

User Guide

Oricom[®]



**Oricom PMR655 UHF
Two-Way UHF Radios**

Your Oricom PMR655 radio controls



Contact us

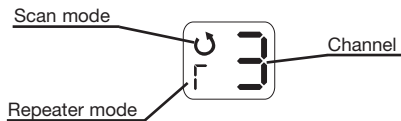
Australia
Oricom International Pty Ltd
Locked Bag 658
South Windsor NSW 2756

Customer support
Email: support@oricom.com.au
Web: www.oricom.com.au
Fax: (02) 4574 8898
Phone: 1300 889 785

New Zealand
Atlas Gentech (NZ) Limited
Private Bag 14927
Panmure Auckland

Customer support
Email: support@atlasgentech.co.nz
Web: www.atlasgentech.co.nz
Fax: (09) 574 2722
Phone: 0900 50 025 (Toll Call)

Your Oricom PMR655 display



Information on Safe Operation

Read This Information Before Using Your Oricom Radio.

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).

Exposure to Radio Frequency Energy

Your Oricom two-way radio complies with Australian Communications Authority Radiocommunications (Electromagnetic Radiation-Human Exposure) Standard, 2003.

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.

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 affects 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 2.5 cm from your body when transmitting.

Radiocommunications (Citizen Band Radio Stations) Class Licence 2002

No licence is required to own or operate this radio in Australia and New Zealand.

The Radiocommunications (Citizen Band Radio Stations) Class Licence 2002 contains the technical parameters, operating requirements, conditions of licence and relevant standards for Citizen Band (CB) radios. CB radios must comply with the class licence for their use to be authorised under the class licence.

Potentially Explosive Atmospheres

Always turn off your radio prior to entering any area with a potentially explosive atmosphere. Only radio types that are “Intrinsically Safe” should be used in such areas. Do not remove, install or charge batteries in such areas. Sparks in a potentially explosive atmosphere can cause an explosion or fire resulting in bodily injury or even death.

Note: The areas with potentially explosive atmospheres referred to above, 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, such as petrol stations.

Note areas with potentially explosive atmospheres are often-but not always-signposted.

Blasting Caps and Areas

To avoid possible interference with blasting operations, turn off your radio when you are near electrical blasting caps, 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.

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 (15 cm) 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 15 cm 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 digital wireless 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.

Safety and General Use While Driving

Check the laws regarding the use of handheld radios whilst driving, and always obey them.

Do not place a portable radio over an air bag or in the air bag deployment area. Air bags inflate with extreme 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 persons in the vehicle.

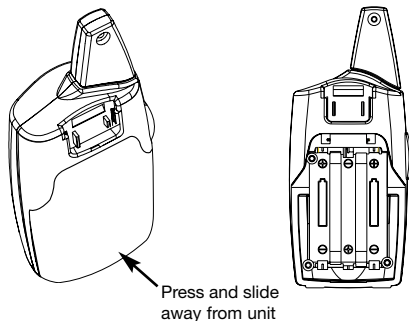


This unit complies with all relevant Australian and New Zealand approval requirements including radio communications (Electromagnetic Radiation Human Exposure) standard 2003.

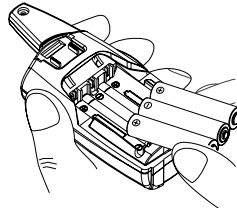
Installing the batteries

Each radio uses three AAA alkaline batteries (not supplied). To avoid damage never mix old and new batteries.

1. Ensure the radio is turned off.
2. At the base of the battery door press down and gently slide the door away from the unit.



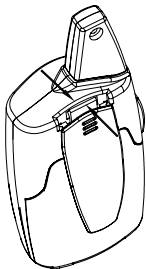
3. Insert the batteries observing the correct polarity as marked inside the battery compartment.



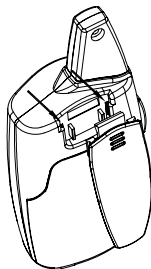
4. Replace the battery cover.

Attaching the belt clip (2 included)

Hook the belt clip into the notch at the top of the radio and slide it down until it clicks into place.




To remove, squeeze the release latch together and slide the clip up and away from the radio.






Using your Oricom PMR655

Turning your radio on and off

To turn on, press and hold  until a channel number appears and the radio beeps.




To turn off, press and hold  until the display goes blank.

Adjusting the volume

Press  to increase or  to decrease the volume. The volume level icon  is displayed. Select the desired volume level 1-15.



Selecting the channel

The channel is the frequency your radio uses to transmit and receive.

1. Briefly press  and release it - a confirmation tone will sound and the current channel number will flash.
2. Press  or  to select a new channel.
3. Press PTT to confirm - a confirmation tone will sound.

Roger beep

The Roger beep tone is transmitted by your radio when you finish transmission. In the same way as saying "Roger" or "over", it lets others know you are finished talking. You will hear this through the speaker when you release the PTT button.

This feature can be turned on and off. For the Roger beep function to be disabled, press  and  together when turning the radio on. To enable the Roger beep function reverse the procedure.

Talking and listening





Always listen for activity on the selected channel before talking.

1. When the selected channel is clear, press and hold the PTT button. Hold the radio upright 5cm from your mouth, pointing it away from your head. Speak directly and clearly into the microphone. Do not cover the microphone while talking.
2. When you are finished talking, release the PTT button and listen for a reply.





Note: If the PTT is held down for longer than 60 seconds a tone will be heard, the unit will stop transmitting and return to standby mode.



