Uniden®

MHS157
Dual Band (UHF CB+VHF Marine) Radio

For more exciting new products please visit our website:
Australia: www.uniden.com.au

OWNER'S **MANUAL**

Making a Distress Call (VHF Marine)

Speak slowly - clearly - calmly.

For future reference, write your boat's name & call sign here:

  1. Make sure your radio is on.
  2. On the radio, press the 16/67-Tri button to switch to Channel 16 (156.8 MHz). (If the corner of the display does not show 16, press the 16/67-Tri button again until it does.)
  3. Press the push to talk button and say: "MAYDAY -- MAYDAY -- MAYDAY."
  4. Say "THIS IS {name of your boat (three times) and call sign/boat registration number (once)}."
  5. Say "MAYDAY {name or call sign of your boat}."
  6. Tell where you are: (what navigational aids or landmarks are near, or read the latitude and longitude from your GPS).
  7. State the nature of your distress, (e.g. are you sinking, medical emergency, man overboard, on fire, adrift, etc.)
  8. State the type of assistance you need (medical, towing, pumps, etc.).
  9. Give number of persons aboard and conditions of any injured persons.
  10. Estimate present seaworthiness of your ship (e.g. how immediate is the danger due to flooding or fire or proximity to shore).
  11. Briefly describe your ship, giving the ship name (e.g. "Blue Duck is 32 foot cabin cruiser, white hull, blue deck house").
  12. Say: "I WILL BE LISTENING ON CHANNEL 16."
  13. End message by saying "THIS IS {name or call sign of your boat}, OVER."
  14. Release the push to talk button and listen.

If you do not get an answer after 30 seconds, repeat your call, beginning at step 3, above.

Warning

⚠️ **NOTE**	The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Floating/Waterproof: JIS7/IPX7

Uniden's MHS157 radio is designed to meet the water proofing standard of JIS7/IPX7 and will float in water.

This Means: Protected against the effects of continuous immersion in water.The MHS157 can withstand immersion in water up to 1.0m depth for 30 minutes. Note this is not suitable for scuba diving.

⚠️ **NOTE**	The MHS157 will only meet this rating if fully assembled and all rubber seals are well maintained and correctly fitted, and the battery cover securely fastened.

After your radio is submerged in water, you might notice that the sound is distorted. This is because there is still water remaining in and around the speaker and microphone. Just shake the radio to clear excess water, and the sound should return to normal.

⚠️ **NOTE**	If your radio is exposed to salt water, clean your radio thoroughly with fresh water, and dry it before turning it on.

⚠️ **NOTE**	The charger is not waterproof.

⚠️ **NOTE**	**USER LICENSE INFORMATION** The citizen band radio service is licensed in Australia by ACMA Radio-communications (Citizen Band Radio Stations) Class Licence and in New Zealand by MED General User Licence for Citizen Band Radio and operation is subject to conditions contained in those licenses.

Contents

Introduction

The MHS157 is a floating, waterproof, portable two-way UHF CB + VHF Marine transceiver. It is compact, lightweight, rugged and fits easily in your hand. This handheld radio will give you consistent, outstanding performance in virtually all conditions and situations.

To ensure that you get the most from the MHS157's features, please read this operating guide carefully before using the unit.

Features

Your radio provides the following key features:

VHF Marine

• Marine Channels: US, International and Canadian
• WX Channels: CH67 (AUS), CH20-23 (NZ)

UHF CB

• 80 Channels UHF-CB Transceiver (with CTCSS/DCS)
• Busy CH Lock Out
• Duplex (at CH01-08, CH41-48)
• Vibrator

Common

• Submersible design. Complies with floating JIS7/IPX7 water-resistant standards.
• Memory Scan mode. Lets you save channels to memory and monitor them in quick succession.
• Dual Watch: This mode lets you monitor Instant CH along with one regular marine/UHF channel.
• Triple Watch: This mode lets you monitor 16CH, 67CH along with one regular marine/UHF channel.
• Battery Save. The Battery Save feature automatically turns off RX power at regular intervals to save battery power.
• Emergency 16/67 Channel monitoring. Set unit to scan one or both of these emergency channels regularly within normal scanning cycles.
• Transmitter power level select/Boost
• Key Lock
• Selectable Volume (0 - 15) and Squelch (0 - 3) levels.
• Instant CH Programming/Recalling
• External Speaker Jack

Getting Started

What's Included?

Charging Cradle

MHS157 Radio
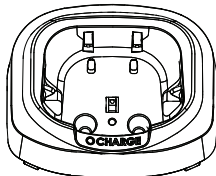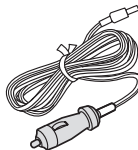
DC Adaptor

Antenna

Lithium Ion Battery

Mounting Hardware
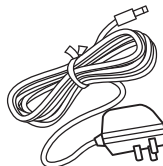
AC Adaptor
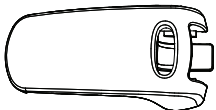
Not shown:
AAAX4 Alkaline BatteryTray

Belt Clip

- If any item is missing or damaged, contact your place of purchase immediately. **Never use damaged products!**
- Need help? Get answers at our website:
  www.uniden.com.au for Australian model

Controls and Indicators

MHS157 Radio

Antenna

External Speaker Jack

FLOATING

Uniden

MHS157

Push To Talk

LCD

BOOST

16/67/TRI — 16/67 TRI

VOL/LOCK — VOL LOCK

CHANNEL UP

SCAN/MEM — SCAN MEM

INST

CHANNEL DOWN

BAND/MENU — BAND MENU

WX/POWER — WX

ENT L/M/H — ENT L/M/H

Microphone

Speaker

Controls and Indicators

Battery Cover Screw
(under belt clip)

