



ECOXGEAR

**VHF MARINE RADIO
3W HANDHELD**

**EXM300
USER GUIDE**



Warnings and Notifications



OPERATING RULES

Priorities

- Read all rules and regulations pertaining to priorities and keep an up-to-date copy handy. Safety and distress calls take priority over all other calls.
- You must always monitor Channel 16 when you are not operating on another channel.
 - False or fraudulent distress calls are prohibited under law.



Privacy

- Information overheard, but not intended for you, cannot be used in any way by law.
- Indecent or profane language is prohibited.

Water resistant level.

Note: The radio, with battery cover and accessory/charging jack cover fully sealed, will resist water to the waterproof/submersible IP67 level.

The radio will float with supplied batteries installed and with the battery cover and accessory/charging jack cover fully sealed.



The radio is only waterproof when the battery cover and accessory cap is properly closed.

If not properly closed the unit is NOT watertight and may not float.



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INTRODUCTION

Thank you for choosing the ECOXGEAR EXM300 3 Watt IP67 Waterproof, Dustproof & Floating VHF Marine handheld Radio. Please read all instructions carefully before using the EXM300.



NOTE

RADIO LICENCES

Ship Station License

When your craft is equipped with a VHF FM radio, you must have a current radio station licence before using the radio.

It is unlawful to operate a ship station which is not licensed.

Inquire through your dealer or the appropriate government agency for a Ship-Radiotelephone license. This license includes the call sign which is your craft's identification for radio purposes.



NOTE

Operators License

Under normal circumstances this radio should only be operated by a qualified person.

More information regarding qualified persons can be found at www.acma.gov.au/theACMA/marine-radio-qualifications.

For boaters, the Australian Waters Qualification is a must have VHF radio qualification and is ideal for casual boaters who only need to operate a marine radio in Australian waters (within 12 nautical miles of the coast).

A Marine Operators Certificate is the license most often held by small vessel radio operators when a radio is not required for safety purposes.

Only a licensed radio operator may operate a radio. However, non-licensed individuals may talk over a radio if a licensed operator starts, supervises, ends the call and makes the necessary log entries.

A current copy of the applicable government rules and regulations is only required to be on hand for vessels in which a radio telephone is compulsory. However, even if you are not required to have these on hand it is your responsibility to be thoroughly acquainted with all pertinent rules and regulations.



NOTE

RANGE

The range of VHF transmissions depends on antenna height, transmitter power and the terrain over which the signals pass. For a 3 watt handheld radio, ship to ship communications up to 3 nautical miles should be possible. Ship to shore ranges will often be greater due to the increased height of the shore antenna.



BOX CONTENTS

CHECK THE PACK CONTENTS

Please remove radio from its packaging carefully. Ensure that the box has the following items before disposing of the packaging. If any of the items are lost or damaged, contact your place of purchase immediately.

Item	Quantity
EXM300 VHF Marine Radio	1
AA NiMH Rechargeable Batteries (1200mAh)	3
Desktop Charging Cradle with mount screws	1
USB-C Charging Cable	1
AC Adaptor Power Supply	1
Belt Clip	1
User Guide	1

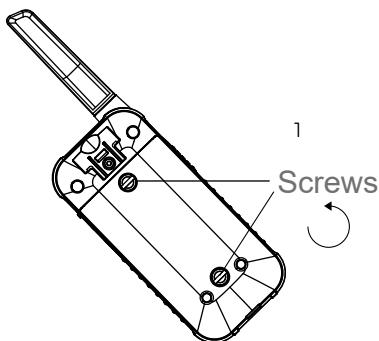




GETTING STARTED

Installing the Batteries

Your radio requires 3 AA NiMH Rechargeable batteries (supplied) or 3 AA Alkaline batteries.

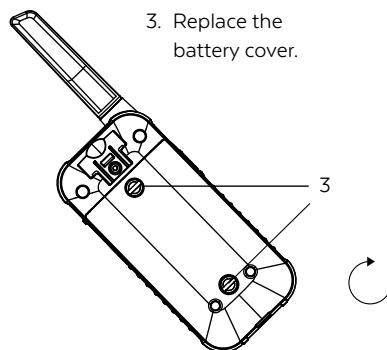
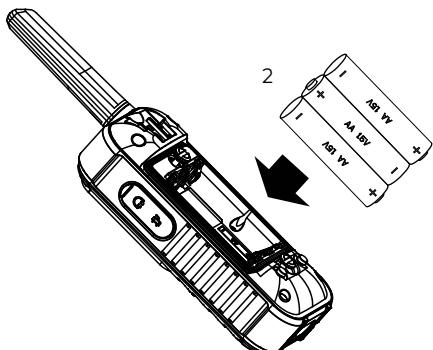


1. With the back of the radio facing you, unscrew the two screws of the battery cover to remove.

2. Use a flat screwdriver to fasten/unfasten the screws.

TIP! As a temporary measure, use the flat tip of the belt clip to fasten/unfasten the screws.

