Operating Instructions

PMR1280 80 Channel UHF 2 Way
Citizen Band Radio

Keep this user guide for future reference. Always retain your
proof of purchase in case of warranty service and register your
product on line at: AUSTRALIA: www.oricom.com.au

Table of contents

Why has the ACMA increased the number of available UHF CB channels?
To provide additional channel capacity within the UHF CB Band the ACMA will over the next 5 years change the majority of the current wideband 40 channel use to narrowband 80 channel use.
During this time wideband channel use will be gradually phased out as users upgrade their existing radio's.
This means that the new Oricom narrowband radio you have purchased will have more channels than older wideband radios. Some of these channels are locked and cannot be used, (see the attached channel chart for more information).

When will this take place?
Early in 2011 new AS/NZS Standards came into effect allowing operators to use additional narrowband channels and also use narrowband transmissions on some current wideband channels. This increased the number of channels up to 80, 75 of which are useable voice channels.

What issues may users experience during the transition phase?
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.
It is expected that as older wideband radios are removed from service that this issue will be resolved. Most radios in use will be narrowband eliminating this issue.
This information is current at time of printing. For further up to date information please visit www.acma. gov.au

Oricom Connecting you now.

N13134
Z765

This unit complies with all relevant Australian and New Zealand approval requirements AS/NZS 4365:2011 including radio communications (Electromagnetic Radiation Human Exposure) standard 2003.

Safety Information and Warnings

⚠️ WARNING

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.

Batteries

All batteries can cause property damage and/or bodily injury such as burns if conductive material such as jewelry, keys, or beaded chains touches exposed terminals. The material may complete an electrical circuit (short circuit) and become quite hot. Exercise care in handling any charged battery, particularly when placing it inside a pocket, purse, or other container with metal objects.

Do not replace or charge batteries in a potentially explosive atmosphere. Contact sparking may occur while installing or removing batteries and cause an explosion.

⚠ WARNING

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 Australian Communications Authority Radio communications (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.

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.

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⚠️
WARNING

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 it's 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.

⚠️
WARNING

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.
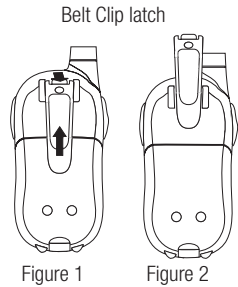
Installation

Removing the Belt Clip

Pull the Belt Clip latch forward (away from the unit)

While pulling the Belt Clip latch, push up the Belt Clip as shown in Figure1.
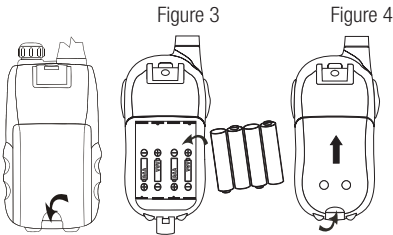
Installing the Belt Clip

Slide the Belt clip into the slot as shown in Figure2.

A "click" indicates the Belt clip is locked into position.

Belt Clip latch

Figure 1   Figure 2

Installing the Batteries

Figure 3   Figure 4

Caution: Observe the proper battery polarity orientation when installing batteries. Incorrect positioning can damage both the batteries and the unit.

a. Slide down the Battery Compartment Cover.

b. Install the rechargeable batteries by following the orientation as shown in Figure 3 (the arrow is showing and pointing upward.)

c. Replace the Battery Compartment Cover. See Figure 4.

Important

Read these Safety Warnings before you charge the batteries.

When placing the radio in the charger, **use only the power supplies listed in the user instructions supplied with the unit.**

Don't try to recharge non-rechargeable batteries.

Make sure the battery compartment cover is securely locked in place when you are charging the batteries.

Dispose of used batteries safely and in a way that will not harm the environment- never try to burn them or put them anywhere, they could get burnt or punctured.

Don't leave dead batteries in your radio.

They might leak if you do.

Charging the battery pack

a. Insert the small plug in the end of the mains adaptor into the Power-in Connection Jack at the back of the desktop charger.

b. Plug the mains adaptor into a 240V AC, 50Hz main socket with the switch on the socket set to OFF.

c. Switch ON the main socket.

The radio must be charged using the mains adaptor provided. Using any other adaptor will invalidate any approvals & warranty.

d. Place the radio units in the charge cradle in an upright position and facing outward. **The Charge LED indicators will light up.**

e. It takes about 10 hours to fully recharge the batteries if the battery are completely run down. **New batteries take up to 14 hours to fully charge.**

Main socket
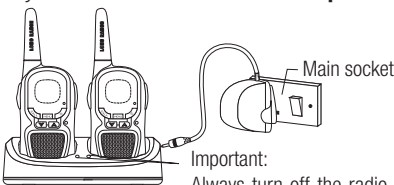
Important:
Always turn off the radio units when charging.
This will shorten the charging time.

f. Charging the battery pack (using adaptor)
Lift the charge socket cover located on the right side of the handset.