Battery
Charging
Contacts

Belt Clip
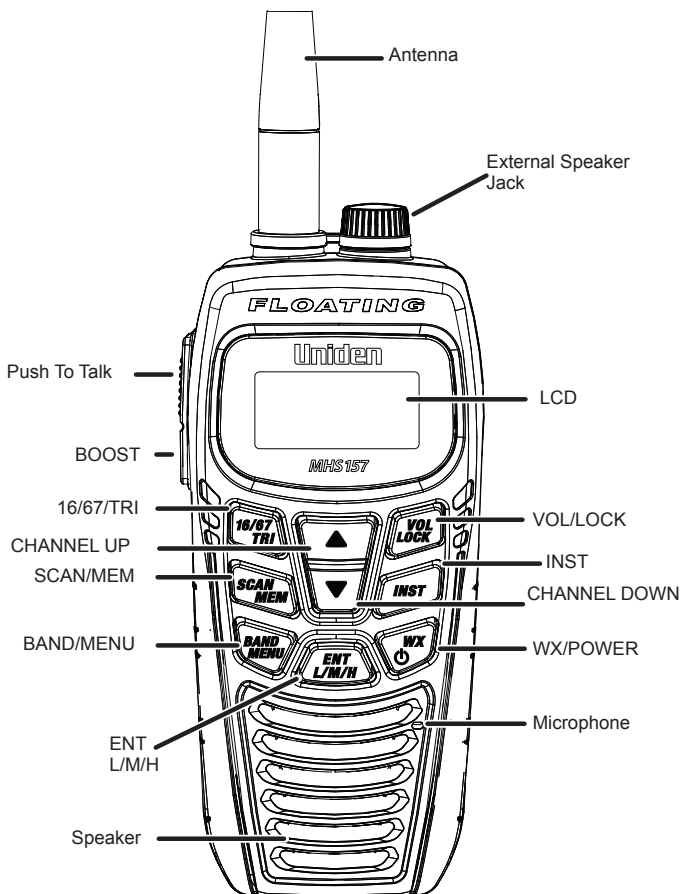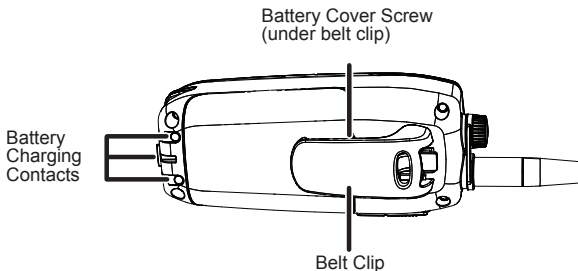
Button	Press to...	Press and hold to...
16/67/TRI	1st press: Go to channel 16. 2nd press: Go to channel 67. 3rd press: Go back to the starting channel.	Turn Triple/Dual Watch on and off. Triple/Dual setting has to be selected in the Menu.
SCAN/MEM	Turn on/off Scan function.	Save a channel into memory or delete a channel from memory.
BAND/MENU	Select UHF CB band or VHF Marine band.	Enter the Menu function.
PTT (Push to Talk)	NA	Talk/transmit on a channel.
BOOST	NA	Transmit with a higher power level.
VOL/LOCK	Enter volume setting condition.	Select Key Lock function.
INST	Instant CH Call	Instant CH programming
WX/POWER	Select WX channel	Turn on or off radio's power.

Controls and Indicators

CHANNEL UP	Move up channel or squelch/volume one step at a time.	Move quickly up the channels/ squelch/volume steps.
CHANNEL DOWN	Move down channel or squelch/volume one step at a time.	Move quickly down the channels/ squelch/volume steps.
ENT L/M/H	Select item in setting condition.	Select transmit power L, M or H.

Charger

Charging Contacts

Charge LED

Screw holes for mounting
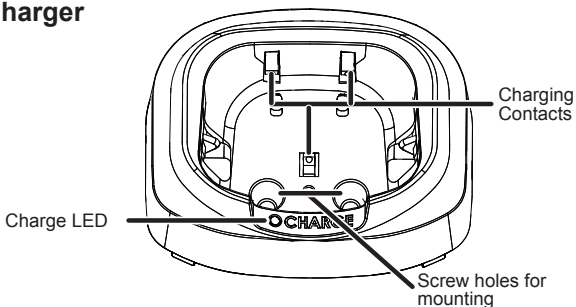
Reading the Display

The LCD display shows different information depending on what you are doing. This sample screen shows some of this information. The following table shows all the possible icons and what they mean.

Controls and Indicators

Icon	Detail
TX	You are currently transmitting.
HI/MID/LO	These indicators indicate whether the transmitter power is set to HI, MID or LO. This is not indicated in the WX mode and on the receiving only channels of Marine.
LOCK	The keys are locked.
US, CAN, or INT	Indicates if the radio is set for US channels, CANadian channels, or INTernational channels.
TRI or DUAL	TRIple Watch or DUAL Watch is turned on.
MEM	The current channel is saved in memory.
SCAN	The radio is in Scan mode.
WX	The weather channels are displayed.
	The battery is fully charged, mostly charged, halfcharged, mostly empty, or completely empty.
88A	Current channel number.
UHF/VHF	Band Type
DCS/CTCSS	Indicates whether DCS or CTCSS is selected.
BCL	Busy Channel Lockout is enabled.
VOL	Indicates volume adjust mode.
SQL	Indicates Squelch adjust menu mode.
	Indicates active vibrator.

Setting up the Hardware

Attaching the Antenna

The antenna detaches from the radio for easy shipping or storage. To attach the antenna to your radio, screw it tightly onto the anchor post at the top of the radio.

Installing the Battery

Your radio uses the supplied Lithium Ion battery pack. To install the Lithium Ion battery pack:

1. Remove the belt clip if installed.
2. Use a screwdriver to turn the battery compartment screw counterclockwise and then lift up and remove the battery cover.
3. Line up the new battery's connector with the jack inside the battery compartment (the connector only fits one way).
4. Push the connector in firmly. Tug on the battery wires gently to make sure you have a good connection.
5. Before replacing the battery cover, check the rubber seal located on the under side of the cover; make sure that the seal is set in the groove and that there is no foreign matter under the seal.
6. Replace the battery compartment cover. Tighten the screw securely.

NOTE If the rubber seal appears warn, nicked, or dried out, you must replace it. If the seal looks worn or damaged, contact customer service to order a replacement (see front cover page for contact information).

Installing Alkaline Batteries

NOTE When using Alkaline batteries, transmit power is limited to MID or LOW power.

The radio also comes with an accessory battery tray that holds four AAA-type Alkaline batteries (not included).

Follow these steps to use the accessory battery tray:

1. Align the batteries' positive and negative terminals with the markings on the case and snap each battery into place.

Setting up the Hardware

2. Line up the battery's connector with the jack inside the battery compartment (the connector only fits one way).
3. Push the connector in firmly. Tug on the battery wires gently to make sure you have a good connection.
4. Seat the battery case in the battery compartment.
5. Before replacing the battery cover, check the rubber seal located on the under side of the cover; make sure that the seal is set in the groove and that there is no foreign matter under the seal.

> ⚠ **NOTE**
> WARNING: The accessory battery tray is designed to prevent the accidental charging of non-rechageable batteries. Never use non-rechargeable batteries in the radio without the accessory battery tray.

6. Replace the battery compartment cover. Tighten the screw securely.

Mounting the Charger

You can mount the charger on any flat surface.

1. Use the two holes at the base of the charger as a template to mark the drill holes.
2. Using a 3mm (1/8-inch) drill bit, drill two holes 13mm (1/2 inch) deep.
3. Use the provided screws to attach the charger to the surface.
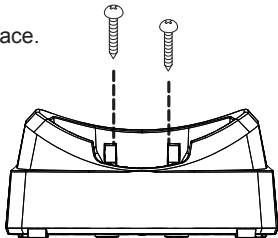
Setting up the Hardware

Charging the Battery

Your radio includes a charger and a rechargeable battery pack. Place your radio in the charger with the display facing forward. Make sure that the CHARGE LED on the charger turns orange.
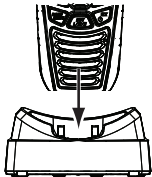
Cautions:

- Use only the battery and charger supplied with this radio.Using a different charger or battery can damage the radio and create a risk of fire or shock.
- The charger is not waterproof. If the charger falls into the water, unplug it before attempting to remove it from the water. After you remove the charger from the water, please contact our Customer Care Service.
- Wipe off dirt or shake water from your radio before placing in the charger if your radio gets dirty or wet.