2. Install 3 NiMH rechargeable batteries, or AA Alkaline batteries as shown on the inside of the battery compartment.



NOTE

1. Only charge NiMH rechargeable batteries.
2. Do not mix and use old/new/alkaline/NiMH batteries.
3. Charge only at room temperatures.
4. Remove the batteries from the radio for storage.
5. Batteries may corrode over time and cause permanent damage to your devices.
6. Recharge the NiMH batteries once every 3 months when not in use.



GETTING STARTED

Charging Rechargeable Batteries

You can charge each radio directly via the charge jack, or in the charge cradle.

Connect the USB-C end of the charge cable to the radio charge jack or the cradle charge jack and the USB end to the USB-C AC adaptor (or USB Cig-lead Adaptor). Plug the AC adaptor into a wall outlet.

- Before operating the radio, charge the rechargeable batteries for 8 hours without interruption.
- Do not transmit when the radio is charging.

The changing battery icon on the display indicates the battery is charging.

Radio Battery Meter

Battery bars indicate the battery level. When the battery meter shows 0 bars, the battery icon blinks and the device goes into low battery mode with a beep every 10 seconds to indicate low battery.

Low Battery Alert

If the battery level becomes low, the radio will go into a Battery Low Mode. The Transmit Mode is disabled. A beep will sound if PTT is pressed in this condition. Recharge the NiMH rechargeable batteries immediately, or replace Alkaline batteries immediately, to continue using the radio.

Power Save

Your radio has a unique circuit designed to dramatically extend the life of the batteries. If there is no transmission nor an incoming call within 5 seconds, your radio switches to the Power Save mode. The radio is still able to receive transmissions in this mode.

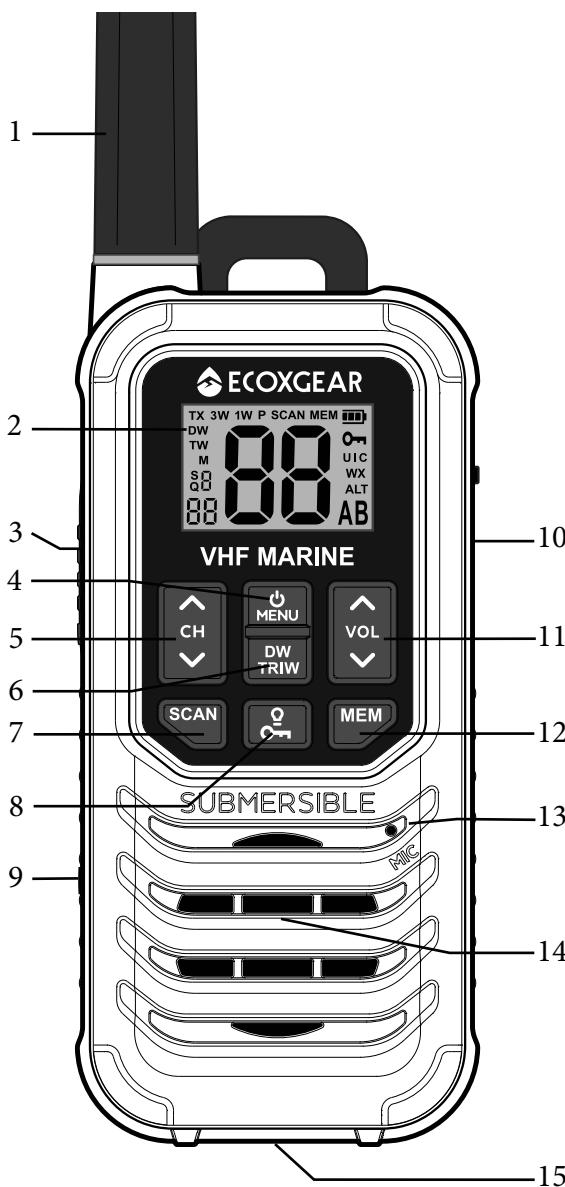
Belt Clip

To attach: Slide the belt clip down into the catch until it snaps into place.

To remove: Pinch and hold belt clip latch and slide the belt clip upwards.

