



Two-Way Radio User's Guide



KEM-ML14190-54

MJ279R

Keep this user guide for future reference. Always retain your proof of purchase in case of warranty service and register your product online at AUSTRALIA: www.oricom.com.au
Oricom Customer Support - 1300 889 785 or (02) 4574 8888

Safety and General Information

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 did 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

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

Information on Safe Operation

Read This Information Before Using Your Oricom Radio. The operation of your UHF radio in Australia and New Zealand is subject to conditions in the following licenses:

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

Radio Antenna

Do not use any radio that has a damaged antenna. If a damaged antenna comes in contact with the skin, a minor burn may result. Unauthorized antennas, modifications, or attachments could damage the radio and violate compliance. Do NOT change or modify the antenna. Do NOT hold the antenna when the radio is "IN USE." Holding the antenna reduces range and may cause bodily harm.

Safety and general use whilst in a vehicle

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

For Vehicles fitted with Air Bags

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

Read all these Safety Warnings before you install or charge the rechargeable battery pack.

- Do not dispose of the rechargeable battery pack in a fire as it may explode.
- Use only the rechargeable battery pack supplied with the product. Improper use, or use of unapproved batteries may present a risk of fire, explosion, or other hazard, and may invalidate any approval or warranty.
- Exercise extreme care when handling batteries in order not to short the batteries with conducting materials such as rings, bracelets and keys. The batteries or conduction material may overheat explode and or cause burns.
- Never replace or charge the battery pack in a potentially explosive atmosphere (such as where gas is leaking) as contact sparking may occur while installing or removing the batteries cause a fire or an explosion.
- Do not modify, cut, disassemble, crush, bend, puncture, heat or damage the battery pack.
- If the battery pack leaks, do not let the battery liquid touch skin or eyes. If this happens, immediately flush the affected areas with water, and seek medical assistance. Released electrolyte is corrosive and may cause damage to the eyes and skin. It may be toxic if swallowed.
- Do not immerse or expose the battery pack to water or other liquids.
- If you believe the battery pack is damaged, remove product from the charger and stop using the product. Contact Oricom for assistance.
- Never use damaged batteries as they may explode.
- Remove the battery pack when it is no longer able to hold a charge and when the equipment will not be used for an extended period of time. Dispose of the batteries according to local regulations, never in your household rubbish.
- Risk of explosion if battery is replaced by an incorrect type. Only use the AC power adaptor supplied with this product. Using any other AC adaptor will invalidate any approvals and warranty and could be potentially dangerous.
- Do not attempt to charge non-rechargeable Alkaline batteries.

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.

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.

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.

Battery Charger Safety Instructions:

Save these Instructions

- Do not expose the charger to rain or snow.
- Do not operate or disassemble the charger if it has received a sharp blow, or has been dropped or damaged in any way.
- Never alter the AC cord or plug provided with the unit. If the plug will not fit the outlet, have the proper outlet installed by a qualified electrician. An improper condition can result in a risk of electric shock.
- To reduce the risk of damage to the cord or plug, pull the plug rather than the cord when disconnecting the charger from the AC receptacle.
- To reduce the risk of electric shock, unplug the charger from the outlet before attempting any maintenance or cleaning.
- Use of an attachment not recommended or sold by Motorola may result in a risk of fire, electric shock or personal injury.
- Make sure the cord is located so it will not be stepped on, tripped over or subjected to damage or stress.
- An extension cord should not be used unless absolutely necessary. Use of an improper extension cord could result in a risk of a fire and/or electric shock. If an extension cord must be used, make sure that:
 - The pins on the plug of the extension cord are the same number, size and shape as those on the plug of the charger.
 - The extension cord is properly wired and in good electrical condition.
- The supply cord of the AC adaptor cannot be replaced. If the cord is damaged, please refer to warranty section.