Scanning function

This feature allows you to scan all available channels and stops on an active channel.

1. Press  two or three times (when the channel is on 1-8) to enter the scanning mode.
2. Press  or  to select  on the display to turn the scanning function on.




Note: When the radio detects channel activity it stops scanning and you can hear the transmission. To respond, press PTT and transmit within 5 seconds.

3. To turn scan off, press  three or four times (when the channel is on 1-8) to enter scanning mode.
4. Press  or  to select  on the display to turn the scan function off.


Note: If scanning stops on a channel you don't want to listen to, briefly press  or  to resume scanning for the next active channel.

Monitor mode

This feature allows you to listen for weak signals on the current channel.

1. Press  three or four times (when the channel is on 1-8) to enter monitor mode.
2. Press  or  to adjust the volume up or down.

Sending a call tone

A call tone alerts others in your group that you want to talk. To send a call tone to other radios in your group, press .




Note: The Australian UHF CB Radio Standard restricts tone calling to 3 seconds. This unit will only transmit for a maximum 3 seconds in any 60 seconds.

Note: Channels 5 and 35 are disabled.

Duplex mode (range extender)

Repeater stations re-transmit your signal over a wider area giving you extended range depending on the location, height and availability of the local repeater station.

Your Oricom PMR655 radio supports duplex mode on channels 1-8 only. In duplex mode, the units support the use of a repeater in your area. If the repeater channel in your area is channel 1, when you are in duplex mode the transmit channel will be channel 31.

To enter duplex mode select the repeater channel number in your area (1-8) then press  or  on that channel until  is displayed beside the channel number (1-8). You are now in repeater mode.

For more information on the locations of repeater sites in Australia and New Zealand visit our website.

Low battery alert

Beeps will be heard when the batteries are low. Change them as described on page 6.

UHF channels and frequencies

IMPORTANT NOTE: The operation of your PMR655 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 the General User Radio License for Citizen Band Radio.

UHF Repeater operation is used when long distance communication is required, unless specifically needed use of the repeater channels is to be avoided. Note Channels 5 and 35 are emergency channels. Channel 11 is a calling channel for establishing communication and Channel 40 is the customary road vehicle channel. Channels 22 and 23 are for Telemetry and Telecommand use, voice communications are not allowed on these channels by law.

UHF channels and frequencies

Channel	Frequency (MHz)	Usage
1	476.425	Duplex RX/Simplex
2	476.450	Duplex RX/Simplex
3	476.475	Duplex RX/Simplex
4	476.500	Duplex RX/Simplex
5	476.525	Emergency
6	476.550	Duplex RX/Simplex
7	476.575	Duplex RX/Simplex
8	476.600	Duplex RX/Simplex
9	476.625	Simplex
10	476.650	Simplex
11	476.675	Simplex (Calling Channel)
12	476.700	Simplex
13	476.725	Simplex
14	476.750	Simplex
15	476.775	Simplex
16	476.800	Simplex
17	476.825	Simplex
18	476.850	Simplex
19	476.875	Simplex
20	476.900	Simplex
21	476.925	Simplex
22	476.950	No Use
23	476.975	No Use

Channel	Frequency (MHz)	Usage
24	477.000	Simplex
25	477.025	Simplex
26	477.050	Simplex
27	477.075	Simplex
28	477.100	Simplex
29	477.125	Simplex
30	477.150	Simplex
31	477.175	Duplex TX/Simplex
32	477.200	Duplex TX/Simplex
33	477.225	Duplex TX/Simplex
34	477.250	Duplex TX/Simplex
35	477.275	Emergency
36	477.300	Duplex TX/Simplex
37	477.325	Duplex TX/Simplex
38	477.350	Duplex TX/Simplex
39	477.375	Simplex
40	477.400	Simplex

IMPORTANT NOTE

Channels 5 and 35 are emergency channels. Channel 11 is a calling channel. Channels 22 and 23 are for Telemetry and Telecommand use; voice communications are not allowed on these channels by law .

* Repeater access channels

Warranty information (Australia) alia

(a) Warranty. Oricom International Pty Ltd (Oricom) warrants that the product is free from defects in materials and workmanship for a period of 12 months effective from the date of purchase. This warranty in no way affects your statutory warranty under the Trade Practices Act 1974 or any other similar legislation. It is important that you read the Warranty Card as it contains full and additional details of the warranty, limitation of warranty and conditions for receiving the warranty services during the warranty period. The Warranty Card is located in the package.

(b) Exclusion and limitation of liability. Oricom will not be in breach of a warranty or condition expressly stated in this User Guide or the Warranty Card or implied by the Trade Practices Act and excludes any liability arising under any statutory or common law for damages or any other remedy if the damage occurs as a result of:

- (i) Failure by you to follow the instructions in the User Guide for the installation and proper functioning of the product;
- (ii) Negligence on your part or misuse by you of the product;
- (iii) Any un-controlled external cause to the phone not functioning including but not limited to electricity failure, lighting, over voltage;

- (iv) Non adherence by you to the warnings in the User Guide and the User Guide generally; and
- (v) Modification to the product or services carried out to the product by anyone other than Oricom or on Oricom's behalf.

Oricom will not be liable for consequential losses including loss of profits arising from a cause of action in contract, tort or any other statutory or common law (except where a statute or any law prohibits this exclusion). The warranty does not extend to damage caused by misuse, negligence, excessive voltage, faults on the telephone line or lightning. This warranty in no way affects your statutory rights. Full details of the warranty are contained in the enclosed warranty card.