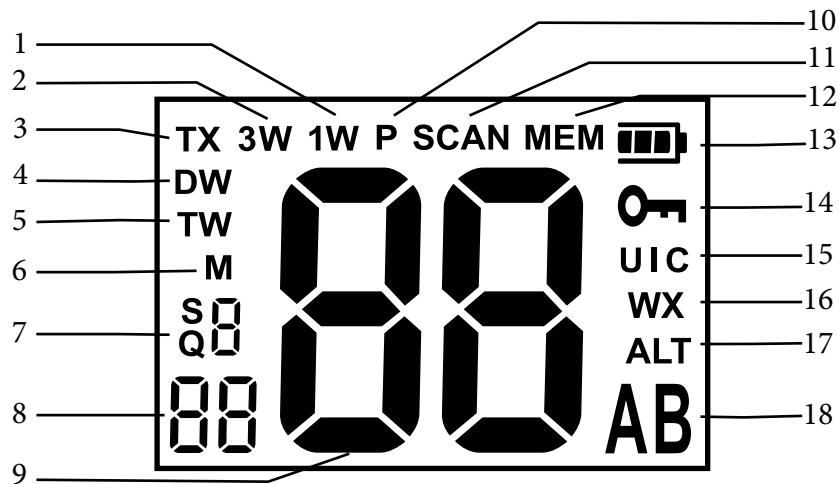


CONTROLS & INDICATORS





LCD DISPLAY



No.	Description	
1	1W	1 Watt Transmit Power
2	3W	3 Watt Transmit Power
3	TX	Transmitting
4	DW	Dual Watch Mode
5	TW	Triple Watch Mode
6	M	Channel is in memory (for Mem SCAN)
7	SQ 0-9	Squelch Level
8	88	Indicator
9	88	Main Channel Indicator

No.	Description	
10	P	Priority CH16 Scan / Current Programmable (P) Channel
11	SCAN	Scanning
12	MEM	Memory Scan Mode
13	BATTERY	Battery Level Indicator
14	KEYLOCK	Keylock is ON
15	U I C	USA / International / Canada Band Indicator
16	WX	Weather Channel (USA/CAN band only)
17	ALT	Alert monitoring - Weather Channel Enabled (USA/CAN band only)
18	A B	Channel Indicator



OPERATION | KEYS

Power ON/OFF

Press and hold the **MENU** key to turn your radio ON/OFF. When turning on, the radio chirps and the display briefly shows all the display icons before showing the current standby mode of your radio.

Display Backlight

Your radio has an automatic display back light which remains on for 10 seconds* after a key press (all keys except the PTT key). The back light will work even if the keypad is locked.

* The display backlight timeout can be turned off, or changed between 5 seconds and 10 seconds in the MENU.

Setting the Volume

Press the **(VOL)** UP key to increase the speaker volume.

Press the **(VOL)** DOWN key to decrease the speaker volume.

The speaker volume setting is indicated by 'L'. The volume level range is from 0 (mute) to 7 (maximum).

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

Selecting a Channel

Press the **(CH)** UP or **(CH)** DOWN key to select the desired channel. If you press and hold **(CH)** UP or **(CH)** DOWN the channel numbers will scroll incrementally.

The radio uses the VHF Marine channels for the enabled region band - U (USA), I (International) or C (Canada). The default setting is International band. See p18 for VHF Marine Channel Frequencies and Usage.

16/P

Emergency CH 16

Press **16/P** key to toggle between the Emergency CH 16, the programmed P channel, and the current channel.

Programmable (P) Channel

Press and hold **16/P** key to set (store) the current channel as the programmed P channel. The P icon displays.



OPERATION | KEYS

Talking and Listening | PTT

To communicate, all radios in your group must be set to the same Channel to talk, press and hold the **PTT** button.

TX Indicates transmission. The transmit power can be selected between 1 Watt (LO) and 3 Watt (HI) in the menu. NOTE: Some designated channels may be restricted to 1W transmissions automatically.

Hold the radio 5 to 7 cm away from your mouth when speaking. When you are finished speaking, release the **PTT** button to listen.

Checking the Channel Before Transmitting

For uninterrupted communication, do not talk on a channel if someone else is currently talking on it.

Push to Talk Timeout Timer

To prevent accidental transmissions and save battery life, the radio emits a continuous warning tone and stops transmitting if you press PTT for 5 continuous minutes.



OPERATION | KEYS

Dual (Channel) Watch

Monitor the Emergency CH 16 along with the current channel with this setting.

Press the **DW** key to start or exit Dual Watch mode.

The **DW** icon and CH 16 will flash when in Dual Watch mode.

Triple (Channel) Watch

Monitor the Emergency CH 16, the programmed P channel, along with the current channel with this setting.

Press and hold **DW/TRIW** key to start or exit Triple Watch mode.

The **TW** icon, CH 16, programmed P channel will flash when in Triple Watch mode.

Scanning Channels

Use scanning to monitor all channels, consecutively, for active transmissions.

Note: If MEM Scan mode has been enabled (flashing MEM icon), then the SCAN feature will scan only the channels in the memory list.

