

TRX[®]



TRX-2W2U

USER MANUAL

ULTRA RANGE 2 WATT CB RADIO KIT

80 Australian and New Zealand Channels



Battery Saving
Stealth Display



Up To
14km Range*



Easy USB-C
Charging

3 **THREE**
YEAR
WARRANTY



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1.0 WARNINGS

1.1 BATTERY PACK

- The battery pack should be fully charged before use. Initially charging the battery pack after purchase or extended storage (8 weeks or more) will not bring the battery to full capacity. A charge/discharge cycle of two to three times with use will bring the battery pack to its full operational capacity.
- Always charge the Battery Pack using the provided Charger. Improper charging may damage the Battery Pack or cause the Battery Pack to explode.
- Switch off the CB before charging to ensure the battery pack is charged properly.
- Avoid exposing the Battery Pack to temperatures below -20°C or above 60°C.
- Never dismantle the Battery Pack or expose the internal battery cell.
- Do not dispose of the Battery Pack in fire.
- Do not short-circuit the Battery Pack
- Dispose of the CB observing local regulations being mindful of the Battery Pack.
- Do not attempt to access the internal battery cell.

1.2 ANTENNA

- Do not use this CB radio if it has a damaged Antenna.
- Do not hold the Antenna when the CB is in use as this may reduce the range and may cause harm.
- Non-genuine Antennas, modifications or attachments could damage the CB, will void the Warranty and breach the CB's compliance

1.3 GENERAL

- If you carry any kind of personal medical device, please consult a doctor before using the Radios.
- Do not use the Radios in a potentially explosive setting (e.g. around pumps, on the lower deck of a boat or around a fuel storage area or around chemical products), or near blasting caps.
- Ensure Radios are turned off if on an airplane or in a hospital.
- Please seek advice from the Manufacturer or your Physician if you are using this CB in proximity to Medial Devices such as Pacemakers, Hearing Aids etc to ensure they are adequately shielded from RF energy.
- To avoid interference, avoid using the Radios near traditional radios.
- Clean the Radio with a damp cloth. Do not use any cleaning agents or solvents for cleaning.
- Do not modify the Radios in any way. In the event of damage occurring, ensure that the Radios are checked by a qualified professional.

2.0 USER LICENSE INFORMATION

The Citizen Band Radio Service (CBRS) is a two-way, short distance, communications service that can be used by any person in Australia and New Zealand, whether it is for recreational or domestic purposes, or in connection with work or business.

CBRS may be used for:

- 1. Any form of voice communications activity*
- 2. Telemetry and telecommand applications.*

This unit complies with Australian and New Zealand approval requirements AS/NZS 4365:2011 including radio communications (Electromagnetic Radiation Human Exposure) standard 2003.

3.0 INTRODUCTION

Thank you for purchasing the TRX-2W2U UHF 80 Channel CB Radio kit. This easy to use UHF CB radio with Ultra 2W Transmit Power is perfect for every adventure. With no confusing sub-channels or complicated setup, you can be up and running in minutes.

Please read through the instructions carefully to ensure you get the most out of your new CB.

3.1 FEATURES

- 2W Transmit Power
- 14 Kilometre Range*
- 12 Hour Operating Time**
- Battery Saving Stealth Display
- Channel Scan

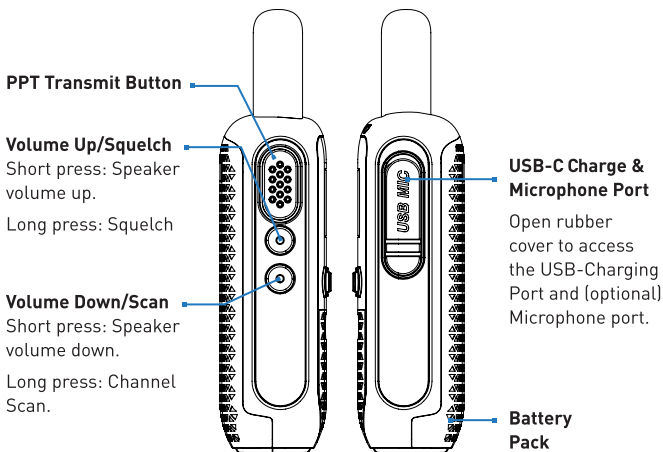
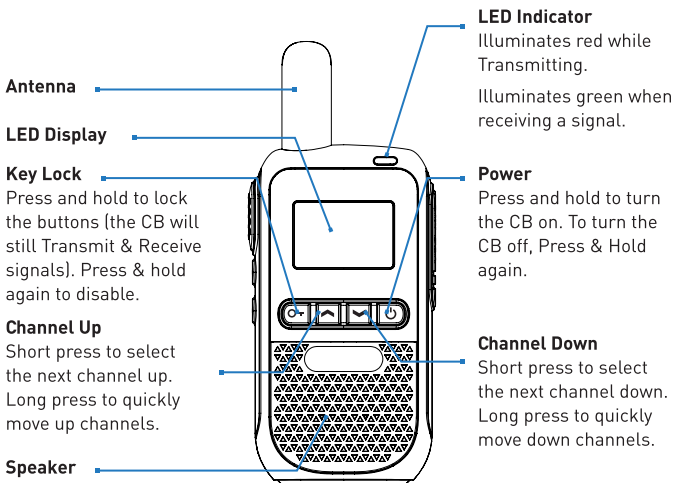
*Based on 5-5-90 operation cycle (5% Transmit, 5% Receive and 90% Standby).