Radio communications (Citizen Band Radio Stations) Class License 2011

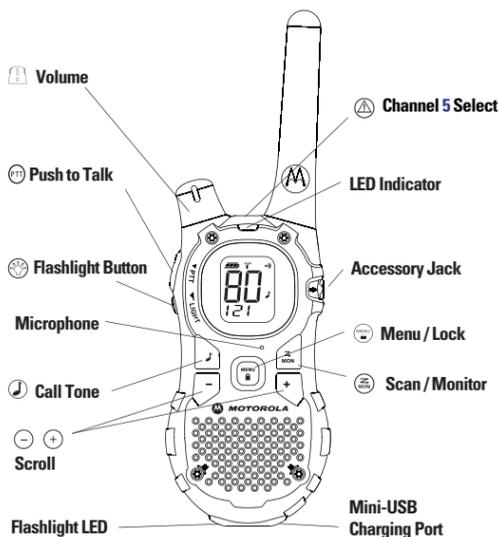
Your Motorola radio operates on UHF CB frequencies and is subject to the Rules and Regulations of the ACMA radio communications and in New Zealand by MED General User Radio License for Citizens Band Radio and operation is subject to conditions contained in those licenses. You can find more information about License by visiting the website at http://www.acma.gov.au/WEB/STANDARD//pc-PC_1265

Note: Use of this radio outside the country where it was intended to be distributed is subject to government regulations and may be prohibited.

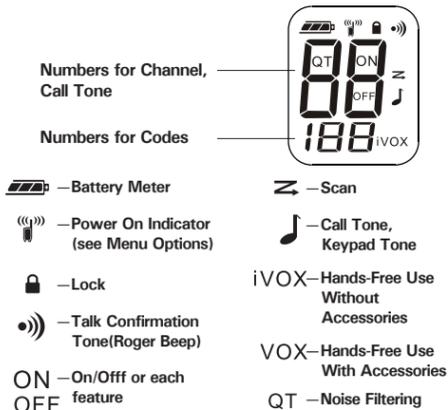
PACKAGE CONTENTS

- 2 handheld radio transceivers
- 2 belt clips
- 1 charger cradle
- 1 power adaptor
- 2 NiMH battery packs

Control Buttons



Display Screen Guide



Getting Started

Installing the Batteries

Each radio can use either 1 NiMH rechargeable battery pack or 3 AA alkaline batteries.

Installing NiMH Rechargeable Battery Pack (Supplied)

- Turn the radio off.
- With the back of the radio facing you, lift the battery cover latch up and remove the cover.
- Remove the NiMH battery pack from the clear plastic bag (Do not disassemble or unwrap the battery pack).
- Insert the NiMH battery pack with the diagram facing you.
- Reposition the battery cover and press down to secure.

Installing the Three AA Alkaline Batteries (Not Supplied)

- Turn the radio off.
- With the back of the radio facing you, lift the battery cover latch up and remove the cover.
- Insert the three AA alkaline batteries with + and - polarity as shown inside.
- Reposition the battery cover and press down to secure.

Radio Battery Meter

The radio battery icon shows the battery charge level, from full to empty . When the radio has one segment left, the radio chirps periodically or after releasing (Low Battery Alert).

Removing the NiMH Battery Pack

- Turn the radio off.
- With the back of the radio facing you, lift the battery latch up to release the battery cover and remove the cover.
- Remove the NiMH battery pack by pulling the ribbon attached to the radio.
- Reposition the battery cover and press down to secure.

Removing the Three AA Batteries

- Turn the radio off.
- With the back of the radio facing you, lift the battery latch up to release the battery cover and remove the cover.
- Gently remove each alkaline battery by easing each battery out individually.
- Reposition the battery cover and press down to secure.

Notes

- Exercise care when removing NiMH or AA batteries. Do not use sharp or conductive tools to remove either of these batteries.
- Remove the battery pack/Alkaline before storing your radio for extended periods of time. Batteries corrode over time and may cause permanent damage to your radio.

Using the Battery Charger

The battery charger provides drop-in charging convenience for NiMH battery packs and can be placed on any flat surface, such as a desk or workbench. Charge the NiMH battery pack overnight (at least 16 hours) before using it for the first time. After the initial charge, an empty battery is fully charged within 14 hours.

- Follow the steps above to install a NiMH Battery Pack.
- Plug the AC power supply cord into the jack on the desk stand.
- Plug the AC power supply into a standard wall outlet.
- With a radio facing forward, slide it into one of the charging cradles.
- When charging in the battery charger, the red light on the charger base will glow continuously.

Using the mini-USB Charging Connector

The mini-USB charging connector is a handy port that allows you to conveniently charge your NiMH battery pack. This is an alternative to charging your NiMH battery pack in the Battery Charger desk stand using the AC wall adaptor and especially useful when used while travelling.

Available mini-USB charging options: (optional accessories)

- Wall travel charger
- Vehicle charger
- Mini-USB computer cable

If using a computer, the computer must be turned on. This and other accessories (sold separately) are available for your radio. These can be purchased from your local Electronic Store.

