -        | 476.6125 |         | 68  | 477.1125 | 477.1125 |
| 9       |     | 476.6250 | 476.6250 | 29      |     | 477.1250 | 477.1250 |
|         | 49  | 476.6375 | 476.6375 |         | 69  | 477.1375 | 477.1375 |
| 10      |     | 476.6500 | 476.6500 | 30      |     | 477.1500 | 477.1500 |
|         | 50  | 476.6625 | 476.6625 |         | 70  | 477.1625 | 477.1625 |
| 11      |     | 476.6750 | 476.6750 | 31*     |     | 477.1750 | 477.1750 |
|         | 51  | 476.6875 | 476.6875 |         | 71* | 477.1875 | -        |
| 12      |     | 476.7000 | 476.7000 | 32*     |     | 477.2000 | 477.2000 |
|         | 52  | 476.7125 | 476.7125 |         | 72* | 477.2125 | -        |
| 13      |     | 476.7250 | 476.7250 | 33*     |     | 477.2250 | 477.2250 |
|         | 53  | 476.7375 | 476.7375 |         | 73* | 477.2375 | -        |
| 14      |     | 476.7500 | 476.7500 | 34*     |     | 477.2500 | 477.2500 |
|         | 54  | 476.7625 | 476.7625 |         | 74* | 477.2625 | -        |
| 15      |     | 476.7750 | 476.7750 | 35*     |     | 477.2750 | 477.2750 |
|         | 55  | 476.7875 | 476.7875 |         | 75* | 477.2875 | -        |
| 16      |     | 476.8000 | 476.8000 | 36*     |     | 477.3000 | 477.3000 |
|         | 56  | 476.8125 | 476.8125 |         | 76* | 477.3125 | -        |
| 17      |     | 476.8250 | 476.8250 | 37*     |     | 477.3250 | 477.3250 |
|         | 57  | 476.8375 | 476.8375 |         | 77* | 477.3375 | -        |
| 18      |     | 476.8500 | 476.8500 | 38*     |     | 477.3500 | 477.3500 |
|         | 58  | 476.8625 | 476.8625 |         | 78* | 477.3625 | -        |
| 19      |     | 476.8750 | 476.8750 | 39      |     | 477.3750 | 477.3750 |
|         | 59  | 476.8875 | 476.8875 |         | 79  | 477.3875 | 477.3875 |
| 20      |     | 476.9000 | 476.9000 | 40      |     | 477.4000 | 477.4000 |
|         | 60  | 476.9125 | 476.9125 |         | 80  | 477.4125 | 477.4125 |

\* The primary use for these channels is repeater operation using 750 kHz offset. Channels 1-8 inclusive are used for mobile reception and channels 31-38 for mobile transmission. Note that additional channels 41-48 and 71-78 are also available for repeater operation to supplement channels 1-8 and 31-38 respectively as approved by the ACMA CBRs Class Licence in Australia and the MED GURL in New Zealand. In addition, any designated repeater channel may be used for simplex operation in areas where it is not used for repeater operation.

† Speech telephony shall be inhibited on these channels.

‡ At the time of production Channels 61, 62 and 63 are guard channels and are not available for use. Channel 5 and 35 (paired for Duplex repeaters) are reserved as emergency channels and should be used only in an emergency.

CTCSS and DCS will not operate on these channels.

A list of currently authorised channels can be obtained from the ACMA website in Australia and the MED website in New Zealand. Channel 11 is a calling channel generally used to call others and channel 40 is the customary road vehicle channel.

Once contact is established on the calling channel, both stations should move to another unused "SIMPLEX" channel to allow others to use the calling channel.

Channels 22 and 23 are for Telemetry and Telecommand use, voice communications are not allowed on these channels by law.

Channel 9 and above are the best choices for general use in Simplex mode.

## 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 5 years 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.

### 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.