

Stay in touch for FREE with Oricom

Highly sophisticated: You can communicate when you are out and about enjoying sport and leisure activities, whilst at work or out on a job site.

Long range: With a massive 1 watt of power you can expect up to 7km range depending on terrain and environmental conditions. The range is longer when using the duplex feature.

Free communication: No call costs.

No license required: Start using your Oricom PMR1000R radios straight away.

Highly compact: Lightweight and small, they easily fit in your pocket or bag, or clip them on your belt with the clips included.

Smart features: Advanced features include 40 UHF channels, long in use time, range extender in duplex mode, channel scan, hands-free with or without a headset and Roger beep confirmation tone.

Channel scan: Lets you easily find your group's channel by searching all possible channels.

12-month replacement warranty

User Guide



**Oricom PMR1000R
High Powered 1 Watt
UHF Two-Way Radios**

Read this manual
carefully before use.

Important information

Important safety information

- Do not use the radios in areas where there is a risk of explosion, such as fuel stores, blasting areas, chemical stores or areas in which chemicals or other solids are present in the air. Always follow all information signs. Areas at risk of explosion are not always clearly marked however.
- Changing battery packs/batteries in areas at risk of explosion means a danger to life.
- These radios are not waterproof. Do not immerse in water.
- If the radio becomes wet, switch it off immediately and remove the battery pack or batteries. Do not use the radio until it is completely dry.
- When transmitting, always hold the radio vertically and approximately 2.5 to 5 cm from your mouth.
- When receiving, hold the radio at least 2.5 cm from your head.
- In order to avoid electromagnetic conflicts, switch the radios off if requested to do so by an information sign.
- If you are not sure whether the use of radios is permitted (aeroplane, boats, hospitals, etc.) ask a responsible person before using the radios.
- In the car, never place radios above an airbag, as loose objects are flung away in force when the airbag is released and present a risk of injury.
- Excessive exposure to smoke, dust, vibrations, chemicals, moisture, heat or the direct rays of the sun must be avoided.

Contact us

Australia

Oricom International Pty Ltd
PO Box 5681
South Windsor NSW 2756
Australia

Customer support

Email: support@oricom.com.au
Web: www.oricom.com.au
Fax: (02) 4572 0939
Phone: 1300 889 785

Safety and general information

Exposure to Radio Frequency (RF) energy

Your radio contains both a receiver and transmitter. When it is turned on it receives and transmits RF energy. Your Oricom unit is designed to comply with local regulatory requirements concerning exposure of human beings to RF energy (Specific Absorption Rate Data (SAR)).

No user licence is required in Australia or New Zealand.