- Plug your mini-USB cable or charger into a power source as is appropriate for your accessory.
- Plug the cable into the mini-USB port on the bottom of your radio.
- An empty battery will be fully charged in 14 hours.
- The LED indicator light on the radio will glow to indicate that the battery is charging.

Notes

- The light will remain red after the NiMH battery pack is fully charged.
- When moving between hot and cold temperatures, do not charge the NiMH battery pack until the battery temperature acclimates (usually about 20 minutes).
- For optimal battery life, remove the radio from the charger within 16 hours. Do not store the radio while connected to the charger.
- If the radio is kept on while charging, the charging time will be extended.
- Even though the charger is connected, you may not be able to transmit a message if the battery is completely empty . Allow time for the battery to charge to 1 bar before attempting to transmit a message.
- Do not use the mini-USB charging options if Alkaline Batteries are fitted.

Attaching and Removing the Belt Clip

- Attach belt clip to pocket or belt strap.
- Align the belt clip post with the hole in the back of the radio.
- Gently push until the clip clicks in place.

To Remove

- Push down on the release tab at the top of the belt clip to release the catch.
- Pull the belt clip away from the back of the radio.

Turning your Radio On and Off

Turn clockwise to turn the radio on and counterclockwise to turn the radio off.

- In the ON position, the radio chirps and briefly shows all feature icons available on the radio.
- The display screen then shows the current channel, code and all features that are enabled.

Setting the Volume

Press and hold for three seconds while rotating until you reach a comfortable listening level.

- Rotate clockwise to increase the volume.
- Rotate counterclockwise to decrease the volume.

Do not hold the radio close to your ear. If the volume is set to an uncomfortable level, it could hurt your ear.

Talking and Listening

To communicate, all radios in your group must be set to the same channel and Interference Eliminator Code.

- To talk, press and hold .
- When you are finished talking, release .

For maximum clarity, hold the radio 5-10cm away from your mouth and speak directly into the microphone. Do not cover the microphone while talking.

Talk Range

Your radio is designed to maximize performance and improve transmission range. Do not use the radios closer than 2m apart.

Monitor Button

Pressing and holding for three seconds allows you to listen to the volume level of the radio when you are not receiving. This allows you to adjust the volume, if necessary. You can also press to check for activity on the current channel before you talk.

Push-to-Talk (PTT) Timeout Timer

To prevent accidental transmissions and save battery life, the radio emits a continuous warning tone and stops transmitting if you press for 60 continuous seconds.

Menu Options

Selecting the Channel

Your radio has 75 channels(channels 1-80, except 22, 23, 61, 62, 63) with nominal transmission power of 1.5W. (See the "Channels and Frequencies" table on overleaf for details.)

- With the radio on, press . The current channel flashes.
- Press or and select an unused or quiet channel.
- Press to save the channel setting or to continue set up.

In Australia, except in an emergency a CB Radio must not be operated on

UHF emergency channels 5 & 35. No voice transmission shall be made on UHF channels 22 & 23. Before transmitting, ensure to listen to the UHF channel of use to ensure it is not already in use. Channels 61,62 and 63 are reserved.

UHF Repeater operation is used when long distance communication is required, unless specifically needed use of the repeater channels is to be avoided. Note that in Australia Channel 11 is the customary calling channel for establishing communication and Channel 40 is the customary road vehicle channel.

Selecting the Interference Eliminator Code

Interference Eliminator Codes help minimize interference by blocking transmissions from unknown sources. Your radio has 121 Interference Eliminator Codes. Codes 1 – 38 are the standard analogue codes radios. Codes 39 – 121 are additional digital codes added for superior interference protection. 0 is the off position, no analogue or digital codes are enabled.

To set the code for a channel:

- Press until the code starts to flash.
- Press or to select the code.
- Press to save the code setting or to continue set up.

You can set a different code for each channel using this procedure. An extended press of or allows you to scroll through the Interference Code rapidly so you can quickly reach the code you want.

Notes:

- You must set the Interference Eliminator Code to 0 on a radio that uses Interference Eliminator Codes to communicate with radios that do not have Interference Eliminator Codes. Select 0 for "no tone, no code" and OFF will flash on your radio's display.
- Channels 5 and 35 are used for emergency channels. Interference Eliminator Code will not operate on these two channels.