Insert the round connector of the 9.0V DC/200mA adaptor into the charge jack.

Mic/spk jack
Charge jack

Plug the mains adaptor into a 240V AC, 50Hz main socket with the switch on the socket set to OFF.
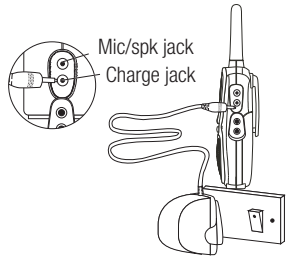
Then switch ON the main socket.

Battery meter

The battery meter is located in the left corner of the LCD screen. It appears like a battery with three bars inside. These indicate the amount of power available. When the battery level reaches it minimum level, the unit will emit two beep tones and automatically it will power off.

Your PMR1280 can detect the battery charge in 4 levels;

Battery charge at high level.

Battery charge at medium level.

Battery charge at low level. At this level, the radio will emit a "beep" sound for every 10 seconds in standby mode.

TIP: At this stage, you need to recharge the unit at once, otherwise the battery will run down totally.

Battery charge at very low level. When the battery level reaches its minimum level, the unit will emit two beep tones and automatically turn off the power.

Important: You need to charge the unit for 10-14 hours.
CAUTION: Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.

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Battery life

Your radio has a built in power saver to make the batteries last longer. But when you are not using the units, turn them OFF to conserve battery power.

For in vehicle charging the accessory kit SM5100 contains 2 car chargers and 2 shoulder speaker mics. These can be purchased from your re-seller or online at www.oricom.com.au

Transmitting range

The talk range depends on the environment and terrain. The radio can reach (up to about 7km) in wide open spaces, without obstructions such as hills or buildings. Don't try to use two radio units which are less than 1.5m (5 feet) apart. Otherwise, you may experience interference.

Talk range depends on the terrain. It will be affected by concrete structures, heavy foliage and by operating radios indoors or in vehicles.

Optimal Range
Outdoors
Flat, open areas

Medium Range
Outdoors
Buildings or trees
Also near residential
buildings

Minimal Range
Outdoors
Dense foliage or
mountains. Also inside
some buildings

Oricom PMR1280 2-Way CB Radio

Antenna

LCD Screen
- Displays the current channel selection and other radio symbols.

PTT (PUSH to TALK) button
- Press and hold to transmit.

CALL button
- Press to send ringing tone to other PMR units.

MENU Button
- Press to change and switch between other modes.

Speaker

Receiver LED
- lights up when you Are receiving signals.

Ear/Mic/Charge jack

PWR(POWER) Button
- Press and hold to turn the unit ON or OFF.

MIC (Microphone)

UP/DOWN Buttons
- Press to change channels, volume, and to select settings during programming.

LCD Screen

BB Channel Number. Changes from 1 to 80 as selected by the user.

BB CTCSS Code. Changes from 1 to 38 as selected by the user.

Displays the Battery change level. When the bars are reduced, the battery needs recharging.

TX Displayed when transmitting a signal.

RX Displayed when receiving a signal.

DCM Displayed when the Dual Watch function is turned ON.

VOX Displayed when the VOX feature is enabled.

SC Displays when scanning is activated.

Displayed when the Key Lock feature is activated.

Displays the current Speaker volume level.

DCS Displays when Digital code system is setting.

RPT Displayed when the repeater function is activated.

Displays when Stopwatch function is activated.

Operation

Turning the Unit ON/OFF

To Turn ON;

a. Press and hold the **POWER** button until the LCD screen turns ON and displays the current channel.

To switch OFF;

b. Press and hold the **POWER** button until the LCD screen turns blank.

Changing Channels

The PMR1280 has 80 available channels, to communicate with other radio's, it must have your radio tuned to the same channel.

a. Press the **MENU** button once, the current channel number flashes on the LCD Screen.

b. Press the **UP** or **DOWN** button to select the desired channel. The channel changes from 1 to 80, or vice versa.

c. Press the **PTT** button to confirm the channel setting.

These are paired with higher channels as output/input (1/31, 2/32, etc.)

Check for local repeater activity before using these channels in Simplex mode to avoid interference. Channels 9 and above are the best choices for general use in Simplex mode.