** In an open area. Range may vary due to environmental and/or topographical conditions.

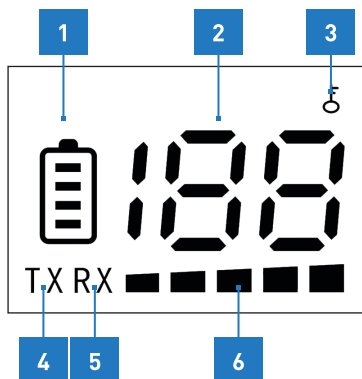
3.2 PACKAGE CONTENTS

- 2 x CB Radios
- 2 x 1800mAh Li-ion Batteries
- 1 x Car Dual USB Adaptor
- 1 x 240V Dual USB Adaptor
- 2 x Belt Clips
- 2 x USB-C Charge Cables
- 1 x User Guide

3.3 PRODUCT OVERVIEW



3.4 PRODUCT OVERVIEW – LED DISPLAY



NO	ICON	MEANING
1		Battery level indicator
2		Channel/Volume display
3		Key Lock indicator
4	TX	Transmit indicator
5	RX	Receive indicator
6		Transmit/Receive strength indicator

3.5 BATTERY LEVEL INDICATOR VALUES

100%	75%	50%	25%	5%

4.0 GETTING STARTED

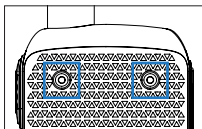
4.1 INSTALLING/REMOVING THE BATTERY PACK

To install the battery pack, place the battery at the bottom of the rear of the CB and slide upwards while applying firm pressure between battery and CB body until it slides all the way up and locks in to place.

To remove the battery, turn the CB upside down and slide the locking tab towards the front of the CB as indicated by the arrow while simultaneously sliding the battery downwards away from the CB body.

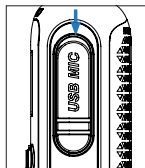
4.2 INSTALLING THE BELT CLIP

Attach the belt clip if required by screwing it into the back of the battery with the screws provided.



4.3 USB-C CHARGE & MICROPHONE PORT

Pry open the charging port cover with your fingernail or small screwdriver. The USB-C charge cable or an optional earpiece microphone can be plugged into the ports behind this cover.



NOTE:

- The CB is not water resistant when this cover is open.

4.4 CHARGING THE BATTERY PACK

The battery does not need to be removed from the CB to be charged. Simply open the charging port cover and plug the supplied USB-C cable in which can then be connected to the 240V adaptor or car adaptor. It can also be charged by a USB Power Bank (not included).

Once charging commences, the LED Indicator will illuminate red to indicate that the CB is charging. When the battery pack is fully charged, the LED will indicate green.

NOTE:

- The USB-C cable is reversible so it doesn't matter which side is up - you can insert it either way.
- Note it will take up to 6-8 hours to charge a fully depleted battery.

4.5 OPERATION



POWER

To switch the CB on, press and hold the power button (4) for two seconds. To turn the CB off, press the power button again for two seconds.

CHANNEL UP

Short press (2) to select the next channel up. Long press to quickly move up channels.

CHANNEL DOWN

Short press (3) to select the next channel down. Long press to quickly move down channels.

KEY LOCK

Press and hold button (1) for two seconds to disable all of the CB's buttons apart from Transmit to prevent accidental channel or volume adjustments.

When Key Lock is activated, a Key icon is displayed on the LED screen. Press and hold button (1) again for two seconds to disable key lock.