Important notes on charging the battery

- Charge the battery fully before using the radio. When the battery is completely charged, the CHARGE LED turns green.
- Don't use the charger when the ambient temperature is below 5° C (41° F) or above 40° C (104° F).
- If the radio is powered down, the battery can charge in about seven hours. (If the radio is powered on, the battery takes longer to charge.)

Belt Clip
To install the belt clip:

Slide the belt clip down over the latch until you hear it click.

To remove the belt clip:

1. Lift the flat latch.

2. Slide the clip up until it comes free of the latch.

Install Optional External Speaker/Microphone

The MHS157 has a jack for an optional external speaker or microphone.

1. Unscrew the cover to the speaker/microphone jack.
2. Insert the speaker/microphone plug into the jack.

Using Your Radio

Turning It On

Press and hold WX/POWER for at least two seconds to turn the radio on. Press and hold WX/POWER again to turn the unit off.

Setting It Up

Even though you can change your radio's settings at anytime, you will probably want to establish initial settings after you have turned it on for the first time. You will adjust some of these settings on an as-needed basis, but some settings might only need to be set once.

Changing the Volume

To change the speaker volume, press VOL/LOCK to enter Volume Setting mode. 0 (for volume level 0 - 15) displays. Press CHANNEL UP or CHANNEL DOWN to increase or decrease the volume levels. Press VOL/LOCK to save.

Setting the Squelch level

The MHS157 recognizes signals as transmissions if they exceed a signal strength threshold.
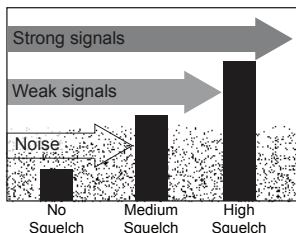
Adjusting the squelch sets this threshold level. Increasing squelch requires a signal to be stronger to be seen as a transmission. If you set the squelch too high, you will risk not receiving transmissions that are lower than that threshold. Reducing the squelch allows weaker signals to be accepted.However, if you lower the squelch too much, you will hear white noise all the time.

While listening to a channel, press and hold BAND/MENU to enter the Menu. Press ENT/L/M/H till you enter the Squelch menu mode.The Squelch level number displays on the LCD. Press CHANNEL UP or CHANNEL DOWN to increase or decrease the squelch levels (0 - 3). Press ENT/L/M/H to save the setting.

Using Your Radio

Setting the UIC channel mode (USA/CAN/INT)

First ensure that you are in the VHF band. Press and hold BAND/MENU to enter the Menu settings. Press ENT/L/M/H till you get the option INT (default, it will flash on the LCD). Press the CHANNEL UP or CHANNEL DOWN to scroll through the marine channels for the USA, Canada, or International waters. Press ENT/L/M/H to save the setting.

Selecting a Channel

Press CHANNEL UP or CHANNEL DOWN briefly to scroll through the channels one channel at a time. Press and hold CHANNEL UP or CHANNEL DOWN to quickly scroll through the channels.

Making a Transmission

Press and hold Push to Talk.TX displays while you are transmitting. Release Push to Talk when you're finished talking to let the other party respond.

- To prevent stuck microphone problems or situations where Push to Talk is pushed accidentally, the radio limits your talk time to 5 minutes (VHF Marine) and 3 minutes (UHF CB) in a single transmission.
- For the best sound quality, hold the microphone about two inches away from your mouth.
- Some channels are Receive Only. See the channel list starting on page 33 for a list of receive-only channels.

Using Your Radio

Boosting the Transmission Power

In most situations, 0.5W (UHF) and 1W (VHF) transmission power is all you need. If you find yourself far away from other stations and have trouble getting a response, you may need to boost the transmission power, for VHF, from 1W or 2.5W to 5W. For UHF, you can transmit power from 0.5W or 1.5W to 2.5W.

> ⚠️ **NOTE**
>
> Alkaline battery boost is limited to low and mid level in both UHF and VHF modes.
>
> Some Channels are 1W only and do not have power override capability. See channel list starting on page 33 for a list of power-restricted channels.

1. Select the UHF/VHF mode and then the channel you want to transmit on.
2. Press and hold ENT L/M/H button to switch to the next transmission power level (for example, for VHF, from 5W to 2.5W; from 2.5W to 1W, or from 1W back to 5W).
3. The display shows the new transmission power. The transmit power remains at the new setting until you change it again.

Some channels limit the transmission power to 1W. When you tune to a limited power channel, the radio automatically switches to 1W.

See the channel list starting on page 33 for a list of power-restricted channels.

INSTANT Channel Feature

Allows you to store one channel to the Instant key for one-touch access.

To program the Instant Channel:
Press and hold INST for 2 seconds to program the current channel as the Instant CH. Note: there is no INST icon.

To use the Instant Feature:
Press INST to toggle between the Instant Channel and the current channel.

Saving Channels to Memory

If you find a channel you like and want to listen to it again, save it to memory. Press and hold SCAN/MEM; the active channel is stored in memory and MEM displays. Press SCAN/MEM to scan the channels in memory.

Using Your Radio

<table>
<tr><td>⚠️
NOTE</td><td>You must have at least 2 channels in memory in order to use Scan mode. Channel 70 (VHF) cannot be stored into memory.</td></tr>
</table>

Press and hold SCAN/MEM again to remove the channel from memory.

Key Beep On/Off

Key beep is the tone that sounds when you press a key or a button. You cannot change the key beep volume.

Press and hold BAND/MENU to enter the Menu setting. Press ENT/L/ M/H till bP setting flashes on the LCD and then press CHANNEL UP or CHANNEL DOWN to turn on/off the key beep. Press ENT/L/M/H to save the setting.

Setting Key Lock

Press and hold VOL/LOCK to lock or unlock the keypad. If Key Lock is on, only PTT, Boost, and power on/off will operate. Key Lock remains in memory when the radio is turned off.

Backlight On/Off

The Backlight On/Off feature allows the user to turn on or off the LCD backlight. Press and hold BAND/MENU to enter the Menu setting. Press ENT/L/M/H till bL setting flashes on the LCD and then press CHANNEL UP or CHANNEL DOWN to turn on/off the LCD backlight. Press ENT/L/ M/H to save the setting.

Using the Battery Save feature

The Battery Save feature automatically turns off receive power at regular intervals to save battery power. Battery Save turns off when receiving transmissions or transmitting a response. It reactivates after 3 seconds of no activity (transmit or receive).

<table>
<tr><td>⚠️
NOTE</td><td>Battery Save does not work while in Scan mode or in Triple/Dual watch.</td></tr>
</table>

How it Works?