Duplex mode

The units support the use of repeater in Duplex mode or without the use of repeater in Simplex mode. This Duplex mode is only supported for Channel 1 to Channel 8 and Channel 41 to Channel 48. If the Channel is set either Channel 1to Channel 8 or Channel 41 to Channel 48, Press Menu until "r" to flash, then press or to switch "ON/OFF" the duplex mode or Simplex mode. To turn Duplex ON or OFF

- Press "menu" until "r" displays.
- Press or until ON displays to turn Duplex mode ON or until OFF displays to turn Simplex mode.
- Press or to confirm your selection.

For example, in Channel 6, code 4.

Simplex mode will display



Duplex mode will display



*Continued on back
MJ279R*

CTCSS Code Table									
Code	Hz	Code	Hz	Code	Hz	Code	Hz	Code	Hz
1	67	9	91.5	17	118.8	25	156.7	33	210.7
2	71.9	10	94.8	18	123	26	162.2	34	218.1
3	74.4	11	97.4	19	127.3	27	167.9	35	225.7
4	77	12	100	20	131.8	28	173.8	36	233.6
5	79.7	13	103.5	21	136.5	29	179.9	37	241.8
6	82.5	14	107.2	22	141.3	30	186.2	38	250.3
7	85.4	15	110.9	23	146.2	31	192.8		
8	88.5	16	114.8	24	151.4	32	203.5		

DCS Code Table

Code	Hz								
39	023	56	125	73	245	90	412	107	624
40	025	57	131	74	251	91	413	108	627
41	026	58	132	75	261	92	423	109	631
42	031	59	134	76	263	93	431	110	632
43	032	60	143	77	265	94	432	111	654
44	043	61	152	78	271	95	445	112	662
45	047	62	155	79	306	96	464	113	664
46	051	63	156	80	311	97	465	114	703
47	054	64	162	81	315	98	466	115	712
48	065	65	165	82	331	99	503	116	723
49	071	66	172	83	343	100	506	117	731
50	072	67	174	84	346	101	516	118	732
51	073	68	205	85	351	102	532	119	734
52	074	69	223	86	364	103	546	120	743
53	114	70	226	87	365	104	565	121	754
54	115	71	243	88	371	105	606		
55	116	72	244	89	411	106	612		

Setting and Transmitting Call Tones
Your radio can transmit different call tones to other radios in your group so you can alert them that you want to talk. You have 10 call tones from which to choose.

To set a call tone:

- With the radio on, press ⏻ three times until the current call tone setting (0 - 10) flashes and 🗋 appears.
 - Press ⊕ or ⊖ to change and hear the call tone.
 - Press ⏻ to set the new call tone or ⏪ to continue set up. To transmit your call tone to other radios set to the same channel and Interference Eliminator Code as your radio, press 🗋.
- Note:** Setting the call to 0 disables the call tone feature.

Hands-Free Use Without Accessories (iVOX)

You can use the iVOX feature to transmit hands-free without the need for any headset accessories. Once iVOX is turned on, the radio detects your voice and transmits when you speak into the internal microphone.

- Press ⏻ until iVOX appears on the display. The current setting On/Off will flash.
- Press ⊕ or ⊖ to select On or Off.
- Press ⏻ to set or ⏪ to continue set up.

Hands-Free Use With Accessories (VOX)

You can transmit hands-free more reliably with the use of optional headset accessories. Once VOX is turned on, the radio detects your voice and transmits when you speak.

Many accessories (sold separately) are available for your radio. For more information, contact Oricom.

- Turn the radio off and plug the VOX accessory into the accessory port.
- Turn the radio on. VOX shows on the display.
- Adjust the volume appropriately by rotating 🔊. Lower the volume before placing the accessory on your head or in your ear.
- To turn off, simply remove accessory.

Note: There is a short delay between the time you start talking and when the radio transmits. There is a short delay before the transmission is completed.

Setting the Sensitivity Level When in VOX or iVOX Mode

Adjusting the radio’s sensitivity level helps minimize the possibility of unintended noises triggering a transmission and helps the radio pick up soft voices.

- Press ⏻ until VOX/iVOX and the level setting (1-3) appear on the display.
- Press ⊕ or ⊖ to select the sensitivity level.
- Press ⏻ to set or ⏪ to continue set up.

3 = High Sensitivity for quiet environments
2 = Medium Sensitivity for most environments
1 = Low Sensitivity for noisy environments

Note: When you connect a headset, the radio is automatically set to the last chosen sensitivity level.