TRANSMIT

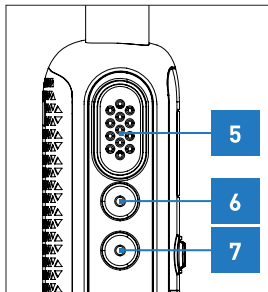
To transmit, press the PTT button (5) on the side of the CB. Release the button to receive the reply.

VOLUME

To increase the volume, press the Side Button (6).

To decrease the volume, press the Side Button (7).

The volume level is displayed on the LED display with "U0" indicating minimum volume set and "U7" the maximum volume.



MANUAL SQUELCH

To listen for weaker signals on your selected channel, press and hold the volume up button (6). This will remove the squelch function of the radio so you can hear all transmissions (including interference) on the selected channel.

CHANNEL SCAN

Channel Scan is useful to scan the available CB channels to either find who is transmitting nearby or to find a free channel to transmit on.

Press and hold the Volume Down button (7) for two seconds to activate Channel Scan. The LED Indicator will flash green to signify that Channel Scan is in progress.

This function will scan all 80 CB channels and when there is a transmission detected, the CB will remain on this channel for around 5 seconds after the transmission is completed. If there are no more transmissions after the 5 seconds, the CB will continue scanning.

To exit Channel Scan, press and hold the Volume Down button (7) for two seconds.

TRANSMISSION RANGE

The optimal transmit range for this CB is achieved in flat, open outdoor areas. This is reduced where there are obstructions such as buildings or rough terrain, or when the CB is used in confined spaces such as vehicle to vehicle communications.

Do not use these CB's when less than 1.5m apart as this may cause interference.

CTCSS & DCS

If you are communicating with another party that is using a different model or brand CB Radio than this one which has CTCSS & DCS functions, please ensure that they set to "0" or "off" to communicate effectively on your selected UHF channel

5.0 UHF CHANNELS & FREQUENCIES

5.1 LEGALLY RESTRICTED

Channel 5 and 35

These are reserved as Emergency channels and should only be used in an Emergency.

Channels 22 and 23

These are reserved for telemetry, telecommand and packet data. Transmission on these channels is blocked on this CB.

Channels 61, 62 and 63

Reserved for future allocation and transmission on these channels is blocked on this CB.

5.2 SPECIAL USE

Channel 10

4WD Clubs or convoys and National Parks

Channel 11

Is the calling channel and should be used to initiate contacts/ conversations. Once this is done, you should then change to a free channel.

Channel 18

RV – Caravanner and Campers Convoy Channel

Channel 29

HWY – road safety channel Pacific HWY, Pacific Motorway (NSW & QLD)

Channel 40

Australia wide road safety channel – primarily used by Truckies and Pilot Vehicles.

5.3 GENERAL CHANNELS

Channels 1-8 & 31-38 plus 41-48 & 71-78

Duplex Channels. These channels are used for Duplex operation in areas where there is a repeater which provides extended range. If there is no repeater in the area, these channels can also be used for standard communication.

Channels 9, 12-17, 19-21, 24-28, 30, 39, 49-60 & 79-80

General communication channels at all times.

6.0 UHF FREQUENCIES

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
Channel 1	476.4250	Channel 32	477.2000	Channel 63	
Channel 2	476.4500	Channel 33	477.2250	Channel 64	477.0125
Channel 3	476.4750	Channel 34	477.2500	Channel 65	477.0375
Channel 4	476.5000	Channel 35	477.2750	Channel 66	477.0625
Channel 5	476.5250	Channel 36	477.3000	Channel 67	477.0875
Channel 6	476.5500	Channel 37	477.3250	Channel 68	477.1125
Channel 7	476.5750	Channel 38	477.3500	Channel 69	477.1375
Channel 8	476.6000	Channel 39	477.3750	Channel 70	477.1625
Channel 9	476.6250	Channel 40	477.4000	Channel 71	477.1875
Channel 10	476.6500	Channel 41	476.4375	Channel 72	477.2125
Channel 11	476.6750	Channel 42	476.4625	Channel 73	477.2375
Channel 12	476.7000	Channel 43	476.4875	Channel 74	477.2625
Channel 13	476.7250	Channel 44	476.5125	Channel 75	477.2875
Channel 14	476.7500	Channel 45	476.5375	Channel 76	477.3125
Channel 15	476.7750	Channel 46	476.5625	Channel 77	477.3375
Channel 16	476.8000	Channel 47	476.5875	Channel 78	477.3625
Channel 17	476.8250	Channel 48	476.6125	Channel 79	477.3875
Channel 18	476.8500	Channel 49	476.6375	Channel 80	477.4125
Channel 19	476.8750	Channel 50	476.6625		
Channel 20	476.9000	Channel 51	476.6875		
Channel 21	476.9250	Channel 52	476.7125		
Channel 22	476.9500	Channel 53	476.7375		
Channel 23	476.9750	Channel 54	476.7625		
Channel 24	477.0000	Channel 55	476.7875		
Channel 25	477.0250	Channel 56	476.8125		
Channel 26	477.0500	Channel 57	476.8375		
Channel 27	477.0750	Channel 58	476.8625		
Channel 28	477.1000	Channel 59	476.8875		
Channel 29	477.1250	Channel 60	476.9125		
Channel 30	477.1500	Channel 61			
Channel 31	477.1750	Channel 62			