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

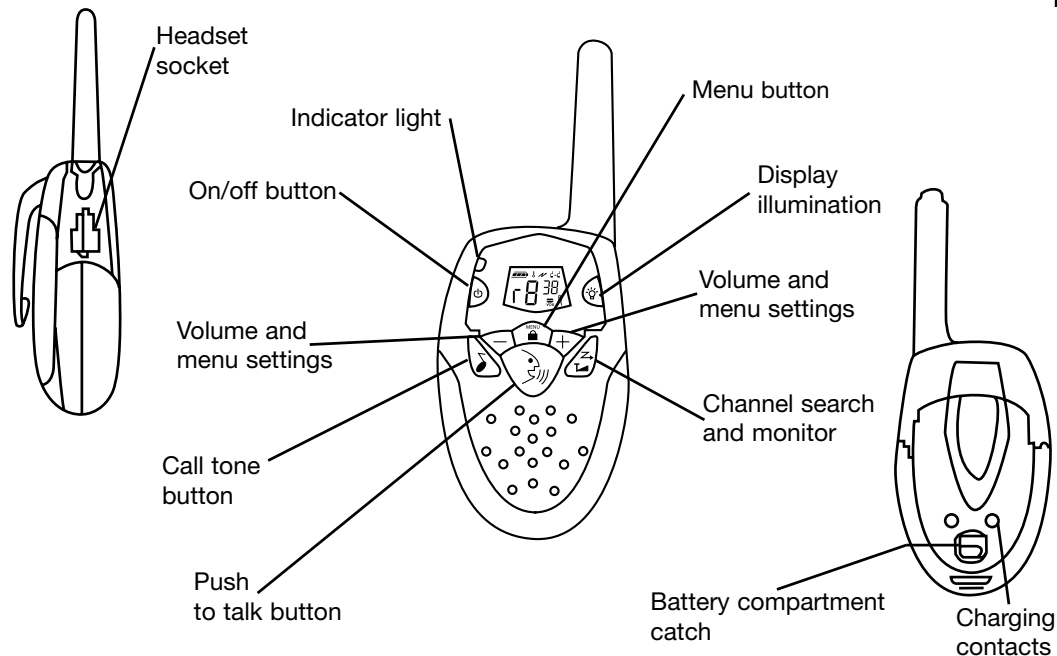
Warranty information

This product is covered by a 12-month warranty against defective workmanship or parts. The warranty does not extend to damage caused by misuse, negligence, water ingress, battery leakage or lightning. This guarantee in no way affects your statutory rights. Full details of the warranty are contained in the enclosed warranty card.

If you feel this product is not working correctly please consult the user guide and ensure that you are using the product in accordance with the instructions.

For assistance with technical issues please consult our website for further information or send us an email for a prompt response to your enquiry. In the unlikely event of a fault developing, please contact us for assistance. If the product is then found to be faulty you will be asked to return it directly to us with a copy of the purchase receipt.

Your Oricom PMR1000R radio controls



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Attaching the belt clips

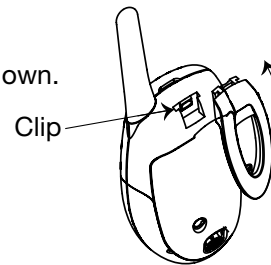
Attaching the belt clips (2 included)
Each radio is supplied with a belt clip.

To attach, simply slide into place.



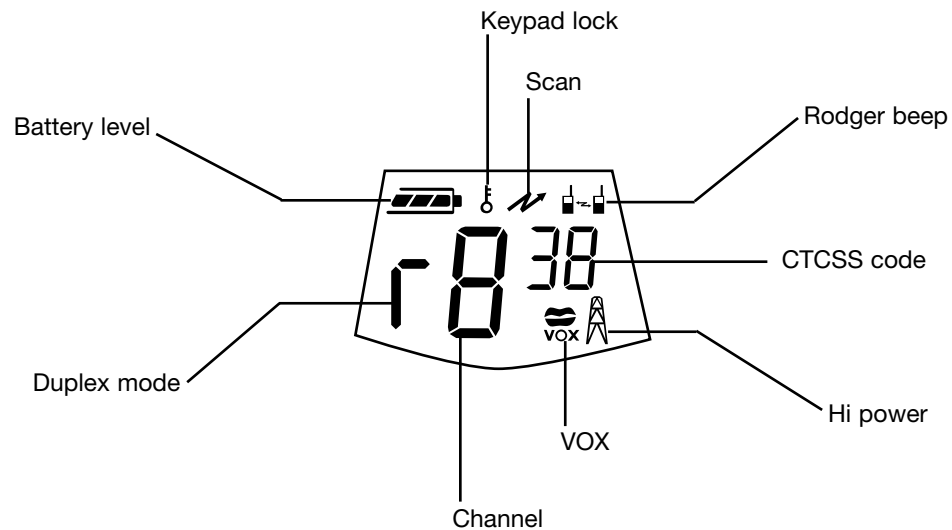
Removing the belt clip

To remove, release the clip with a screwdriver and slide upwards as shown.



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Your Oricom PMR1000R radio display



Changing the faceplates

Additional coloured faceplates

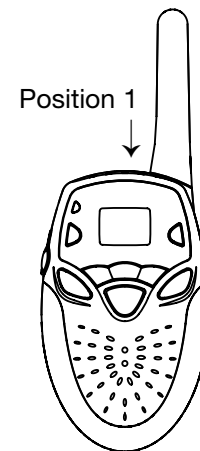
Your radios are supplied with additional coloured faceplates, which you can change as required.

