



Battery Saving  
Stealth Display



Up To  
14km Range\*



Easy USB-C  
Charging

## USER MANUAL

**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 FRS 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 FRS 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 FRS radio if it has a damaged Antenna.
- Do not hold the Antenna when the FRS is in use as this may reduce the range and may cause harm.
- Non-genuine Antennas, modifications or attachments could damage the FRS, will void the Warranty and breach the FRS'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 FRS in proximity to Medical 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 FRS is a two-way, short distance, communications service that can be used by any person in USA, whether it is for recreational or domestic purposes, or in connection with work or business.*

*FRS may be used for:*

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

## 3.0 INTRODUCTION

Thank you for purchasing the 22 Channel FRS Radio kit. This easy to use FRS 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 FRS.

### 3.1 FEATURES

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

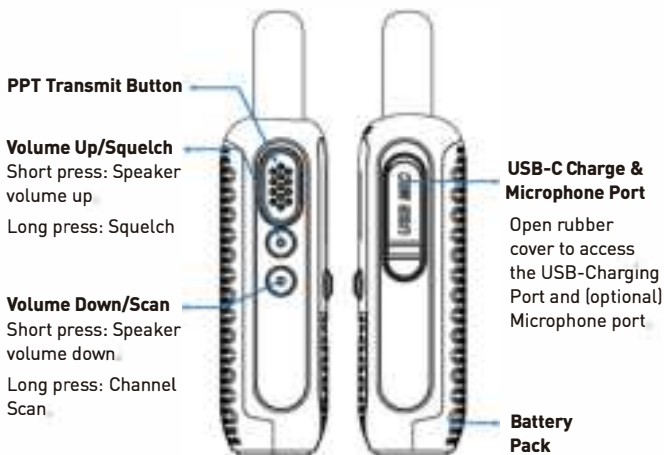
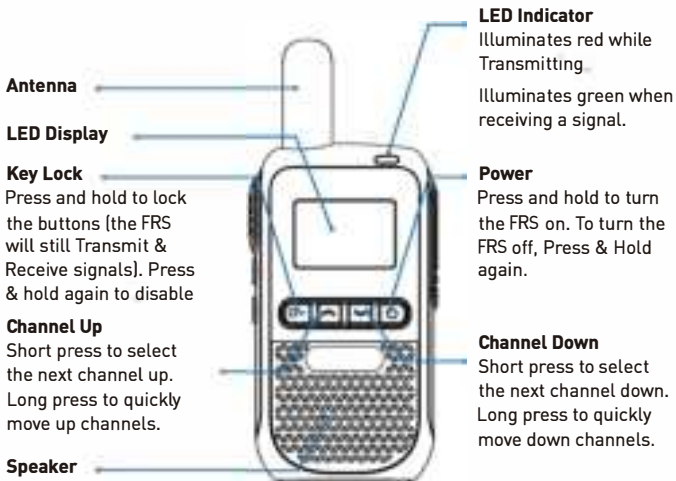
\*Based on 5-5-90 operation cycle (5% Transmit, 5% Receive and 90% Standby)

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

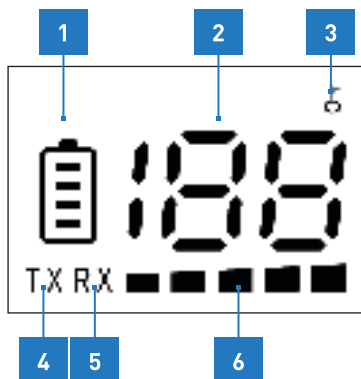
### 3.2 PACKAGE CONTENTS

- 2 x FRS Radios
- 2 x 1800mAh Li-ion Batteries
- 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		Transmit indicator
5		Receive indicator
6		Transmit/Receive strength indicator

### 3.5 BATTERY LEVEL INDICATOR VALUES

100%	75%	50%	25%	5%

## **4.0 GETTING STARTED**

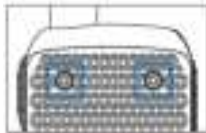
### **4.1 INSTALLING/REMOVING THE BATTERY PACK**

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

To remove the battery, turn the FRS upside down and slide the locking tab towards the front of the FRS as indicated by the arrow while simultaneously sliding the battery downwards away from the FRS 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 FRS 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 FRS to be charged. Simply open the charging port cover and plug the supplied USB-C cable in which can then be connected to the 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 FRS 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 FRS on, press and hold the power button (4) for two seconds. To turn the FRS 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 FRS'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

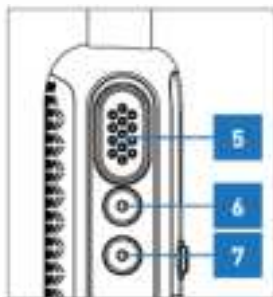
To transmit, press the PTT button (5) on the side of the FRS. Release the button to receive the reply.

## 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 FRS 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 22 FRS channels and when there is a transmission detected, the FRS 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 FRS 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 FRS is achieved in flat, open outdoor areas. This is reduced where there are obstructions such as buildings or rough terrain, or when the FRS is used in confined spaces such as vehicle to vehicle communications.

Do not use these FRS'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 FRS 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 CHANNELS & FREQUENCIES

No.	Frequency List	No.	Frequency List	No.	Frequency List
1	462.5625	8	467.5625	15	462.5500
2	462.5875	9	467.5875	16	462.5750
3	462.6125	10	467.6125	17	462.6000
4	462.6375	11	467.6375	18	462.6250
5	462.6625	12	467.6625	19	462.6500
6	462.6875	13	467.6875	20	462.6750
7	462.7125	14	467.7125	21	462.7000
-	-	-	-	22	462.7250
Note: 467 MHz interstitial channels must not exceed 0.5 Watt.					

## 6.0 WARRANTY & WARRANTY DISCLAIMER

### FCC Compliance Statements:

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.

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

**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.

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment. Do not use this device when the antenna shows obvious damages.

Hold this transmitter approximately 25mm away from your face and speak normal with the antenna pointed up and away. Use the supplied belt clip for body-worn configuration as other accessories may not comply to the limits.

**WARNING: MODIFICATION OF THIS DEVICE TO RECEIVE CELLULAR RADIOTELEPHONE SERVICE SIGNALS IS PROHIBITED UNDER FCC RULES AND FEDERAL LAW.**

### Licensing Information:

Use our radio in USA is subject to the rules & regulations of FCC. Changes or modifications not expressly approved by our may void the user authority granted by the FCC to operate this radio and should not be made. To comply with FCC requirements, transmitter adjustments should be made only by or under the supervision of a person certified as technically qualified to perform transmitter maintenance and repairs in the private land mobile and fixed services as certified by an organization representative of the user of those services. Replacement of any transmitter component (crystal, semiconductor, etc) not authorized by the FCC equipment authorization for this radio could violate FCC rules.

**Note:** Use of this radio outside the country where it was intended to be distributed is subject to government regulations and may be prohibited.

**Important:** Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device. Your radio is set up to transmit a regulated signal on an assigned frequency. It is against the law to alter or adjust the settings inside the radio to exceed those limitations. Any adjustments to your radio must be made by qualified technicians.



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