7.0 WARRANTY TERMS & CONDITIONS

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 provided in addition to your rights under the Australian Consumer Law. Directed Electronics Australia Pty Ltd (Directed Electronics) warrants that this product is free from defects in material and workmanship for a period of 12 months from the date of purchase or for the period stated on the packaging. This warranty is only valid where you have used the product in accordance with any recommendations or instructions provided by Directed Electronics.

This warranty excludes defects resulting from alterations of the product, accident, misuse, abuse or neglect. In order to claim the warranty, you must return the product to the retailer from which it was purchased or if that retailer is part of a National network, a store within that chain, along with satisfactory proof of purchase. The retailer will then return the goods to Directed Electronics.

Directed Electronics will repair, replace or refurbish the product at its discretion. The retailer will contact you when the product is ready for collection. All costs involved in claiming this warranty, including the cost of the retailer sending the product to Directed Electronics, will be borne by you.

Email: info@trx.com.au

7.1 INDEMNITY

You agree to defend, indemnify and hold harmless TRX from and against any and all claims, proceedings, injuries, liabilities, losses, costs and expenses (including reasonable legal fees), including but not limited to, claims alleging negligence, invasion of privacy, copyright infringement and/or trademark infringement against TRX services, relating to or arising out of your breach of any provision of these terms, your misuse of the TRX services, or your unauthorized modification or alteration of products or software.

7.2 WARRANTY & WARRANTY DISCLAIMER

TRX has a limited warranty whereby TRX warrants to you and only to you that TRX products will be free from defects in materials and workmanship for one (1) year from the date of your purchase of the TRX products (unless a longer warranty period is required by law).

The specifics of this TRX limited warranty are at <https://www.TRX.com.au/warranty>

TRX also assumes no responsibility for and shall not be liable for any damages caused by misuse of the product or failure to follow the instructions provided.

Other than the above product warranty for the TRX products, TRX and its suppliers disclaim all warranties of any kind, whether express, implied, or statutory, regarding the TRX equipment. Including any implied warranty of title, merchantability, fitness for a particular purpose, or noninfringement of third party rights. Because some jurisdictions do not permit the exclusion of implied warranties, the last sentence of this section may not apply to you. TRX hereby further expressly disclaims all liability for any claims for service failures that are due to normal product wear, product misuse, abuse, product modification, improper product selection or your non-compliance with any and all applicable

federal, state or local laws. This warranty and warranty disclaimer give you specific legal rights, and you may have other rights that vary by state, province, or country. Other than as permitted by law, TRX does not exclude, limit or suspend other rights you have, including those that may arise from the nonconformity of a sales contract. For a full understanding of your rights you should consult the laws of your state, province, or country. For our Australian customers: please note that this warranty is in addition to any statutory rights in Australia in relation to your goods which, pursuant to the Australian Consumer Law, cannot be excluded.

7.3 LIMITATIONS & LIABILITY

TRX liability for damages, especially for breach of duty or obligation, delay in performance, non-performance, or malperformance shall be precluded, except when these are due to negligent breaches of any significant contractual duty or obligation on the part of TRX. Any liability for negligence is limited to direct losses usually and typically foreseeable in such case. Should the claim for damages be based on wilful or grossly negligent breach of contractual duty or obligation on the part of TRX, the preclusion and limitation of liability mentioned in the preceding sentences will not apply. The preceding preclusion and limitation of liability will also not apply to claims for damages arising out of loss of life, bodily injury or health impacts for which TRX may be liable, or for non-contractual liability.

Some states and countries do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. Additionally, this provision is not intended to limit TRX's liability in the event of TRX's wilful or intentional misconduct.

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