Your radio has three main operation modes for VHF Marine, UHF CB and Weather bands: Normal, Scan and Weather alert.

Mode	What it does	Use it to...	To turn it on/off
Normal (VHF Marine and UHF CB)	Monitors a single channel and lets you talk on that channel.	Monitor a channel or talk to another radio.	Press BAND/MENU
Scan (VHF Marine and UHF CB)	Monitors all the channels you save into memory. An error tone sounds if there are no channels saved to memory.	Check saved channels for traffic.	Press SCAN/MEM.
Normal (Weather only)	Monitors the selected weather channel WX Channels (VHF Marine Channel) CH67 (AUS) CH20-CH23 (NZ).	Hear the current or forecasted weather.	Press WX/POWER.

How it Works? (VHF Marine)

Band Select

To operate the radio in the Marine mode, press BAND/MENU and select VHF.

Normal Mode Operation

In Normal mode, you listen to a single channel until you change it.

- To transmit, remove the radio from the charger, then press and hold Push to Talk. Release the button when you are finished talking.

- For the best sound quality, hold the microphone about two inches from your mouth while you're talking.

- Press CHANNEL UP to move up one channel at a time. Press and hold the button to scroll quickly up the channels.

- Press CHANNEL DOWN to move down one channel at a time. Press and hold the button to scroll quickly down the channels.

- To change the transmit power, press and hold ENT/L/M/H button. The transmit power switches to the next transmit power each time you press and hold this button.

Normal mode with Triple Watch or Dual Watch

If you activate Triple Watch while operating in Normal VHF mode, the radio checks VHF channels 16 and 67 every two seconds; with Dual Watch turned on, the radio checks Instant channel every two seconds. The radio will not check channels 16 or 67 while you are actively transmitting; it waits until your transmission is finished and then checks the channels.

Press 16/67/TRI button to activate the Triple Watch or the Dual Watch. The setting for the Triple or Dual Watch is selected in the Menu mode.

Example:

Monitoring Channel 25

16 67   **16 67**   **16 67**
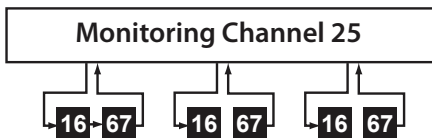
Every 2 seconds, the radio checks channels 16 & 67.

Triple Watch on

! NOTE	Private boats must monitor channel 16 whenever they are underway. Water-going vessels should have either Triple Watch or Dual Watch on at all times.

How it Works? (VHF Marine)

Scan Mode Operation

You can save channels into memory and then use Scan mode to monitor those channels from lowest to highest. If the radio detects a signal on a channel, it stays on that channel as long as the signal is received; when the signal stops, the radio continues scanning.

When it detects a signal, the radio stays on the channel until you press the *Channel Up* button or the signal stops.

Resume scan

08 ► 10 ► 11 ► 12 ► 13 ► 14 ► 15 ► 17

The radio scans about 5 channels in 0.5 seconds.

Using the radio in Scan Mode

- You must have at least two channels in memory to start a scan. However, you cannot save marine channel 70 or Weather channels.
- To activate Scan mode, press SCAN/MEM.
- You cannot transmit while in Scan mode.
- To save a channel into memory, select the channel, then press and hold SCAN/MEM. The MEM icon displays whenever you tune to that channel.
- To remove a channel from memory, set the radio to that channel, then press and hold SCAN/MEM. The MEM icon no longer displays.
- When the radio stays on a channel, press or CHANNEL UP to leave that channel and resume scanning.
- To end the scan, press the SCAN/MEM button again; the radio remains on the last scanned channel.

How it Works? (VHF Marine)

Scan mode with Triple Watch or Dual Watch

If you activate Triple Watch while operating in Scan mode, the radio checks channels 16 and 67 every two seconds, then goes on to scan the next channel; with Dual Watch turned on, the radio checks Instant channel every two seconds.

Memory Channel Scan

08 — 10 — 11 — 12 — 13 — 14 — 15 — 17 — 20 — 24 — 25 ▶

Every 2 seconds, the radio checks channels 16 & 67, then scans the next channel.

16 — 67

Triple Watch on
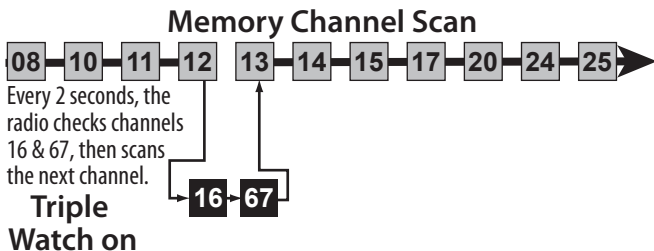
Weather Mode

In Weather mode, the radio monitors one of the five weather channels.

Using the radio in Weather Mode

Press the WX/POWER button to access Weather mode. Press CHANNEL UP or CHANNEL DOWN to scroll through the weather channels.To cancel Weather and return to the previous marine channel, press the WX/POWER button again. The last active weather channel displays the next time you access Weather mode.

How it Works? (UHF CB)

Band Select

To operate the radio in the UHF mode, press BAND/MENU and select UHF.

CTCSS

CTCSS is a feature that allows a group to talk to each other without hearing other users on the same channel.

1. Select desired channel.
2. Press and hold BAND/MENU to enter the Menu setting.
   Press ENT/L/M/H till DCS/CTCSS setting flashes.
3. Press CHANNEL UP or CHANNEL DOWN to change the selection.
4. Press ENT/L/M/H to save.

> ⚠️ **NOTE** Select **oF** to turn DCS/CTCSS off for the selected channel.

DCS

DCS is a digital extension of CTCSS. It provides 104 extra, digitally coded, squelch codes that follow after the 38 CTCSS codes. CTCSS 1-38, followed by DCS 1-104.

Follow the steps for changing CTCSS code but select DCS code as desired.

> ⚠️ **NOTE** Channels 05 and 35 are used for emergency channels. CTCSS and DCS will not operate on these two channels.

How it Works? (UHF CB)

Operate In Duplex Mode (Repeaters)

The Duplex function enables you to access local repeater stations.

> ⚠️ **NOTE** You can only activate Duplex on CH01-CH08 and CH41-CH48.

UHF CB Repeaters are used to retransmit or relay your signal. Repeaters will extend the range of your radio and overcome the shielding effect caused by solid obstructions.

Eg. CH01 is being used in your area for repeater use.

1. Select the correct channel.
2. Press and hold BAND/MENU to enter the Menu setting.
   Press ENT/L/M/H till dP setting flashes.
3. Press CHANNEL UP or CHANNEL DOWN to turn on or off the setting.
   r appears for CH01-CH08 and **n** appears
   for CH41-CH48 when duplex is selected.
4. Press ENT/L/M/H to save.

> ⚠️ **NOTE** Contact your retailer for a list of repeaters available in your area.