You can find more information about channels and frequencies by visiting the Web site http://www.acma.gov.au

Note: Refer to the "Channel Table" section of this Owner's Manual for detailed frequency listing.

Setting the CTCSS sub-channel

Each channel has 38 sub-channels to let you set up group of users within the same channel for more private communication. If you have set the sub-channel, you can only communicate with other radio users tuned to the same channel and sub-channel l.

To turn the sub-channel function off, simply set the sub-channel to 0 (zero). You can then communicate with other radio's setting to the same channel who also turns off the sub-channel operation (or whose unit does not have the sub-channel feature).
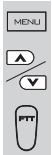
a. Press the **MENU** button twice, the current **CTCSS** sub-channel number flashes on the LCD screen.

b. Press the **UP** or **DOWN** button to select one of the 38 CTCSS sub-channels.

c. Press the **PTT** button to confirm the **CTCSS** sub-channel setting.

SETTING THE DCS ADVANCED DIGITAL CODE.

Each channel also has 83 digital codes to let you set a group of users for more secured private communication.

a. Press the **MENU** button 3 times. **DCS** code is blinking on the LCD screen.

b. Press the **UP** or **DOWN** button to select the desired DCS code.

c. Press the **PTT** button to confirm the **DCS** channel setting.

Transmitting and Receiving

⚠️ **The PMR1280** transmission is SIMPLEX "one way-at-a-time." While you are speaking, you can not receive a transmission.

⚠️ **The PMR1280** is an open-license band. Always identify yourself when transmitting on the same channel.

IMPORTANT: Before transmitting on a UHF channel listen to ensure it is not already in use.

Transmitting (sending speech)

The unit is continuously in the Receive mode when the unit is turned ON and not transmitting. When a signal is received on the current channel, "**RX**" icon will be displayed on the LCD screen and the receiver LED will light up.

a. Press and hold the **PTT** (push to talk) button to transmit your voice. "**TX**" icon will be displayed on the LCD Screen.

b. Hold the unit in a vertical position with the MIC (Microphone) 5 cm away from the mouth. While holding the **PTT** button, speak into the **MIC** (microphone) in a normal tone of voice.

c. Release the **PTT** button when you have finished transmitting.

Monitor

You can use the Monitor feature to check for weak signals on the current channel.

a. Press and hold the **MENU** and **DOWN** buttons at the same time. "*RX*" icon will be displayed on the LCD screen. Your radio will pick up signals on the current channel, including background noise.

b. Press the **MENU** button to stop the channel monitoring.

Setting the VOX (Voice Activated) Sensitivity

In VOX mode, the radio will transmit a signal only when it is activated by your voice or other sounds around you. The unit will transmit further for 2 seconds even if you stop talking.
The level of VOX sensitivity is shown by a number on the LCD Screen. At the highest level, the units will pickup softer noise (including background noise); at the lowest level, it will pick up only quite loud noise.

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a. Press the **MENU** button 4 times, "**VOX**" icon will be displayed and "**OFF**" flashes on the LCD screen.

b. Press the **UP** button to set the VOX sensitivity into maximum level (the maximum level is "3 ".) To deactivate the VOX function, press the **DOWN** button until "OF" appears on the LCD Screen.

c. Press the **PTT** button to confirm your setting. "**VOX**" will steadily appear on the LCD Screen as along as the VOX feature is activated.

VOX operation is not recommended if the radio will be used in a noisy or windy environment.

A VOX headset is also available under part number KESP-300-0. This can be purchased from your re-seller on online at www.oricom.com.au

Activating the Auto Channel Scan

Channel scan perform searches for active signals in an endless loop for all 80 channels, 38 CTCSS codes and all 83 DCS codes.

a. Press the **MENU** button 5 times, "**SC**" icon will display on LCD screen.

b. Press the **UP** or **DOWN** button to begin scanning channels when an active signal is detected, channel scan pauses on the active channel.

c. Press the **MENU** button six times, CTCSS flashes on the LCD screen press the **UP** or **DOWN** button to begin scanning the CTCSS from 1-38.

d. Press the **MENU** button seven times, DCS flashes on the LCD screen. Press the **UP** or **DOWN** button to begin scanning DCS code 1-83.

e. Press the **PTT** button to confirm your setting.

Call alert

Your radio can alert you to incoming signal by emitting an audible call tone.

Call-Ring tone

You can send a Call-ring tone to other radio users to give an alert that you want to communicate with them.

Press the CALL button

You will hear a ring tone for about two seconds; "**TX**" icon appears on the LCD screen. Any other units within the transmitting range and tuned to the same channel and sub-channel (if applicable) will hear the Call-ring tone.

