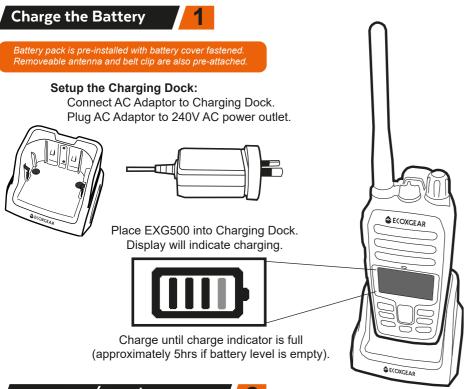
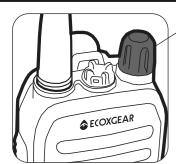


# 5W Watt IP67 Long Range UHF CB Handheld Radio **EXG500 USER GUIDE**



## Power ON/OFF | Volume

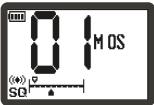




Turn clockwise to turn Power On. Turn fully anti-clockwise to turn Power Off. When power is on, rotate to adjust Volume.

After the ECOXGEAR logo appears, the display will change to the Active mode, indicating the current channel and settings, and Live RSSI graphic.

If there is no signal activity for 8 seconds the display will change to the Simple mode display.



No activity (~8sec) Activity



Simple Mode Display

Active Mode Display

There are three ways to navigate to a channel.



Selecting a Channel

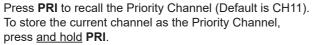


Press **UP** or **DOWN** to change channel one step at a time. (Press and hold to change channels rapidly.)



EMG

#### One-Touch Shortcut Keys:



Press EMG to recall Emergency Channels 05 and 35.

Channel Usage

The EXG500 has 80 UHF-CB Channels to select from. Visit the ACMA website for deatils of citzen band radio usage.

#### **Designated Channels**

- Channels 05 and 35 are for Emergency communications only.
- CH.11 Call Channel. Once contact is made, switch to another channel.
- Channels <u>01-08</u> and <u>41-48</u> are repeater output channels. Channels 31-38 and 71-78 are the matching repeater input channels.

#### **Limited Use Channels**

- CH.22, 23 No voice (talk) is permitted on these channels.
- CH.61, 62, 63 Reserved for future use

#### Commonly used for...

- CH.10 4WD Clubs, Convoys & National Parks
- CH.18 Caravan & Campers, Convoys
- CH.29 Road Safety (Pacific Hwy NSW-QLD)
- CH.40 Road Safety (Truckies) Australia Wide

All other channels are for general use.

CH: 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40

CH: 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

## LISTENING: Receive (RX) Basics



## Live RSSI (Receive Signal Strength Indicator)

The Live RSSI graphic (Patent Pending) shows the signal activity on the current channel.



((\*)) means no signal activity or no signal strong enough to open the squelch.

is the signal level on the current channel. The signal point indicates the strength of the signal, increasing from left to right.



RX means a receive signal strong enough to pass the squelch point. You should hear something through the radio's speaker when RX is showing - adjust the volume if necessary.

**SQ** is Squelch. The squelch keeps the radio's speaker muted.

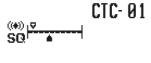
is the squelch point, the threshold allowing signals to un-mute the radio's speaker.



Press SQL and use up/down to adjust the squelch point.

Press SQL again to save the new setting.

# Adding CTCSS & DCS to the Squelch



CTCSS (CTC) and DCS are Squelch codes. When a Squelch code is set, a signal must have that Squelch code to un-mute the radio's speaker - even if the signal strength is strong enough to pass the squelch point.

Press CTCSS/DCS and use up/down to select a CTCSS



(01-50) or DCS (001-104) code. CTCSS/DCS cannot be set on Emergency channels 05 and 35. Press CTCSS/DCS again to set.

Make sure, when you set a CTCSS or DCS squelch code, to share the code with others you want to communicate with.

### **Monitor Mode**



The Monitor mode bypasses the Squelch, CTCSS and DCS so that you can listen to the open channel. In Monitor mode, RX is always on and  $\Box$  always at the left side.



Press and hold MON to enable Monitor mode.

Press and hold MON to disable Monitor mode.

# TALKING: Transmit (TX) Basics



Always listen on a channel, or check the LiveRSSI, to ensure it is not already being used before transmitting.

To communicate, all radios in your group must be set to the same Channel and, if it is set, the same CTCSS / DCS Code.



To talk, press and hold the PTT (Push to Talk) key. Hold the radio 5 to 7 cm away from your mouth and speak towards the micophone located just above the display. When you are finished speaking, release PTT to listen.



TX and the current power setting will display while PTT is



Press to change the Transmit power between Hi (5Watt) and Lo (1Watt).



Hi/Lo appears temporarily in place of the SQ icon.

## **Making Contact Using Call**



Press CALL to initiate a calling tone. Call Tone transmits a short tune intended to catch the attention of others on the channel. NOTE: Call Tone can only be used once per minute by regulation.



batteries installed and with the antenna, battery cover and accessory jack cover fully conect and sealed. **IP67** WATERPROOF

#### Water resisitant level. Note: The radio, with battery cover,

The radio will float with supplied

antenna and accessory cover fully sealed, will resist water to the waterproof/submersible IP67 level.