To start scanning:

Press **SCAN** to start or exit scanning. The **SCAN** icon and scan graphic flashes during scan mode.

When the radio detects channel activity, it stops scanning and you can hear the transmission. To respond to the transmission, press the **PTT** key within 3 seconds, the channel will be confirmed.

P SCAN (Scan with Priority Channel 16)

Use P Scan to monitor the Priority Channel 16 channel during Scan (all channels) or MEM Scan.

To start scanning:

Press and hold **SCAN** to start or exit scanning.

The **PSCAN** icon and scan graphic flashes during scan mode.

When the radio detects channel activity, it stops scanning and you can hear the transmission. To respond to the transmission, press the **PTT** key within 3 seconds, the channel will be confirmed.



OPERATION | KEYS

MEM (Scan) Mode

This mode allows Scanning only of channels that have been stored the memory (M) list. The memory list can store up to 10 channels.

Storing a channel into memory

Use CH UP/DOWN to scroll to the required channel. Press and hold **MEM** to store channel into memory. **M** icon appears next to channel. The memory list can store up to 10 channels.

Removing a channel from memory

Press and hold **MEM** on any channel already in the memory storage will remove that channel from memory. **M** icon will disappear.

View the channels in the memory list

Press **MEM** to enter MEM mode. **MEM** icon flashes to indicate MEM mode is enabled. In MEM mode, use CH UP/DOWN to cycle through the stored memory channels.

Press **MEM** again exit MEM mode.

MEM Scanning

Press **MEM** to enable MEM mode.

In MEM mode, press **SCAN**. Scan starts on all stored channels, and **SCAN** and **MEM** icon will flash. To exit, press **SCAN** (exits MEM scan but stays in MEM mode). Press **MEM** again to exit MEM mode. See P SCAN function p12, to scan MEM channels as well as monitoring the Priority Channel 16.

LED Torch

To use the built-in LED flashlight;

Press the Torch/Lock key to turn the LED Torch ON or OFF.

Note: The torch function requires the radio to be powered on.

Key Lock ON/OFF

To lock the key pad:

Press and hold the Torch/Lock key for 2 seconds until the key lock indicator appears.

When Keylock is activated, only the PTT, Volume, 16/P and Power key functions will respond.

To unlock the key pad:

Press and hold the Torch/Lock key for 2 seconds until the key lock indicator disappears.



OPERATION | MENU

MENU List | MENU Settings

Open the MENU - Press the **MENU** key
Step through the MENU - Press the **MENU** key again
Change current Setting - Press **(CH)** UP/DOWN or **(VOL)** UPDOWN key
Save & Exit the MENU - Press the **PTT** key or Press and hold **MENU** key

1. Squelch Level Setting (Listening Mute)
2. Transmit Power Setting
3. Band (Region) Selection
4. Weather Channel Selection
5. Key Beep ON/OFF
6. Display Backlight Setting
7. Front Keys Backlight Setting
8. Channel Digit Display (2-digit/4-digit)
9. Reset to Factory Settings

1. Setting the Squelch Level

The Squelch circuit controls when the Radio's speaker turns on.

Without the squelch, or with the squelch level set to 0, you will hear constant static noise from the speaker in-between actual signals.

The squelch circuit mutes the speaker when there is no signal, or no strong signal.

0,	Open Squelch, useful if listening for very weak (distant) signals.
1,	Minimum Squelch Level, weak signals will open the squelch
2 - 8,	Adjust as needed to suit signal environment
9	Maximum Squelch Level, only strong signals will open the Squelch

2. Transmit Power

Select the transmit power.

Press **MENU** key two times. **Po** will display along with the current setting (HI for 3W, LO for 1W).

Note: Some channels are limited to 1W maximum transmit power. See p18 for VHF Marine Channel Frequencies and Usage.



OPERATION | MENU

3. BAND (Region) Selection

This feature sets the Channel Frequency Band used by the radio. The EXM300 can operate in USA, International or Canadian channel frequency band. Note: Outside of USA and Canadian waters, use International Band.

Press the **MENU** key three times. **UIC** icon will display. The current setting (U, I or C) will flash.

See p18 for VHF Marine Channel Frequencies and Usage.

4. Weather Channel Selection

NOTE: This feature is only available for USA and Canadian Channel Frequency Bands.

This feature enables you to select a Weather Channel (where available) and monitor it to listen for weather alerts and information.

Press the **MENU** key four times. **WX** icon will display. The current setting (OFF, Weather CH 01-10) will display.

Check p21 for Weather Channel No. and Frequencies.

After a WX channel is enabled, if you do not exit the MENU the radio will stay on the WX channel for you to listen for broadcast information.