Selecting a Call- Ring tone

Your PMR1280 is equipped with 10 different types of Call-Ring tones.

a. Press the **MENU** button 8 times, the "**C A**" icon will display and flash on the LCD Screen.

b. Press the **UP** or **DOWN** button to select the desired Call-ring tone. A respective Call- Ring tone sound will be played when changing from one tone to another.

c. Press the **PTT** button to confirm your setting.

Setting the Roger Beep

The Roger beep is a tone which is automatically transmitted whenever the PTT button is released. This alerts the receiving party to inform you that you have intentionally ended the transmission, and you are now in receive mode.

a. Press the **MENU** button 9 times, the "**ON**" icon will flash on the LCD Screen.

b. Press the **UP** or **DOWN** button to select the Roger beep On/Off.

c. Press the **PTT** button to confirm your setting.

Setting the Key Tone ON or OFF

This feature allows your radio unit to emit a confirmation tone after pressing each button.

a. Press the **MENU** button 10 times, the "**ON**" icon is flashing on the LCD Screen.

b. Press the **UP** or **DOWN** button to select Key tone On/Off.

c. Press the **PTT** button to confirm your setting.

Setting the Dual Watch Mode

Your radio is capable of monitoring two channels, the current and another (dual watch) channel. If the unit detects a signal on either channel, it will stop and receive the signal.

a. Press the **MENU** button 11 times, "**DCM**" icon will be displayed while "OF " flashes on the LCD Screen.

b. Press the **UP** or **DOWN** button to select the Dual Watch channel (1-80, except the current channel).

c. Continue pressing the **MENU** button to change the CTCSS code.

d. Press the **UP** or **DOWN** button to select the desired CTCSS code (1-38)

e. Continue pressing the **MENU** button to change the DCS code.

f. Press the **UP** or **DOWN** button to select the desired DCS code (1-83)

g. Press the **PTT** button to confirm your setting.

Duplex operation via Repeaters

This feature allows to use local repeater stations that are designed to automatically re-transmit your broadcast over a large area thus giving you increased range.
Repeaters stations are privately operated radio systems installed throughout Australia.

For example, if you wish to access a repeater station in your area which operates on channel 2 you only need to set the Duplex access on this Channel.

So, if you are in the range of a local repeater which transmits on channel 2, after setting your radio to allow access of the repeater on that channel, you will select channel 2 as normal, but during transmit operation your radio will automatically transmit to the repeater on channel 32.

Turning on/off Duplex on channels

a. Select the required channel to suit the repeater station you wish to access (Channels 1 – 8 and 41 – 48)
b. Press the Menu button twice, "RPT" icon will display
c. Press the UP or DOWN button to set the Duplex function to On or Off.
d. Press the PTT button to confirm your setting.
e. The RPT icon will display to indicate that Duplex is set on that channel.

Receive Channel	1	2	3	4	5*	6	7	8
Transmit channel	31	32	33	34	35*	36	37	38

Receive Channel	41	42	43	44	45	46	47	48
Transmit channel	71	72	73	74	75	76	77	78

* Channel 5 is emergency channel only

Setting the Repeater function

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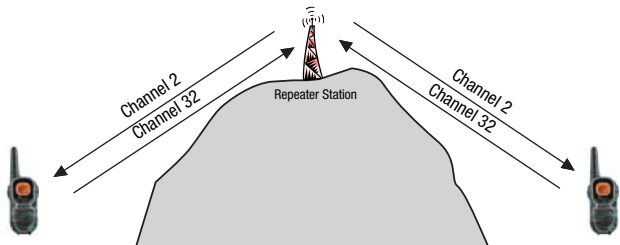
a. Press the Menu button 12 times, "RPT" icon will be displayed and flashing on the LCD screen.

b. Press the UP or DOWN button to set the Repeat function to On or Off.

c. Press the PTT button to confirm your setting.

Important

- Speech transmissions are not allowed on channel 22 and 23 (Receive only)
- CTCSS and Call ring tone calling should be disabled on channel 5 and 35.
- If Call ring tone calling is provided, it is only allowed to operate for a maximum of 3 seconds and it can only be possible to operate once in any 60 second period.

Auxiliary Features

Key Lock

The Key Lock feature allows the user to disable the **UP**, **DOWN** and **MENU** buttons so that the PMR1280 settings could not be changed accidentally.

a. To activate the key Lock feature, press and hold the **MENU** button until key lock "🔒" icon appears on the LCD Screen.

b. To deactivate the key Lock feature, press and hold the **MENU** button until key lock "🔒" icon disappears on the LCD Screen.

Note: The **PTT**, and **CALL** buttons will remain functional even if the Key Lock feature is activated.