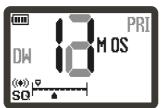
Dual (Channel) Watch

7

Watch the Priority Channel along with the current channel using DW. Press <u>and hold</u> DW to enable or disable Dual Watch mode. NOTE: DW cannot be enabled if the current channel is also the PRI channel.



Press <u>and hold</u> DW to enable or disable Dual Watch mode.



# Channel SCAN

9

SCAN sequentially checks channels in the scan memory, indicated by  $\mathbf{M}$ , for activity There are two scan memory groups, Open and Group.

OS (Open SCAN)GS (Group SCAN)

Select any grouping of CH01 - CH80 Select any grouping of CH01 - CH80

GS can also scan with Priority Watch: GS + Priority CH Watch every 1.5s

OS (Open Scan) is the default setting, with all channels pre-added into its memory. GS (Group Scan) memory, by default, is empty and requires adding channels into memory. Change between OS, GS in the MENU.

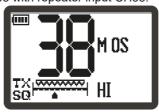
## **Duplex Mode (Repeater)**



The Duplex mode enables access to local repeater stations. 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. NOTE: Only Channels 01-08 and 41-48 are available for Duplex mode. Turn Duplex on in the MENU. When Duplex is on for a repeater channel, the display shows **DUP**.

Example shows Duplex CH08 with repeater input CH38.





NOTE: When transmitting in Duplex mode, the radio transmits on the matching repeater input channel. Duplex transmit power is always Hi (5Watts).

# SCAN MEM

Press **SCAN** to start or stop the channel scan.

To add or remove a channel from scan memory, press <u>and hold MEM</u>. The presence of the **M** icon indicates a channel is in memory for the indicated scan memory group.

TIP: For fast scanning of your favourite channels, keep the total number of channels in memory to under a dozen.

## **EXAMPLE** of channels added into Group Scan memory (M)

CH: <u>41 42 43 44 45 46 47 48</u> 49 50 51 52 53 54 55 56 57 58 59 60 <u>61 62 63</u> 64 65 66 67 68 69 70 <u>71 72 73 74 75 76 77 78</u> 79 80

# What's in the MENU?



Press **MENU** to open and step through the Menu list.

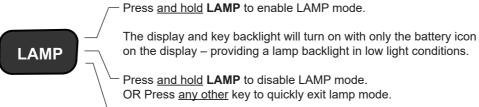
Press and hold **MENU** to save any setting change(s).

MENU ITEM	SETTING	DESCRIPTION	
Duplex	On, Off	Available for CH 01-08 and CH 41-48	
Scan Mode	OS, GS	Open Scan, Group Scan	
GS Priority Watch	On, Off	Watch the Priority Channel during Group SCAN	
Call Tone	01 05	Select a tune for the Call Tone function	
Busy Channel Lockout	On, Off	Prevents TX when CH is busy	
Roger Beep	On, Off	Sign-off melody when PTT is released	
B/Light Colour	Off, 01 07	7 Backlight Colours	
Brightness	Off, 01 05	Backlight brightness, OFF, 01 (min) 05 (max)	
Key Beep	On, Off	Key Beep	
Battery Save	On, Off	Conserve battery	
Simple Mode	On, Off	Enable/Disable Simple mode	

## Additional Features



#### **LAMP Mode**



During LAMP mode, press **LAMP** again to turn lamp-flash on or off.

NOTE: During LAMP mode, the radio transceiver is temporarily disabled.

#### Water Sensor

The EXG500 has a sensor that detects when the radio has come in contact with water. The display will light up in red colour, and display and key backlight will flash until a key is pressed.

NOTE: The water sensor features works even if the power is turned off. Turn power on to disable the flash mode.

#### Reset to Factory Default Settings

The radio can be reset back to factory settings as follows. Ensure the radio is first turned off.

Press and hold PTT and PRI while turning Power on.

For more details on features and operation of the EXG500, visit the website for the online User Guide.

#### What's in the Box?



Items	EXG500	EXG500-2TP
EXG500 UHF Radio	1	2
Lithium-ion Battery (Pre-installed)	1	2
Antenna (Pre-attached)	1	2
Belt Clip (Pre-attached)	1	2
Charging Dock	1	2
AC Adaptor (for Charging Dock)	1	2
Cig-Lead Adaptor (for Charging Dock)	-	2
Speaker Microphone (IP54)	1	2
Earpiece Microphone (IP54)	1	2
Hard Carry Case	-	1
User Guide	1	1

Battery pack is pre-installed with battery cover fastened.
Removeable antenna and bel clip are also pre-attached.

If any of these items are missing from the box, contact your place of purchase immediately.

### **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 MBIE the General User Radio License for Citizen Band Radio.

## WARRANTY ECOXGEAR EXG500, EXG500-2PK

#### 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 EXG500 ("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
- $\hbox{E. Used in conjunction with any equipment, parts or a system not manufactured by Enfinity.}\\$

#### Parts Covered:

This warranty covers the Product and included accessories.

## 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.

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