When you exit the MENU after selecting a WX channel the radio will monitor the WX channel in the background. **ALT** icon will display indicating a WX channel is enabled for background monitoring. If an Alert is Received on the WX Channel:

- 1) The radio switches to the WX channel and sounds the alert tone for 3 seconds.
- 2) The radio will stay on the WX channel.
- 3) To exit from listening to the WX channel, press **PTT**, or press and hold **MENU**.

5. Key Beep ON/OFF

Disable or enable the key beep.

Press the **MENU** key five times. **bP** will display. The current setting (ON or OFF) will flash.



OPERATION | MENU

6. Display Backlight ON/OFF

Disable or enable or change the display backlight timeout between 5 sec and 10 sec.

Press the **MENU** key six times. **d bL** will display. The current setting (ON or OFF) will flash.

7. Front Keys Backlight ON/OFF

Disable or enable the front keypad backlight.

Press the **MENU** key seven times. Keylock icon and **bL** will display. The current setting (ON or OFF) will flash.

8. Channel Digit Display (2-Digit / 4-Digit)

The radio can display channels in 2-Digit or 4-Digit format.

Press the **MENU** key eight times. **CH** will display. The current format (2-d or 4-d) will flash.

See p18 for VHF Marine Channel Frequencies and Usage.

9. RESET to Factory Settings

The radio can be reset back to factory settings as follows.

Press the **MENU** key nine times. **rE** will display. Press **(CH)** UP/DOWN or **(VOL)** UPDOWN key to change selection from N (no) to Y (yes), and then press **MENU** key to action the reset.

The software version momentarily displays before the radio restarts with factory settings.



OPERATION | SPECIAL FUNCTIONS

Water Activated Torch

The LED torch will activate automatically when the radio is submersed in water.

Water resistant level.

Note: The radio, with battery cover and accessory/charging jack cover fully sealed, will resist water to the waterproof/submersible IP67* level.



*The radio is protected against solid objects like dust and sand, and it has been tested to work for at least 30 minutes while under 15cm to 1m of water ONLY if the battery cover and accessory/charging jack cover is properly closed.

The radio will float with supplied batteries installed and with the battery cover and accessory/charging jack cover fully sealed.



If not properly closed the unit is NOT watertight and may not float.



VHF MARINE | CHANNEL USAGE

USA BAND

CH 4-Digit	CH 2-Digit	EXM300 TX RX		Simplex/ Duplex	Usage
1001	01A	156.050		Simplex	Commercial, Vessel Traffic System
1005	05A	156.250		Simplex	Commercial, Vessel Traffic System
06	06	156.300		Simplex	Intership
1007	07A	156.350		Simplex	Commercial
08	08	156.400		Simplex	Intership, Ship Stations
09	09	156.450		Simplex	Intership
10	10	156.500		Simplex	Intership
11	11	156.550		Simplex	
12	12	156.600		Simplex	
13	13	156.650		Simplex	Intership
14	14	156.700		Simplex	
15	15	---	156.750	Simplex	Receive Only
16	16	156.800		Simplex	DISTRESS, SAFETY AND CALLING
17	17	156.850		Simplex	1W, Intership
1018	18A	156.900		Simplex	Commercial
1019	19A	156.950		Simplex	USA: Commercial, CAN: Coast Guard INT: Port Operations and Ship Movement
20	20	157.000	161.600	Duplex	INT: Port Operations, Ship Movement, Public Correspondence CAN: Coast Guard only
1020	20A	157.000		Simplex	
1021	21A	157.050		Simplex	USA: U.S. Government Only, CAN: Coast Guard only
1022	22A	157.100		Simplex	USA: Coast Guard Liaison and Maritime Safety Information Broadcasts, CAN: CMB service Only
1023	23A	157.150		Simplex	U.S. Government Only
24	24	157.200	161.800	Duplex	Port Operations and Ship Movement, Public Correspondence
25	25	157.250	161.850	Duplex	Port Operations and Ship Movement, Public Correspondence
26	26	157.300	161.900	Duplex	Port Operations and Ship Movement, Public Correspondence
27	27	157.350	161.950	Duplex	Port Operations and Ship Movement, Public Correspondence
28	28	157.400	162.000	Duplex	Port Operations and Ship Movement, Public Correspondence
1063	63A	156.175		Simplex	Port Operation and Commercial, VTS in selected areas
1064	64A	156.225		Simplex	Port Operations and Ship Movement, Public Correspondence
1065	65A	156.275		Simplex	Port Operations
1066	66A	156.325		Simplex	Port Operations