Q: Noise Filtering

The Q: noise-filtering feature helps to ensure uninterrupted communication with other Motorola radios that have this feature. This feature also filters out unwanted transmissions from other radios. This is useful in places where

there is heavy radio traffic, such as amusement parks or ski resorts.

Note: Q: noise filtering is not available when the radio is scanning.

To turn Q: noise filtering on or off:

- Press ⏻ until QT displays. The current setting On/Off will flash.
- Press ⊕ or ⊖ to turn noise filtering On or Off.
- Press ⏻ to confirm your selection or ⏪ to continue set up.

To transmit to a radio that has Q: noise filtering turned on:

- Select the same channel and Interference Eliminator Code as the other radio.
- Press 🗋 to send a call tone. This allows your voice to pass through the Q: noise filter on the receiving radio.
- Press ⏻ and speak normally.

Note: If you skip step 2, the beginning of your message may not be heard on the receiving radio. For a 30-second period, starting after the last transmission, all transmissions received on the selected channel and code will pass through the Q: noise filter.

Keypad Tones

You may enable or disable the speaker key tones. You will hear the key tone each time a button is pushed.

- Press ⏻ until 🗋 appears. The current setting On/Off will flash.
- Press either ⊕ or ⊖ to turn On or Off.
- Press ⏻ to confirm or ⏪ to continue set up.

Note: When the key tone feature is off, the following are not disabled:

- Transmit timeout alert tone
- Call tone
- Low battery alert tone
- The transmitted talk confirmation tone

Transmitting a Talk Confirmation Tone

You can set your radio to transmit a unique tone when you finish transmitting. It is like saying “Roger” or “Over” to let others know you are finished talking.

- With the radio on, press ⏻ until the 🗋 appears. The current setting On/Off flashes.
- Press ⊕ or ⊖ to turn On or Off.
- Press ⏻ to set or ⏪ to quit menu mode.

Special Features

Channel 5 Select

No matter which channel is on, press and hold the 📶 button for about 3 seconds, the Radio will switch from working channel to channel 5 in duplex mode. It means that the radio transmits on channel 35 and receives on channel 5.

To exit this mode:

Press and hold the 📶 button for about 3 seconds.

Built-in Flashlight

Press and hold the flashlight button to turn and keep the light on. The switch functions as a momentary control for the light.

Note: Turn off the flashlight when not in use to conserve battery power.

Keypad Lock

To avoid accidentally changing your radio settings:

- Press ⏻ and hold until 🔒 displays.
- When in lock mode, you can turn the radio on and off, adjust the volume, receive, transmit, send a call tone, and monitor channels. All other functions are locked.

To unlock the radio, press and hold ⏻ until 🔒 is no longer displayed.

Scanning Channels

Use scan to search the 75 channels for transmissions from unknown parties, to find someone in your group who has accidentally changed channels, or to quickly find unused channels for your own use.

There is a priority feature and 2 modes of scanning (basic and advanced) to make your search more effective. The basic scan mode uses the channel and code combinations for each of the 75 channels as you have set them (or with the default code value of 1). The “Advanced Scan” mode will scan all channels for any and all codes, detect any code in use, and use that code value temporarily for that channel.

Priority is given to the “home channel,” that is, the channel (and Interference Eliminator Code) your radio is set to when you start the scan. This means the initial channel (and code setting) is scanned more often than the other 74 channels, and your radio will respond quickly to any activity occurring on the home channel as a priority.

To start Scanning:

- Briefly press the 📶 key. The scan 📶 will appear in the display, and the radio will begin to scroll through the channel and code combinations.
- When the radio detects channel activity matching the channel and code combination, it stops scrolling and you can hear the transmission.
- To respond and talk to the person transmitting, press ⏻ within five seconds after the end of the transmission.
- The radio will resume scrolling through the channels five seconds after the end of any received activity.
- To stop scanning, briefly press the 📶 key.

To start Advanced Scanning:

- Set the Interference Eliminator Code to “zero” or OFF.
- Briefly press the 📶 key. The scan 📶 will appear in the display, and the radio will begin to scroll through the channels. No Interference Eliminator Codes will filter what is heard.

- When the radio detects channel activity with ANY code (or NO code), it stops scrolling and you can hear the transmission. Any Interference Eliminator Code that may be in use by that party will be detected and displayed.
- To respond and talk to the person transmitting, press ⏻ within five seconds of the end of the transmission. The radio will transmit using the newly detected Interference Eliminator Code.
- The radio will resume scrolling through the channels five seconds after the end of any received activity.
- To stop scanning, briefly press the 📶 key.