Operation with the aid of a Repeater

Repeater Station
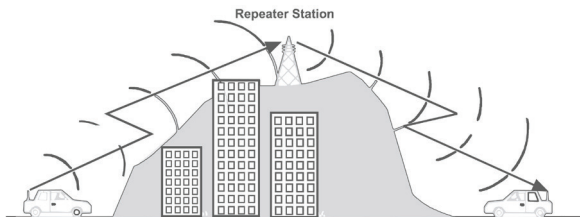
How it Works? (UHF CB)

Normal Mode Operation

In Normal mode, you listen to a single channel until you change it.

- To transmit, remove the radio from the charger, then press and hold Push to Talk. Release the button when you are finished talking.
- For the best sound quality, hold the microphone about two inches from your mouth while you're talking.
- Press CHANNEL UP to move up one channel at a time. Press and hold the button to scroll quickly up the channels.
- Press CHANNEL DOWN to move down one channel at a time.
- Press and hold the button to scroll quickly down the channels.
- To change the transmit power, press and hold ENT/L/M/H button. The transmit power switches to the next transmit power each time you press and hold this button.

Normal Mode with Dual Watch

If you activate Dual Watch while operating in Normal UHF mode, the radio checks Instant channel every two seconds.

- To activate Dual Watch, press and hold BAND/MENU to enter the Menu setting.
- Then press ENT/L/M/H till DUAL or TRI flashes on the LCD.
- Press CHANNEL UP or CHANNEL DOWN button to select DUAL and press ENT/L/M/H to save.
- Press and hold BAND/MENU to exit out of the Menu.
- Press 16/67/TRI button to activate the Dual Watch.

Normal Mode with Triple Watch

If you activate Triple Watch while operating in Normal UHF mode, the radio checks VHF channels 16 and 67 every two seconds along with a normal UHF channel. The radio will not check channels 16 or 67 while you are actively transmitting; it waits until your transmission is finished and then checks the channels.

- To activate Triple Watch, press and hold BAND/MENU to enter the Menu setting.
- Then press ENT/L/M/H till DUAL or TRI flashes on the LCD.
- Press CHANNEL UP or CHANNEL DOWN button to select TRI and press ENT/L/M/H to save.
- Press and hold BAND/MENU to exit out of the Menu.
- Press 16/67/TRI button to activate the Triple Watch.

How it Works? (UHF CB)

Example:

Monitoring Channel 25

16 67   16 67   16 67
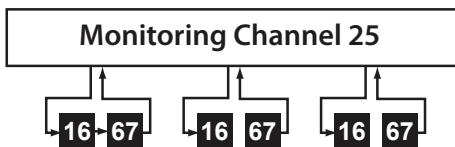
Every 2 seconds, the radio checks channels 16 & 67.

Triple Watch on

Scan Mode Operation

You can save channels into memory and then use Scan mode to monitor those channels from lowest to highest. If the radio detects a signal on a channel, it stays on that channel as long as the signal is received; when the signal stops, the radio continues scanning.

When it detects a signal, the radio stays on the channel until you press the *Channel Up* button or the signal stops.

Resume scan

08 10 11 12 13   14 ▲   15 17

The radio scans about 5 channels in 0.5 seconds.

Using the radio in Scan Mode

- You must have at least two channels in memory to start a scan. However, you cannot save marine channel 70 or Weather channels.
- To activate Scan mode, press SCAN/MEM.
- You cannot transmit while in Scan mode.
- To save a channel into memory, select the channel, then press and hold SCAN/MEM. The MEM icon displays whenever you tune to that channel.
- To remove a channel from memory, set the radio to that channel, then press and hold SCAN/MEM. The MEM icon no longer displays.
- When the radio stays on a channel, press CHANNEL UP to leave that

How it Works? (UHF CB)

channel and resume scanning.
• To end the scan, press the SCAN/MEM button again; the radio remains on the last scanned channel.

Scan Mode with Triple Watch or Dual Watch

If you activate Triple Watch while operating in Scan mode, the radio checks VHF channels 16 and 67 every two seconds, then goes on to scan the next channel; with Dual Watch turned on, the radio checks Instant channel every two seconds.

Busy Channel Lockout

This feature prevents accidental transmission on a busy channel. For example, BCL is used when CTCSS or DCS is selected to prevent transmission when the radio detects a transmission from another unit using the same CTCSS or DCS code.

1. Press and hold BAND/MENU to enter Menu setting.
2. Press ENT/L/M/H till LC setting flashes on the LCD. Press CHANNEL UP or CHANNEL DOWN to turn the setting on or off. When it is turned on BCL will appear on the screen. Press ENT/L/M/H to save.
3. Press and hold BAND/MENU to exit out of the Menu.

How it Works? (UHF CB)

Vibrator

This feature allows you to turn on/off the vibrator feature.

1. Press and hold BAND/MENU to enter Menu setting.
2. Press ENT/L/M/H till Vi setting flashes on the LCD. Press CHANNEL UP or CHANNEL DOWN to turn the setting on or off. When it is turned on 🔋 icon will appear on the LCD. Press ENT/L/M/H to save.
3. Press and hold BAND/MENU to exit out of the Menu.

> ⚠️ **NOTE**
> The MHS157 vibrates only when it meets the following conditions:
> • Vibrate setting is on.
> • 20 seconds have passed since a previous vibration. (This is enabled for the UHF band.)

Maintenance and Troubleshooting

Due to its rugged design, your radio requires very little maintenance. However, it is a precision electronic instrument, so you should follow a few precautions:

• If the antenna has been damaged, do not transmit except in an emergency situation. Transmitting with a defective antenna may cause further radio damage.

Common Questions

Problem	Things to try
The radio won't turn on.	Charge the radio.
The power LED on the charger doesn't turn on.	• Don't use the charger when the ambient temperature is below 5° C (41° F) or above 40° C (104° F). • Make sure the charging contacts on the radio and charger are clean. • Replace the battery.
The radio won't transmit.	• Make sure you are not in Weather or Scan mode. • Make sure you are not trying to transmit on a receive-only channel or transmit at the wrong power level for this channel (see the channel lists starting on page 33). • Check the battery power level; if it's low, charge the battery before trying to transmit. • Make sure the duration of each transmission is less than 5 minutes (VHF Marine) or 3 minutes (UHF CB).
I can't hear anything from the speaker.	Adjust the squelch level; it is probably too high.
The sound is muffled or the volume is low.	Clear water from the speaker grill.
Noise comes out of the speaker all the time.	Adjust the squelch level; it is probably too low.

I can transmit, but no one can hear me.	Check your UIC channel settings: does the area you are in use different channel assignments?
The display flashes, and I don't know why.	The channel number on the display will flash if the radio is in a Watch mode or in Scan mode. Try turning off scanning, Triple Watch, or Dual Watch (see page 9).
Where can I find my radio's serial number?	The serial number is on a plate inside the battery compartment.