VHF MARINE | CHANNEL USAGE

USA BAND

CH 4-Digit	CH 2-Digit	EXM300 TX RX		Simplex/ Duplex	Usage
67	67	156.375		Simplex	Intership
68	68	156.425		Simplex	
69	69	156.475		Simplex	Intership
71	71	156.575		Simplex	Port Operations and Ship Movement
72	72	156.625		Simplex	Intership
73	73	156.675		Simplex	Intership
74	74	156.725		Simplex	
77	77	156.875		Simplex	Intership
1078	78A	156.925		Simplex	
1079	79A	156.975		Simplex	
1080	80A	157.025		Simplex	Commercial
1081	81A	157.075		Simplex	USA: Government Only, CAN: Coast Guard Only
1082	82A	157.125		Simplex	USA: Government Only, CAN: Coast Guard Only
1083	83A	157.175		Simplex	USA: Government Only, CAN: Coast Guard Only
84	84	157.225	161.825	Duplex	Port Operations and Ship Movement, Public Correspondence
85	85	157.275	161.875	Duplex	Port Operations and Ship Movement, Public Correspondence
86	86	157.325	161.925	Duplex	Port Operations and Ship Movement, Public Correspondence
87	87	157.375		Simplex	
88	88	157.425		Simplex	

Note: In the USA Band, simplex channels, 1021, 1023, 1061, 1064, 1081, 1082 and 1083 CANNOT be lawfully used by the general public in U.S.A. waters.



VHF MARINE | CHANNEL USAGE

CANADA BAND

CH 4-Digit	CH 2-Digit	EXM300 TX RX	Simplex/ Duplex	Usage
01	01	156.050 160.650	Duplex	Port Operations and Ship Movement, Public Correspondence
02	02	156.100 160.700	Duplex	Port Operations and Ship Movement, Public Correspondence
03	03	156.150 160.750	Duplex	Port Operations and Ship Movement, Public Correspondence
1004	04A	156.200	Simplex	Pacific coast: Coast Guard, East Coast: Commercial fishing
1005	05A	156.250	Simplex	Commercial, Vessel Traffic System
06	06	156.300	Simplex	Intership
1007	07A	156.350	Simplex	Commercial
08	08	156.400	Simplex	Intership, Ship Stations
09	09	156.450	Simplex	Intership
10	10	156.500	Simplex	Intership
11	11	156.550	Simplex	
12	12	156.600	Simplex	
13	13	156.650	Simplex	Intership
14	14	156.700	Simplex	
15	15	156.750	Simplex	1W, Intership
16	16	156.800	Simplex	DISTRESS, SAFETY AND CALLING
17	17	156.850	Simplex	1W, Intership
1018	18A	156.900	Simplex	Commercial
1019	19A	156.950	Simplex	USA: Commercial, CAN: Coast Guard INT: Port Operations and Ship Movement
20	20	157.000 161.600	Duplex	INT: Port Operations, Ship Movement, Public Correspondence CAN: Coast Guard only
1021	21A	157.050	Simplex	USA: U.S. Government Only, CAN: Coast Guard only
2021	21B	--- 161.650		CMB service Only
1022	22A	157.100	Simplex	USA: Coast Guard Liaison and Maritime Safety Information Broadcasts, CAN: CMB service Only
23	23	157.150 161.750	Duplex	Port Operations and Ship Movement, Public Correspondence
2023	23B	--- 161.750		CMB service Only
24	24	157.200 161.800	Duplex	Port Operations and Ship Movement, Public Correspondence
25	25	157.250 161.850	Duplex	Port Operations and Ship Movement, Public Correspondence
2025	25B	--- 161.850		CMB service Only
26	26	157.300 161.900	Duplex	Port Operations and Ship Movement, Public Correspondence
27	27	157.350 161.950	Duplex	Port Operations and Ship Movement, Public Correspondence
28	28	157.400 162.000	Duplex	Port Operations and Ship Movement, Public Correspondence
2028	28B	--- 162.000		CMB service Only