LCD Screen Back Light

Every time the Power/Vol button is activated (except PTT and CALL button), the LCD Screen back light will illuminate for 5 seconds.

Microphone/Earphone/Charge Jack

Your radio is equipped with an auxiliary microphone, earphone, and charge jack located at the opposite side of the PTT button.

Channel Frequency Table

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.

UHF channels and frequencies

IMPORTANT NOTE: 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.

Channel		Tx Freq MHZ	Rx Freq MHz	Channel		Tx Freq MHz	Rx Freq 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 and 41-48 inclusive are used for mobile reception and channels 31-38 and 71-78 for mobile transmission. 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 channels 5 and 35.

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.

38 CTCSS CODE LIST

CODE	Frequency(Hz)	CODE	Frequency(Hz)
OFF	OFF	20	131.8
1	67.0	21	136.5
2	71.9	22	141.3
3	74.4	23	146.2
4	77.0	24	151.4
5	79.7	25	156.7
6	82.5	26	162.2
7	85.4	27	167.9
8	88.5	28	173.8
9	91.5	29	179.9
10	94.8	30	186.2
11	97.4	31	192.8
12	100.0	32	203.5
13	103.5	33	210.7
14	107.2	34	218.1
15	110.9	35	225.7
16	114.8	36	233.6
17	118.8	37	241.8
18	123.0	38	250.3
19	127.3		

Customer Support

If you have any problems setting up or using this product you will find useful tips and information in the Troubleshooting section of this user guide as well as "Frequently Asked Questions" on our website www.oricom.com.au.

If you have further questions about using the product after reviewing the resources above or would like to purchase replacement parts or accessories please call our Customer Support Team. Our dedicated local support team are more likely to be able to help you than the retailer where you made your purchase.

Important

Please retain your purchase receipt and attach to the back page of this user guide as you will need to produce this if warranty service is required. Take a few moments to register your product online: www.oricom.com.au

How to make a claim under Warranty in Australia

Oricom has a simple warranty process for you to follow:

- Please call or email our Customer Support Team, contact details follow.
- 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 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.

Warranty Information (Australia)

This 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 makes no other warranties or conditions, express or implied, including as to acceptable quality and fitness for a particular purpose, except as stated in this Warranty.

Any implied warranties that may be imposed by law are limited in duration to the Warranty Period.

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

This warranty in no way affects your statutory warranty rights under the Competition and Consumer Act 2010 or any other similar legislation.

The Warranty Period will be 3 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 warranty services.

Warranty

You are entitled to a replacement product or repair of the product according to the terms and conditions of this document if your product is found to be faulty within the Warranty Period. This Warranty extends to the original purchaser only and is not transferable.

Rechargeable battery cells and rechargeable battery packs (if supplied) with this product are covered under this warranty for a period of 90 days.

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 Warranty Period of the Oricom branded product in which they are installed, whichever is longer. During the Warranty Period, Oricom will where possible repair and if not replace the faulty product or part thereof. All component parts removed under this Warranty become the property of Oricom. In the unlikely event that your Oricom product has a recurring failure, Oricom may, 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.

Oricom does not warrant that the operation of the product will be uninterrupted or error free.

Oricom is not responsible for damage that occurs as a result of your failure to follow the instructions that came with the product. These terms and conditions together with any specific terms and conditions contained in the user guide to the product purchased constitute the complete and exclusive agreement between you and Oricom regarding the product.

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

Oricom will not be in breach of a warranty expressly set out in this User Guide or under the Competition and Consumer Act 2010 and excludes any liability for damages or any other remedy arising under any other legislation or the common law if the damage occurs as a result of:

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. negligence on your part or misuse by you of the product;

3. an uncontrollable external cause which results in the product not functioning including but not limited to power failure, lightning or over voltage; and

4. modification to the product or services carried out on the product by anyone other than Oricom or Oricom's authorised service provider.

Oricom will not be liable for any damages caused by the product or the failure of the product to perform, including any lost profits or savings or special, incidental or consequential damages. Oricom is not liable for any claim made by a third party or made by you on behalf of a third party. This limitation of liability applies whether damages are sought, or a claim made, under this Warranty or as a tort claim (including negligence and strict product liability), a contract claim or any other claim. However, this limitation of liability will not apply to claims for personal injury. Nothing in this Warranty excludes, restricts or modifies any condition, warranty, right or remedy which pursuant to the Competition and Consumer Act 2010 applies to this Warranty and which may not be so excluded, restricted or modified. For warranties that cannot be excluded, restricted or modified, Oricom limits the remedies available to those specified in the relevant legislation.

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.