Specifications

General	
Channels	VHF/UHF: All US/International/Canada channels
	5 Weather channels
Sub Codes (UHF CB)	38 Sub-Audible tones 104 DCS Codes
Oper. Temp.	-10°C (-4°F) to +50°C(+122°F)
Microphone	Built-in Electret type
Power Source	Rechargeable Lithium Ion Battery 7.4V 1100 mAh or 3 AAA Alkaline Batteries
Charger	DC 12V (DC10.8V - 15.0V) Charge time to full capacity: 7.5 hours (typical)
Size (without antenna)	136.6 (H) x 62.4 (W) x 45.2 (D) mm 5.26 (H) x 2.46 (W) x 1.7 (D) inch
Weight	266.4g (9.4oz) (w/battery)
Transmitter	
Frequency Range	UHF CB: 476.425 - 477.4125 MHz VHF: 156.025 - 157.425MHz
Frequency Stability	±2.5 PPM
RF Power Output (with Li-Ion battery)	UHF CB: 0.5W, 1.5W & 2.5W VHF CH: 1W, 2.5W & 5W
Spurious Emissions	UHF CB: -36dBm VHF: -32dBm
Current Drain	UHF: 1.0A @2.5W VHF: 1.3A @ 5W
Ham & Noise	UHF: 40dB VHF:45dB (nominal)

Receiver	
Type	Direct Conversion Phase Locked Loop system for Local Oscillator
Sensitivity	0.25 µV for 12dB SINAD (nominal)
Audio Frequency Response	+6.0 dB @ 500 Hz; -7.0 dB @ 2kHz
Adjacent Channel Selectivity	UHF: 65dB VHF: 75dB
Inter Modulation	69dB (nominal)
Audio Output Power	900mW @MAX Volume (nominal)
Current Drain	Squelched: 65 mA; Max. Audio: 360 mA

VHF Marine Channels and Frequencies (MHz)

US Channel Frequencies and Names

US Marine Channels			
Ch	RX Freq	TX Freq	Status	Name
1A	156.050	156.050	Simplex	Vessel traffic system/commercial
5A	156.250	156.250	Simplex	Vessel traffic system/commercial
6	156.300	156.300	Simplex	Inter-ship safety
7A	156.350	156.350	Simplex	Commercial
8	156.400	156.400	Simplex	Commercial
9	156.450	156.450	Simplex	Non commercial
10	156.500	156.500	Simplex	Commercial
11	156.550	156.550	Simplex	Vessel traffic system
12	156.600	156.600	Simplex	Vessel traffic system
13	156.650	156.650	Simplex, 1W	Bridge to bridge
14	156.700	156.700	Simplex	Vessel traffic system
15	156.750	Inhibit	Receive only	Environmental
16	156.800	156.800	Simplex	Distress, safety, and calling
17	156.850	156.850	Simplex, 1W	Govt maritime control
18A	156.900	156.900	Simplex	Commercial
19A	156.950	156.950	Simplex	Commercial
20	161.600	157.000	Duplex	Port operation
20A	157.000	157.000	Simplex	Port operation
21A	157.050	157.050	Simplex	Coast guard only
22A	157.100	157.100	Simplex	Coast guard
23A	157.150	157.150	Simplex	Coast guard only
24	161.800	157.200	Duplex	Marine operator
25	161.850	157.250	Duplex	Marine operator
26	161.900	157.300	Duplex	Marine operator
27	161.950	157.350	Duplex	Marine operator
28	162.000	157.400	Duplex	Marine operator
63A	156.175	156.175	Simplex	Vessel traffic system
65A	156.275	156.275	Simplex	Port operation
66A	156.325	156.325	Simplex	Port operation

US Marine Channels				
Ch	RX Freq	TX Freq	Status	Name
67	156.375	156.375	Simplex, 1W	Bridge To Bridge
68	156.425	156.425	Simplex	Non Commercial
69	156.475	156.475	Simplex	Non Commercial
70	156.525	Inhibit	Receive only	Digital Selective Calling
71	156.575	156.575	Simplex	Non Commercial
72	156.625	156.625	Simplex	Non Commercial (Ship-Ship)
73	156.675	156.675	Simplex	Port Operation
74	156.725	156.725	Simplex	Port Operation
75	156.775	156.775	Simplex, 1W	Port Operation
76	156.825	156.825	Simplex, 1W	Port Operation
77	156.875	156.875	Simplex, 1W	Port Operation (Ship-Ship)
78A	156.925	156.925	Simplex	Non Commercial
79A	156.975	156.975	Simplex	Commercial
80A	157.025	157.025	Simplex	Commercial
81A	157.075	157.075	Simplex	Coast Guard
82A	157.125	157.125	Simplex	Coast Guard
83A	157.175	157.175	Simplex	Government
84	161.825	157.225	Duplex	Marine Operator
85	161.875	157.275	Duplex	Marine Operator
86	161.925	157.325	Duplex	Marine Operator
87	157.375	157.375	Simplex	Marine Operator
88	157.425	157.425	Simplex	Commercial (Ship-Ship)

Canadian Channel Frequencies and Names

Ch	RX Freq	TX Freq	Status	Name
Canadian Marine Channels			
1	160.650	156.050	Duplex	Marine Operator
2	160.700	156.100	Duplex	Marine Operator
3	160.750	156.150	Duplex	Marine Operator
4A	156.200	156.200	Simplex	Canadian Coast Guard
5A	156.250	156.250	Simplex	Vessel Traffic System
6	156.300	156.300	Simplex	Inter-Ship Safety
7A	156.350	156.350	Simplex	Commercial
8	156.400	156.400	Simplex	Commercial
9	156.450	156.450	Simplex	Boater Calling Channel
10	156.500	156.500	Simplex	Commercial
11	156.550	156.550	Simplex	Vessel Traffic System
12	156.600	156.600	Simplex	Vessel Traffic System
13	156.650	156.650	Simplex, 1W	Bridge To Bridge
14	156.700	156.700	Simplex	Vessel Traffic System
15	156.750	156.750	Simplex, 1W	Environmental
16	156.800	156.800	Simplex	Distress, safety, calling
17	156.850	156.850	Simplex, 1W	State Control
18A	156.900	156.900	Simplex	Commercial
19A	156.950	156.950	Simplex	Canadian Coast Guard
20	161.600	157.000	Duplex, 1W	Port Operation
21A	157.050	157.050	Simplex	Canadian Coast Guard
22A	157.100	157.100	Simplex	Canadian Coast Guard
23	161.750	157.150	Duplex	Canadian Coast Guard
24	161.800	157.200	Duplex	Marine Operator
25	161.850	157.250	Duplex	Marine Operator
26	161.900	157.300	Duplex	Marine Operator
27	161.950	157.350	Duplex	Marine Operator
28	162.000	157.400	Duplex	Marine Operator
60	160.625	156.025	Duplex	Marine Operator
61A	156.075	156.075	Simplex	Canadian Coast Guard
62A	156.125	156.125	Simplex	Canadian Coast Guard