VHF MARINE | CHANNEL USAGE

CANADA BAND

CH 4-Digit	CH 2-Digit	EXM300		Simplex/ Duplex	Usage
		TX	RX		
60	60	156.025	160.625	Duplex	Port Operations and Ship Movement, Public Correspondence
1061	61A	156.075		Simplex	Coast Guard
1062	62A	156.125		Simplex	Coast Guard
1063	63A	156.175		Simplex	Port Operation and Commercial, VTS in selected areas
64	64	156.225	160.825	Duplex	Port Operations and Ship Movement, Public Correspondence
1064	64A	156.225		Simplex	Port Operations and Ship Movement, Public Correspondence
1065	65A	156.275		Simplex	Port Operations
1066	66A	156.325		Simplex	Port Operations
67	67	156.375		Simplex	Intership
68	68	156.425		Simplex	
69	69	156.475		Simplex	Intership
71	71	156.575		Simplex	Port Operations and Ship Movement
72	72	156.625		Simplex	Intership
73	73	156.675		Simplex	Intership
74	74	156.725		Simplex	
75	75	156.775		Simplex	1W
76	76	156.825		Simplex	1W
77	77	156.875		Simplex	Intership
1078	78A	156.925		Simplex	
1079	79A	156.975		Simplex	
1080	80A	157.025		Simplex	Commercial
1081	81A	157.075		Simplex	USA: Government Only, CAN: Coast Guard Only
1082	82A	157.125		Simplex	USA: Government Only, CAN: Coast Guard Only
1083	83A	157.175		Simplex	USA: Government Only, CAN: Coast Guard Only
2083	83B	---	161.775		CMB Service Only
84	84	157.225	161.825	Duplex	Port Operations and Ship Movement, Public Correspondence
85	85	157.275	161.875	Duplex	Port Operations and Ship Movement, Public Correspondence
86	86	157.325	161.925	Duplex	Port Operations and Ship Movement, Public Correspondence
87	87	157.375		Simplex	
88	88	157.425		Simplex	



VHF MARINE | CHANNEL USAGE

INTERNATIONAL BAND

CH 4-Digit	CH 2-Digit	EXM300		Simplex/ Duplex	Usage
		TX	RX		
01	01	156.050	160.650	Duplex	Port Operations and Ship Movement, Public Correspondence
02	02	156.100	160.700	Duplex	Port Operations and Ship Movement, Public Correspondence
03	03	156.150	160.750	Duplex	Port Operations and Ship Movement, Public Correspondence
04	04	156.200	160.800	Duplex	Port Operations and Ship Movement, Public Correspondence
05	05	156.250	160.850	Duplex	Port Operations and Ship Movement, Public Correspondence
06	06	156.300		Simplex	Intership
07	07	156.350	160.950	Duplex	Port Operations and Ship Movement, Public Correspondence
08	08	156.400		Simplex	Intership, Ship Stations
09	09	156.450		Simplex	Intership
10	10	156.500		Simplex	Intership
11	11	156.550		Simplex	
12	12	156.600		Simplex	
13	13	156.650		Simplex	Intership
14	14	156.700		Simplex	
15	15	156.750		Simplex	1W, Intership
16	16	156.800		Simplex	DISTRESS, SAFETY AND CALLING
17	17	156.850		Simplex	1W, Intership
18	18	156.900	161.500	Duplex	Port Operations and Ship Movement, Public Correspondence
19	19	156.950	161.550	Duplex	Port Operations and Ship Movement, Public Correspondence
1019	19A	156.950		Simplex	USA: Commercial, CAN: Coast Guard INT: Port Operations and Ship Movement
2019	19B	---	161.550	Simplex	INT: Coast Stations Only
20	20	157.000	161.600	Duplex	INT: Port Operations, Ship Movement, Public Correspondence CAN: Coast Guard only
1020	20A	157.000		Simplex	
2020	20B	---	161.600	Simplex	INT: Coast Stations Only
21	21	157.050	161.650	Duplex	Port Operations and Ship Movement, Public Correspondence
22	22	157.100	161.700	Duplex	Port Operations and Ship Movement, Public Correspondence
23	23	157.150	161.750	Duplex	Port Operations and Ship Movement, Public Correspondence
24	24	157.200	161.800	Duplex	Port Operations and Ship Movement, Public Correspondence
25	25	157.250	161.850	Duplex	Port Operations and Ship Movement, Public Correspondence
26	26	157.300	161.900	Duplex	Port Operations and Ship Movement, Public Correspondence
27	27	157.350	161.950	Duplex	Port Operations and Ship Movement, Public Correspondence
1027	27A	157.350		Simplex	Port Operations and Ship Movement, Public Correspondence