Removing the faceplate

1. Carefully lever the faceplate out of the fixing at position 1 using a screwdriver.
2. You can then release the whole faceplate from the radio quite easily.

Fixing the faceplate

1. Take the new faceplate and place it on the radio.
2. Then clip the faceplate into place.



This pack contains

- 2 UHF radios
- 2 belt clips
- 2 headsets
- 2 Ni-Mh rechargeable battery packs
- 4 additional coloured faceplates
- 1 twin desk top charger
- 1 AC adaptor

Installing the batteries

Each radio uses a Ni-Mh rechargeable battery pack (supplied). Or 4 AAA alkaline batteries (not supplied).

Warnings

- Do not mix old and new batteries.
- Do not charge alkaline or non rechargeable batteries as they could explode and cause injury.
- If you are not using the radios for an extended period remove the batteries.

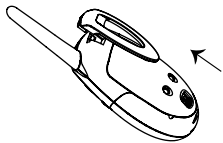
UHF Channels and frequencies

IMPORTANT NOTE

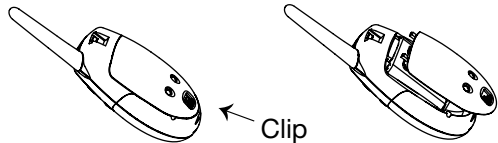
Channels 5 and 35 are emergency channels. Channel 11 is a calling channel. Channels 22 and 23 are for Telemetry and Telecommand use, voice communications are not allowed on these channels by law.

Channel	Frequency (MHz)	Usage	Channel	Frequency (MHz)	Usage
1	476.425	Simplex/Duplex	21	476.925	Simplex
2	476.450	Simplex/Duplex	22	476.950	No Use
3	476.475	Simplex/Duplex	23	476.975	No Use
4	476.500	Simplex/Duplex	24	477.000	Simplex
5	476.525	Emergency	25	477.025	Simplex
6	476.550	Simplex/Duplex	26	477.050	Simplex
7	476.575	Simplex/Duplex	27	477.075	Simplex
8	476.600	Simplex/Duplex	28	477.100	Simplex
9	476.625	Repeater	29	477.125	Simplex
10	476.652	Repeater	30	477.150	Simplex
11	476.675	Emergency	31	477.175	Simplex
12	476.700	Repeater	32	477.200	Simplex
13	476.725	Repeater	33	477.215	Simplex
14	476.750	Repeater	34	477.250	Simplex
15	476.775	Repeater	35	477.275	Emergency
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

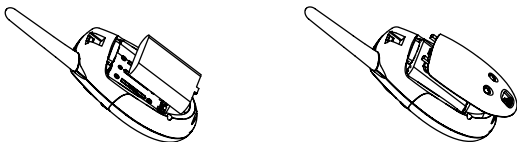
1. Ensure radio is turned off. Remove the belt clip on the back.



2. Locate the clip on the battery cover. Use your fingernail to gently prise open the battery cover and remove.







3. Insert the battery pack supplied with charge contacts facing towards you.



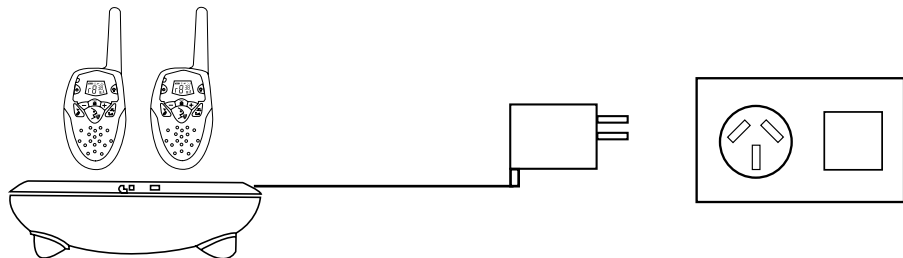
4. Replace the battery cover.

Automatic energy saving mode

The radios are designed with a power saving mode. If no transmissions take place within a certain time, the unit switches itself off automatically. The time can be set to 30, 60 or 90 minutes. In setting 0, energy saving mode is switched off.