Canadian Marine Channels				
Ch	RX Freq	TX Freq	Status	Name
63A	156.175	156.175	Simplex	Port Operation
64	160.825	156.225	Duplex	Marine Operator
64A	156.225	156.225	Simplex	Port Operation
65A	156.275	156.275	Simplex	Port Operation
66A	156.325	156.325	Simplex, 1W	Port Operation
67	156.375	156.375	Simplex	Bridge To Bridge
68	156.425	156.425	Simplex	Non Commercial
69	156.475	156.475	Simplex	Non Commercial
70	156.525	Inhibit	Receive only	Digital Selective Calling
71	156.575	156.575	Simplex	Non Commercial
72	156.625	156.625	Simplex	Non Commercial
73	156.675	156.675	Simplex	Port Operation
74	156.725	156.725	Simplex	Port Operation
75	156.775	156.775	Simplex, 1W	Port Operation
76	156.825	156.825	Simplex, 1W	Port Operation
77	156.875	156.875	Simplex, 1W	Port Operation
78A	156.925	156.925	Simplex	Inter Ship
79A	156.975	156.975	Simplex	Inter Ship
80A	157.025	157.025	Simplex	Inter Ship
81A	157.075	157.075	Simplex	Canadian Coast Guard
82A	157.125	157.125	Simplex	Canadian Coast Guard
83	161.775	157.175	Duplex	Canadian Coast Guard
83A	157.175	157.175	Simplex	Canadian Coast Guard
84	161.825	157.225	Duplex	Marine Operator
85	161.875	157.275	Duplex	Marine Operator
86	161.925	157.325	Duplex	Marine Operator
87	157.375	157.375	Simplex	Port Operation
88	157.425	157.425	Simplex	Port Operation

International Channel Frequencies and Names

			International Marine Channels	
Ch	RX Freq	TX Freq	Status	Name
1	160.650	156.050	Duplex	Marine operator
2	160.700	156.100	Duplex	Marine operator
3	160.750	156.150	Duplex	Marine operator
4	160.800	156.200	Duplex	Marine operator
5	160.850	156.250	Duplex	Marine operator
6	156.300	156.300	Simplex	Inter-ship safety
7	160.950	156.350	Duplex	Marine operator
8	156.400	156.400	Simplex	Commercial (ship-ship)
9	156.450	156.450	Simplex	Boater calling channel
10	156.500	156.500	Simplex	Commercial
11	156.550	156.550	Simplex	Vessel traffic system
12	156.600	156.600	Simplex	Vessel traffic system
13	156.650	156.650	Simplex	Bridge to bridge
14	156.700	156.700	Simplex	Vessel traffic system
15	156.750	156.750	Simplex, 1W	Environmental
16	156.800	156.800	Simplex	Distress, safety, calling
17	156.850	156.850	Simplex, 1W	Govt maritime control
18	161.500	156.900	Duplex	Port operation
19	161.550	156.950	Duplex	Commercial
20	161.600	157.000	Duplex	Port operation
21	161.650	157.050	Duplex	Port operation
22	161.700	157.100	Duplex	Port operation
23	161.750	157.150	Duplex	Marine operator
24	161.800	157.200	Duplex	Marine operator
25	161.850	157.250	Duplex	Marine operator
26	161.900	157.300	Duplex	Marine operator
27	161.950	157.350	Duplex	Marine operator
28	162.000	157.400	Duplex	Marine operator
60	160.625	156.025	Duplex	Marine operator
61	160.675	156.075	Duplex	Marine operator
62	160.725	156.125	Duplex	Marine operator
63	160.775	156.175	Duplex	Marine operator
64	160.825	156.225	Duplex	Marine operator
65	160.875	156.275	Duplex	Marine operator

International Marine Channels				
Ch	RX Freq	TX Freq	Status	Name
66	160.925	156.325	Duplex	Marine operator
67	156.375	156.375	Simplex	Bridge to bridge
68	156.425	156.425	Simplex	Non commercial
69	156.475	156.475	Simplex	Non commercial
70	156.525	Inhibit	Receive only	Digital Selective Calling
71	156.575	156.575	Simplex	Non commercial
72	156.625	156.625	Simplex	Non commercial
73	156.675	156.675	Simplex	Port operation
74	156.725	156.725	Simplex	Port operation
75	156.775	156.775	Simplex, 1W	Port operation
76	156.825	156.825	Simplex, 1W	Port operation
77	156.875	156.875	Simplex	Port operation (ship-ship)
78	161.525	156.925	Duplex	Port operation
79	161.575	156.975	Duplex	Port operation
80	161.625	157.025	Duplex	Port operation
81	161.675	157.075	Duplex	Port operation
82	161.725	157.125	Duplex	Port operation
83	161.775	157.175	Duplex	Port operation
84	161.825	157.225	Duplex	Marine operator
85	161.875	157.275	Duplex	Marine operator
86	161.925	157.325	Duplex	Marine operator
87	157.375	157.375	Simplex	Marine operator
88	157.425	157.425	Simplex	Marine operator

UHF-CB Channel Guidelines

NOTE

Always listen on a channel (or observe the receive signal level meter) to ensure it is not already being used before transmitting.

Channels 5 and 35 are used for emergency channels.
CTCSS, DCS will not operate on these channels.

Please follow these guidelines for channel use in Australia:
• Channels 05 and 35 are Emergency Channels.
• Channel 11 is a Calling Channel.
• Channels 22 and 23 are for telemetry and telecommand applications, channels 61, 62 and 63 are for future use and TX is inhibited on these channels.

General communication is accepted on all other channels with these guidelines:
• Channel 40 - road channel (Australia).
• Channels 01-08 (and 31-38), and Channels 41-48 (and 71-78) are repeater channels.

NOTE

Important information - 80 Channel UHF-CB channel expansion

To provide all users additional channel capacity within the UHF-CB Band. The ACMA will change the majority of the current wideband 40 channel use to narrowband channel use. This allows for additional channels to be added, up to 80 Channels.

This simply means that the new narrowband radio you have purchased will have more channels than older radios. Please refer to the guidelines above and the channel chart for further channel information.

A list of currently authorised channels can also be obtained from the ACMA website in Australia and the MBIE website in New Zealand.

Interference / Poor Audio

When a new narrowband radio receives a signal from an older wideband radio the speech may sound loud.

Narrowband radios operating on CH41 - CH80 may encounter interference from a nearby wideband radios transmitting on high power on an adjacent channel (frequency).

When an older wideband radio receives a signal from a new narrowband radio the speech may sound quiet - the wideband radio user simply adjusts their radio volume for best performance.

The above situations are not a fault of the radio but a symptom of mixed wideband and narrowband radios in current use. It is expected that as older wideband radios are phased out this issue will be eliminated.