VHF MARINE | CHANNEL USAGE

INTERNATIONAL BAND

CH 4-Digit	CH 2-Digit	EXM300 TX RX		Simplex/ Duplex	Usage
28	28	157.400	162.000	Duplex	Port Operations and Ship Movement, Public Correspondence
1028	28A	157.400		Simplex	Port Operations and Ship Movement, Public Correspondence
60	60	156.025	160.625	Duplex	Port Operations and Ship Movement, Public Correspondence
61	61	156.075	160.675	Duplex	Port Operations and Ship Movement, Public Correspondence
62	62	156.125	160.725	Duplex	Port Operations and Ship Movement, Public Correspondence
63	63	156.175	160.775	Duplex	Port Operations and Ship Movement, Public Correspondence
64	64	156.225	160.825	Duplex	Port Operations and Ship Movement, Public Correspondence
65	65	156.275	160.875	Duplex	Port Operations and Ship Movement, Public Correspondence
66	66	156.325	160.925	Duplex	Port Operations and Ship Movement, Public Correspondence
67	67	156.375		Simplex	Intership
68	68	156.425		Simplex	
69	69	156.475		Simplex	Intership
71	71	156.575		Simplex	Port Operations and Ship Movement
72	72	156.625		Simplex	Intership
73	73	156.675		Simplex	Intership
74	74	156.725		Simplex	
75	75	156.775		Simplex	1W
76	76	156.825		Simplex	1W
77	77	156.875		Simplex	Intership
78	78	156.925	161.525	Duplex	Port Operations and Ship Movement, Public Correspondence
1078	78A	156.925		Simplex	
2078	78B	---	161.525		INT: Coast Stations Only
79	79	156.975	161.575	Duplex	Port Operations and Ship Movement, Public Correspondence
1079	79A	156.975		Simplex	
2079	79B	----	161.575		INT: Coast Stations Only
80	80	157.025	161.625	Duplex	Port Operations and Ship Movement, Public Correspondence
81	81	157.075	161.675	Duplex	Port Operations and Ship Movement, Public Correspondence
82	82	157.125	161.725	Duplex	Port Operations and Ship Movement, Public Correspondence
83	83	157.175	161.775	Duplex	Port Operations and Ship Movement, Public Correspondence
84	84	157.225	161.825	Duplex	Port Operations and Ship Movement, Public Correspondence
85	85	157.275	161.875	Duplex	Port Operations and Ship Movement, Public Correspondence
86	86	157.325	161.925	Duplex	Port Operations and Ship Movement, Public Correspondence
87	87	157.375		Simplex	
88	88	157.425		Simplex	



VHF MARINE | CHANNEL USAGE

IC Caution.

- English:

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.

2. This device must accept any interference, including interference that may cause undesired operation of the device.

- French:

Cet appareil contient un (s) émetteur (s) / récepteur (s) exempté (s) de licence (s) conforme à l'innovation, à la science et au développement économique Canada exempté (s) RSS (s). L'opération est soumise aux deux conditions suivantes:

1. Cet appareil peut ne pas causer d'interférence.

2. Cet appareil doit accepter toute interférence, y compris les interférences pouvant entraîner un fonctionnement indésirable de l'appareil.

FCC Caution.

§ 15.19 Labelling requirements.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

§ 15.21 Information to user.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

§ 15.105 Information to the user.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Specific Absorption Rate (SAR) information:

This equipment complies with FCC/ISED radiation exposure limits set forth for an uncontrolled environment. End user must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

- The portable device is designed to meet the requirements for exposure to radio waves established by the ISED. These requirements set a SAR limit of 1.6 W/kg averaged over one gram of tissue.



VHF MARINE | CHANNEL USAGE

Weather Alert Channels (USA and Canada Channel Frequency Band only)

WX MENU	CH No.	RX Freq.
OFF		
01	WX01	162.550
02	WX02	162.400
03	WX03	162.475
04	WX04	162.425
05	WX05	162.450
06	WX06	162.500
07	WX07	162.525
08	WX08	161.650
09	WX09	161.775
10	WX10	163.275



WARRANTY

ECOXGEAR EXM300 VHF MARINE RADIO

IMPORTANT:

Satisfactory evidence of the original purchase is required for warranty service.
Please refer to our Enfinity website for any details of warranty durations offered in addition to those contained below.

Warrantor:

The warrantor is Enfinity Pty Limited ABN 80 633 367 987 ("Enfinity").

Terms of Warranty:

Enfinity warrants to the original retail purchaser only that the ECOXGEAR EXM300 ("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 country of purchase for a Product first purchased either in Australia or New Zealand and will expire, as indicated below, from the date of original sale.

Product 1 Year without registration. Additional 2 Years with registration.

Accessories 90 Days

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

- A. Damaged or not maintained in a reasonable manner or as recommended in the relevant User Guide;
- B. Modified, altered or used as part of any conversion kits, subassemblies or any configurations not sold by Enfinity;
- C. Improperly installed contrary to instructions contained in the relevant User Guide
- D. Repaired by someone other than an authorized Enfinity 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 Enfinity.

Parts Covered:

This warranty covers the Product and included accessories.



WARRANTY

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 Enfinity. Please refer to the Enfinity website for address details. You should contact Enfinity 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.

ECOXGEAR AUSTRALIA

ENFINITY PTY LTD

Unit 206/27 Mars Rd Lane Cove NSW 2066

Phone number: 1300 883 085

Email address: support@ecoxgear.com.au

Website: ecoxgear.com.au



**THANK YOU FOR BUYING AN
ECOXGEAR PRODUCT.**

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