1. Press the  button five times. The  indicator will appear in the display and the current setting will flash.
2. Select the required setting of 30, 60 or 90 minutes using the  and  buttons. Energy saving mode is switched off with the setting 0.
3. Confirm the selection with the talk button.



Using the twin charging kit



To use the charging kit, place the charging pod on any flat surface.

1. With the radio turned off, remove the battery cover.
2. Insert only the Ni-Mh battery pack (supplied) into the radio with charging contacts facing you.
3. Replace the battery cover.
4. Plug one end of the AC power adaptor into the charging pod and then the AC adaptor into the power socket.
5. Slide the radios into the charging pod ensuring the charging contacts line up. The red lights on the charge pod glow when radios are properly inserted.
6. The batteries will be fully charged within 14 hours.

Note: When moving between hot/cold environments do not charge the battery until the battery temperature acclimates (usually about 20 minutes).




2. Select sensitivity level 1, 2 or 3 by using  or . Choose -

- 1- If you speak loudly, or are in a noisy environment.
- 2- Suitable for most applications.
- 3- If you speak softly, or are in a quiet environment.

Note: When you connect a VOX headset, the radio will automatically be set to the last chosen VOX sensitivity level. If IVOX is active, the radio will automatically select IVOX level.



Monitor function

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

1. Pressing and holding  allows you to monitor your channel for activity.
2. Adjust volume up or down by using  or .

Note: It is good radio etiquette to monitor the channel for activity before you transmit, to ensure that you do not interrupt other users already on the channel.





Turning your radio on and off

Press and hold  for two seconds to turn your radio on. The radio chirps and the display will show all feature icons for a brief period. Press and hold  button for 2 seconds to turn off your radio.

Adjusting the volume level




When turned on, simply press  or  button to adjust the volume to a comfortable listening level.

Selecting the channel

1. Press the  button, the currently selected channel number will begin to blink.
2. Press the  or  button to select a channel.
3. Press the  button to set a new channel.





Roger beep (Talk Confirmation Tone)

This feature transmits a unique tone when you finish transmitting. In the same way as saying “Roger” or “over”, it lets others know you are finished talking.

1. To turn on or off the roger beeptone, press and hold  as you turn your radio on.
2. When the roger beep is on, the roger beep icon  will be seen in the display.
3. When you release the  button you will hear the roger beep.

How to use the IVOX feature




This feature allows you to transmit “hands-free” by talking into the radio microphone without using the headset.

1. Turn off your radio.
2. Turn on your radio whilst holding ; the  icon will appear in the display to indicate that the IVOX feature is active.
3. To transmit, speak into the radio microphone. To receive, stop talking.
4. When the radio is turned on with IVOX active, pressing  to transmit will disable the IVOX operation. To enable the IVOX again simply press  for a very short time. The VOX icon will display again.

Note: There is a short delay after you start talking, before the radio transmits.


Setting VOX and I-VOX sensitivity levels



Adjusting your radio’s VOX and/or microphone sensitivity level helps to minimize the possibility of unintended noises triggering a transmission, and enhances the ability to pick up quiet voices. If a headset is fitted to your radio these instructions will help you to adjust the VOX sensitivity.

1. Press  until  and a flashing number appears in the centre of the display. With the headset connected you will see  in the top right corner of the display. Without the headset you will see I.

Talking and listening



It is good radio etiquette to monitor the channel for activity before you transmit, to ensure that you do not interrupt other users already on the channel.

Press and hold the  button to check for channel activity. If you hear static, the channel is clear for use. Your radio has 40 channels. If you are in a group and you wish to talk to each other, all radios must be set to the same channel and interference eliminator code (CTCSS). If you experience interference and need to change channel, ensure that you change the channel and code of all radios in your group.

1. For maximum clarity, hold radio 5 to 7cm's from mouth.
2. Press and hold  and speak to the microphone. LED indicator light glows continuously when transmitting.
3. To receive messages, release .

Interference eliminator codes (CTCSS)

The radio has 38 interference eliminator codes (CTCSS) providing you with a choice of channel/code combinations to listen to transmissions using the same CTCSS code on the same channel, effectively blocking out unwanted conversations.