CTCSS Codes and Frequencies

Code No.	Frequency (Hz)	Code No.	Frequency (Hz)
"oF'	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	223.6
17	118.8	37	241.8
18	123.0	38	250.3
19	127.3		

DCS Codes Table

Code No.	DCS Code (Octal)	Code No.	DCS Code (Octal)	Code No.	DCS Code (Octal)
1	023	36	223	71	445
2	025	37	225	72	446
3	026	38	226	73	452
4	031	39	243	74	454
5	032	40	244	75	455
6	036	41	245	76	462
7	043	42	246	77	464
8	047	43	251	78	465
9	051	44	252	79	466
10	053	45	255	80	503
11	054	46	261	81	506
12	065	47	263	82	516
13	071	48	265	83	523
14	072	49	266	84	526
15	073	50	271	85	532
16	074	51	274	86	546
17	114	52	306	87	565
18	115	53	311	88	606
19	116	54	315	89	612
20	122	55	325	90	624
21	125	56	331	91	627
22	131	57	332	92	631
23	132	58	343	93	632
24	134	59	346	94	654
25	143	60	351	95	662
26	145	61	356	96	664
27	152	62	364	97	703
28	155	63	365	98	712
29	156	64	371	99	723
30	162	65	411	100	731
31	165	66	412	101	732
32	172	67	413	102	734
33	174	68	423	103	743
34	205	69	431	104	754
35	212	70	432		

UHF-CB Channels and Frequencies

CH No.	Simplex Mode Transmit / Receive Frequency (MHz)	Duplex Mode Transmit Frequency (MHz)	CH No.	Simplex Mode Transmit / Receive Frequency (MHz)
1	476.425	477.175 (CH31)	21	476.925
2	476.450	477.200 (CH32)	22	476.950 (RX only)
3	476.475	477.225 (CH33)	23	476.975 (RX only)
4	476.500	477.250 (CH34)	24	477.000
5	476.525	477.275 (CH35)	25	477.025
6	476.550	477.300 (CH36)	26	477.050
7	476.575	477.325 (CH37)	27	477.075
8	476.600	477.350 (CH38)	28	477.100
9	476.625		29	477.125
10	476.650		30	477.150
11	476.675		31	477.175
12	476.700		32	477.200
13	476.725		33	477.225
14	476.750		34	477.250
15	476.775		35	477.275
16	476.800		36	477.300
17	476.825		37	477.325
18	476.850		38	477.350
19	476.875		39	477.375
20	476.900		40	477.400

UHF-CB Channels and Frequencies

CH No.	Simplex Mode Transmit / Receive Frequency (MHz)	Duplex Mode Transmit Frequency (MHz)	CH No.	Simplex Mode Transmit / Receive Frequency (MHz)
41	476.4375	477.1875 (CH 71)	61	476.9375 (RX only)
42	476.4625	477.2125 (CH 72)	62	476.9625 (RX only)
43	476.4875	477.2375 (CH 73)	63	476.9875 (RX only)
44	476.5125	477.2625 (CH 74)	64	477.0125
45	476.5375	477.2875 (CH 75)	65	477.0375
46	476.5625	477.3125 (CH 76)	66	477.0625
47	476.5875	477.3375 (CH 77)	67	477.0875
48	476.6125	477.3625 (CH 78)	68	477.1125
49	476.6375		69	477.1375
50	476.6625		70	477.1625
51	476.6875		71	477.1875
52	476.7125		72	477.2125
53	476.7375		73	477.2375
54	476.7625		74	477.2625
55	476.7875		75	477.2875
56	476.8125		76	477.3125
57	476.8375		77	477.3375
58	476.8625		78	477.3625
59	476.8875		79	477.3875
60	476.9125		80	477.4125

Regulations and Safety Warnings

Lithium-Ion Polymer Battery Warning

This equipment contains a rechargeable Lithium-Ion Polymer battery. The rechargeable Lithium-Ion Polymer battery contained in this equipment may explode if disposed of in a fire.

Do not short-circuit the battery.

Do not charge the rechargeable battery used in this equipment in any charger other than the one specified in the owner's manual. Using another charger may damage the battery or cause the battery to explode.

NOTE: Li-Ion Polymer batteries must be recycled or disposed of properly.

Avoid exposing the battery (whether attached to the radio or not) to direct sunlight, heated cars, or temperatures below -4°F (-20°C) or above +140°F (+60°C). Exposing the chemical contained within the battery pack to temperatures above +140°F (+60°C) may cause the battery to rupture, fail, or reduce performance.

In case of exposure to the cell contents, wash the affected area thoroughly, and seek medical attention.

Warranty

UNIDEN MHS157 Handheld VHF Marine Transceiver

IMPORTANT: Satisfactory evidence of the original purchase is required for warranty service

Please refer to our Uniden website for any details or warranty durations offered in addition to those contained below.

Warrantor: The warrantor is Uniden Australia Pty Limited ABN 58 001 865 498 ("Uniden").

Terms of Warranty: Uniden warrants to the original retail purchaser only that the MHS157 ("the Product"), will be free from defects in materials and craftsmanship for the duration of the warranty period, subject to the limitations and exclusions set out below.

Warranty period: This warranty to the original retail purchaser is only valid in the original country of purchase for a Product first purchased either in Australia or New Zealand and will expire three (3) years from the date of the original retail sale.

If a warranty claim is made, this warranty will not apply if the Product is found by Uniden to be:

(A)   Damaged or not maintained in a reasonable manner or as recommended in the relevant Uniden Owner's Manual;
(B)   Modified, altered or used as part of any conversion kits, subassemblies or any configurations not sold by Uniden;
(C)   Improperly installed contrary to instructions contained in the relevant Owner's Manual
(D)   Repaired by someone other than an authorized Uniden Repair Agent in relation to a defect or malfunction covered by this warranty; or
(E)   Used in conjunction with any equipment, parts or a system not manufactured by Uniden.

Parts Covered: This warranty covers the Product and included accessories.

User-generated Data: This warranty does not cover any claimed loss of or damage to user-generated data (including but without limitation phone numbers, addresses and images) that may be stored on your Product.

Statement of Remedy: If the Product is found not to conform to this warranty as stated above, the Warrantor, at its discretion, will either repair the defect or replace the Product without any charge for parts or service. This warranty does not include any reimbursement or payment of any consequential damages claimed to arise from a Product's failure to comply with the warranty.

Our goods 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 for 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.

This warranty is in addition to and sits alongside your rights under either the COMPETITION AND CONSUMER ACT 2010 (Australia) or the CONSUMER GUARANTEES ACT (New Zealand) as the case may be, none of which can be excluded.

Procedure for obtaining warranty service: Depending on the country in which the Product was first purchased, if you believe that your Product does not conform with this warranty, you should deliver the Product, together with satisfactory evidence of your original purchase (such as a legible copy of the sales docket) to Uniden at the address shown below. You should contact Uniden regarding any compensation that may be payable for your expenses incurred in making a warranty claim. Prior to delivery, we recommend that you make a backup copy of any phone numbers, images or other data stored on your Product, in case it is lost or damaged during warranty service.

UNIDEN AUSTRALIA PTY LTD
Phone: 1300 366 895
Email: custservice@uniden.com.au

Uniden®