

5 Watt Super Compact UHF CB Fixed Mount Radio with USB Type-C Charging Port

EXG1000 USER GUIDE

Radio Installation

MENU EMG A V



For full instructions on the EXG1000 radio installation, visit the website for the online user guide.



Quick Release Mounting Bracket (Base Mount): Install the Quick Release Mounting Bracket to a

desired location.

Microphone Hanger (Mic Mount):

Install the Mic Hanger within cable extention range of the Microphone.



Base Connections:

Connect DC power plug to <u>+12V DC</u>. Connect antenna connector to an external <u>UHF-CB</u> antenna.



Microphone Connection:

Connect microphone cable to RJ45 jack at the base unit.







Press and hold to turn Power On or Off



When power is turned On the display will temporarily show all segments and then the last channel (default is CH01).



When power is on, rotate to adjust the Volume up or down.

NOTE: The function of the microphone UP and DOWN keys can be changed from Channel up/down (default) to Volume up/down in the MENU.

Selecting a Channel



There are three ways to navigate to a channel.



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Main Method:

 Press UP or DOWN on the base or microphone to change channel one step at a time.
 (Press and hold to change channels rapidly.)



EMG

MON

One-Touch Shortcut Keys:

Press **PRI** to recall the Priority Channel (Default is CH11). To store any current channel as the Priority Channel, press <u>and hold</u> **PRI**.

Press **EMG** to recall Emergency Channels 05 and 35.



The EXG1000 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 <u>31-38</u> and <u>71-78</u> 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



Setting the Squelch | Signal Strength Indicator



The squelch keeps the radio's speaker muted until a signal stronger than the squelch point is reveived.

Press the Power knob to open the Squelch setting.

Rotate the Power knob to adjust the squelch point.



There are 9 squelch points available:

 $1 \; \; \text{high sensititvity (weak signals will un-mute the speaker)} \\$

9 low sensitivity (strong signals will un-mute the speaker)

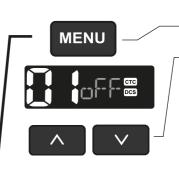
Press the Power knob again to save the new setting.

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 **MENU** 1 time.

The CTCSS/DCS code setting flashes.

Press **UP** or **DOWN** to select a code from OFF, CTCSS (01-50) or DCS (001-104).

Press <u>and hold</u> **MENU** to set.

NOTE: CTCSS/DCS cannot be set on Emergency channels 05 and 35.

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 on <u>and flashing</u>.

Press <u>and hold</u> **MON** to enable Monitor mode.

Press and hold **MON** to disable Monitor mode.

MON

TALKING: Transmit (TX) Basics



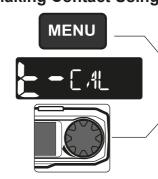
Always listen on a channel to ensure it is not already being used before transmitting.

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 <u>and hold</u> 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 full signal level will display while PTT is held.

Making Contact Using Call



Call Tone transmits a short tune intended to catch the attention of others on the channel.

To initiate (transmit) the Call Tone:

- Press **MENU** ten times.

Press MENU ten times.
 t-CAL shows on the display.

Push the Power knob.

NOTE: Call Tone can only be used once per minute by regulation.

Dual (Channel) Watch

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.









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 CH08 with Duplex enabled.



NOTE: When transmitting in Duplex mode, the radio transmits on the matching repeater input channel.

Channel SCAN



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.



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	
CTCSS/DCS	Off, 01-50 [CTC],	CTCSS and DCS Squelch Code setting	
	001-104 [DCS]	for the current channel	
Duplex	On, Off	Available for CH 01-08 and CH 41-48	
Scan Mode	OS, GS	Open Scan, Group Scan	
Busy Channel Lockout	On, Off	Prevents TX when CH is busy	
Key Beep	On, Off	Key Beep	
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)	
Call Tone	01 05	Select a tune for the Call Tone function	
T(ransmit) Call Tone		Initiate Call Tone (immediate action, if valid)	
MST	CH, vL	Change Mic UP/DOWN keys to Channel or Volume	
Speaker Select	Dual, Base, Mic	Speaker Selection	
NRC	On, Off	Noise Reduction Circuit (NC)	

Additional Features



Noise Reduction Circuit

The built-in noise reduction circuit can reduce background noise so that the user speaking to the radio mic can clearly be heard. NOTE: background noise may always be present but suppressed enough that user voice is heard clearly.

The built-in noise reduction circuit can be enabled from the MENU.

NC will display when the feature is enabled.

USB-C Charging Port

When correctly installed the EXG1000 can provide charging via its built-in USB-C port.

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 EXG1000, visit the website for the online User Guide.

What's in the Box?



Items	EXG1000	EXG1000-VPK
EXG1000 UHF Radio	1	1
Quick Release Mounting Bracket	1	1
Microphone Hanger	1	1
12V DC Power Cord & Fuse	1	1
Set of Mounting Screws	1	1
Antenna	-	1 (ATEPL660-2PK)
Z Bracket	-	1
User Guide	1	1

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 EXG1000, EXG1000-VPK

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 EXG1000 UHF Radio ("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 4 Years with registration.

ATEPL660-2PK 1 Year only, 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.

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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