Scanning Notes:

- If you press ⏻ while the radio is scrolling through inactive channels, the transmission will be on the “home channel”. Scanning will resume five seconds after the end of your transmission. You may press the 📶 key to stop scanning at any time.
- If the radio stops on an undesired transmission, you may immediately resume the scan by briefly pressing ⊖ or ⊕.
- If the radio repeatedly stops on an undesired transmission, you may temporarily remove that channel from the scan list by pressing and holding ⊕ or ⊖ for three seconds. You may remove more than one channel in this way.
- To restore the removed channel(s) to the scan list, turn the radio off and then back on, or exit and re-enter the scanning mode by pressing 📶.
- You cannot remove the home channel from the scan list.
- In Advanced Scan, the detected code will only be used for one transmission. You must note the code, exit scan, and set that detected code on that channel to permanently use the detected code.

Channels and Frequencies					
Channel	Frequency (MHz)	Description	Channel	Frequency (MHz)	Description
1*	476.425	Duplex RX/Simplex	41*	476.4375	Duplex RX/Simplex
2*	476.450	Duplex RX/Simplex	42*	476.4625	Duplex RX/Simplex
3*	476.475	Duplex RX/Simplex	43*	476.4875	Duplex RX/Simplex
4*	476.500	Duplex RX/Simplex	44*	476.5125	Duplex RX/Simplex
5*	476.525	Emergency	45*	476.5375	Duplex RX/Simplex
6*	476.550	Duplex RX/Simplex	46*	476.5625	Duplex RX/Simplex
7*	476.575	Duplex RX/Simplex	47*	476.5875	Duplex RX/Simplex
8*	476.600	Duplex RX/Simplex	48*	476.6125	Duplex RX/Simplex
9	476.625	Simplex	49	476.6375	Simplex
10	476.650	Simplex	50	476.6625	Simplex
11	476.675	Simplex	51	476.6875	Simplex
12	476.700	Simplex	52	476.7125	Simplex
13	476.725	Simplex	53	476.7375	Simplex
14	476.750	Simplex	54	476.7625	Simplex
15	476.775	Simplex	55	476.7875	Simplex
16	476.800	Simplex	56	476.8125	Simplex
17	476.825	Simplex	57	476.8375	Simplex
18	476.850	Simplex	58	476.8625	Simplex
19	476.875	Simplex	59	476.8875	Simplex
20	476.900	Simplex	60	476.9125	Simplex
21	476.925	Simplex	61‡	-	No Use
22‡	-	No Use	62‡	-	No Use
23‡	-	No Use	63‡	-	No Use
24	477.000	Simplex	64	477.0125	Simplex
25	477.025	Simplex	65	477.0375	Simplex
26	477.050	Simplex	66	477.0625	Simplex
27	477.075	Simplex	67	477.0875	Simplex
28	477.100	Simplex	68	477.1125	Simplex
29	477.125	Simplex	69	477.1375	Simplex
30	477.150	Simplex	70	477.1625	Simplex
31*	477.175	Duplex TX/Simplex	71*	477.1875	Duplex TX/Simplex
32*	477.200	Duplex TX/Simplex	72*	477.2125	Duplex TX/Simplex
33*	477.225	Duplex TX/Simplex	73*	477.2375	Duplex TX/Simplex
34*	477.250	Duplex TX/Simplex	74*	477.2625	Duplex TX/Simplex
35*	477.275	Emergency	75*	477.2875	Duplex TX/Simplex
36*	477.300	Duplex TX/Simplex	76*	477.3125	Duplex TX/Simplex
37*	477.325	Duplex TX/Simplex	77*	477.3375	Duplex TX/Simplex
38*	477.350	Duplex TX/Simplex	78*	477.3625	Duplex TX/Simplex
39	477.375	Simplex	79	477.3875	Simplex
40	477.400	Simplex	80	477.4125	Simplex

You can find more information about channels and frequencies by visiting the website http://www.acma.gov.au/WEB/STANDARD/pc=PC_1265

Channel Frequency Table
Radio communications (Citizen Band Radio Stations) Class Licence 2002
No licence is required to own or operate this radio in Australia and New Zealand. The Radio communications (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.
* 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 80 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.

Patent and Copyright Information

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Warranty

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.