1. Select the repeater channel in your area (channel 1 to channel 8).
2. Press the menu button 4 times to enter duplex mode, press  or  to switch between duplex and simplex mode.

For example,


Select channel 1, duplex mode will display:  1. Simplex mode will display 1.





Hands-free use (VOX)

This feature allows you to transmit “hands-free” by talking while using the VOX headsets connected to the radio.

Note: When using the headsets with your radio, turn your radio off before you place the accessory on your head or in your ear.




How to use VOX

1. Turn off your radio.
2. Insert the VOX headset into the headset socket.
3. Turn on your radio; the  icon will appear in the display.
4. To transmit, speak into the headset microphone. To receive, stop talking.

1. Press  until the code number begins to flash.
2. Use  or  to select required CTCSS tone 0 (off) or 1-38.
3. Press  to set the new code.

Channel scan


By scanning, you can monitor channels and codes for transmissions and lock in on the one that interests you. More importantly, you can find someone in your group who has accidentally changed channels and is talking during your scan.

1. To start scanning, briefly press and release the  button.
2. If you activate scan while the CTCSS code is set to 0, then the radio will check for any activity on each channel, regardless of the CTCSS code in use on that channel.
3. If you activate scan while the CTCSS code is set on channel 1 to 40, then the radio will check for any activity on each channel, except the code 0 in use on that channel.
4. While the radio is scanning, the scan icon will display and the radio will scroll through the channels.
5. When activity is detected on a channel, the radio will stop scanning and you will hear whatever transmissions are detected. The radio's display will show the channel and CTCSS code on which activity was detected.
6. If you want to respond to the transmission, press  within 5 seconds and you can respond.
7. The radio will resume scanning after 5 seconds of inactivity on the channel.
8. To stop scanning, briefly press and release .


Channel busy indicator

The red LED will flash twice per second to indicate that the channel is in use.

Time-out timer

The time-out timer feature helps extend battery life by preventing accidental transmission. The radio will emit a continuous warning tone if the  button is pressed for more than 60 continuous seconds and will stop transmitting.

The battery level meter









The battery level meter located in the display indicates how much battery power you have remaining to protect the rechargeable battery. When the battery meter has one segment left, the radio will chirp after releasing  or every 10 minutes.

Duplex mode



Repeater stations can re-transmit your signal over a wider area giving you extended range depending on the location, height and availability of the local repeater station. For information on the locations of repeater sites in Australia and New Zealand visit our website.

Your radio supports duplex mode on channels 1 - 8. If the repeater channel in your area is channel 1, when you are in duplex mode the transmit channel will be channel 31.



You can specify a different code for each channel.

1. To set a channel and CTCSS code combination, press  and then press  or  to select the channel.
2. Press  again and then press  or  to select a CTCSS code.
3. You can not select interference eliminator codes on channel 5 or channel 35. On this channel press . The radio shall skip the codes setting.
4. Press  to exit the menu and to save the channel and code combination. To set another channel and code combination, repeat these steps.

Scan advance


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

Nuisance delete







If scan continuously stops on an undesired channel, press and hold  or  for at least 3 seconds, then release. This will temporarily remove the undesired channel from the scan list.

To restore the channel to the scan list, turn the radio off and then on. You cannot remove your home channel from the scan list (your home channel is the channel your radio was set to when you activated scan).

Monitor

Pressing and holding  allows you to monitor your channel for activity.






Keypad lock

The keypad lock disables the ,  and  buttons. It also disables the scan function, but allows you to use the  button to monitor the channel. Press and hold the  button for three seconds to lock or unlock the keypad. When the radio is locked, the  icon will show in the display.

Call tone

A call tone alerts others in your group that you want to talk. Your radio has 10 call tones to choose from.

Selecting a call tone

1. With the radio on, press  repeatedly, until  appears in the display.
2. The current call tone setting will begin to flash.
3. Press  or  to change and hear call tones while the setting number is flashing.
4. Press  to set the new call tone.

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: The radio does not support the call tone feature on channels 5 or 35.