



# Wireless PTT Remote

W1



**INSTRUCTION MANUAL**

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## ACCESSORIES SUPPLIED

Remote microphone	Spacer kit	Steering wheel clamp
Adhesive foam	Mounting screw kit	

## INTRODUCTION

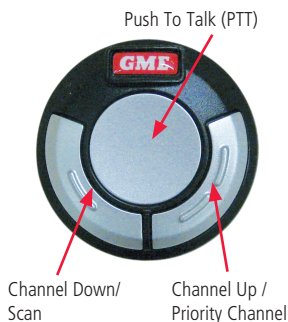
The W1 wireless remote control is designed to reproduce many of the functions of a standard hand held microphone using wireless technology. The W1 combines a remote Push-To-Talk (PTT) with a user-selectable channel change or scan/priority function in a convenient remote mounted unit.

An external remote microphone is also included for mounting in your vehicle allowing effective hands-free communications while driving.

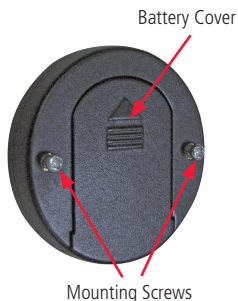
Once the W1 is connected to your radio, several new options will be enabled in your radio's menu (see '**RADIO MENU OPTIONS**').

## CONTROLS

### Remote Control Front View



### Remote Control Rear View



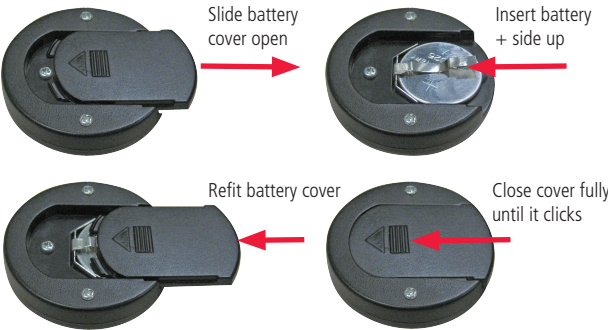
## Activating the W1

The W1 is factory fitted with a 3V button battery. To activate the battery, pull firmly on the blue tab to remove it.



## REPLACING THE BATTERY

The W1 operates from a standard CR2025 3V button battery. To replace the battery, slide the battery cover open and remove the old battery. Insert the new battery by sliding it into the compartment with the + side upwards. Refit the battery cover and slide it fully forward until it 'clicks'.



## INSTALLATION

### Range

The W1 has a line-of-sight range of around 5 – 7 meters depending on the installation. Range may be reduced slightly if the radio or the W1 is mounted close to metal surfaces. This should not have any noticeable effect on most installations, however, if mounting the remote unit in a bus, motor home or other similar sized vehicle please be aware of the range performance when planning your installation.

### MOUNTING

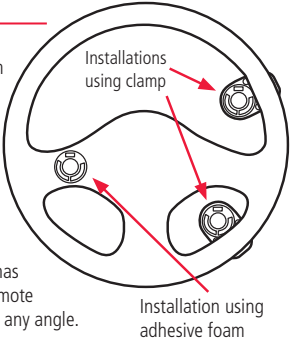
The W1 can be mounted directly to the steering wheel using the included steering wheel mounting clamp. Alternatively it can be installed on any flat surface using double sided tape.

**NOTE:** Installing onto a metallic surface will reduce the signal range.

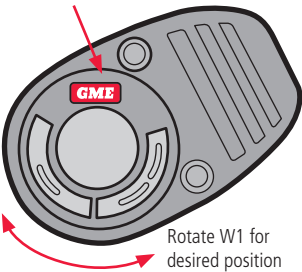
# Steering Wheel Mount

The steering wheel mount is designed to clamp on to the steering wheel in a position where the W1 can be easily reached without distraction while driving.

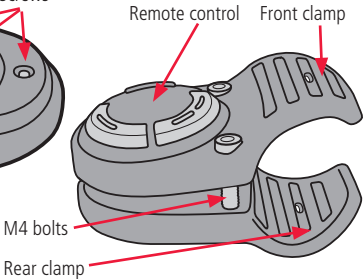
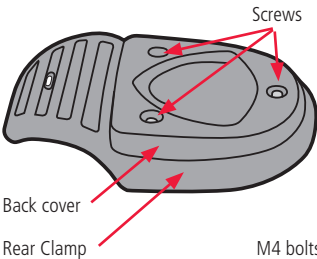
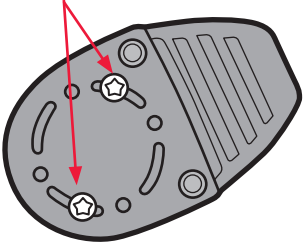
Temporarily place the W1 into the top clamp then place the top clamp on the steering wheel at the preferred location. Rotate the W1 to the desired angle, then turn the clamp over and secure the W1 using the two screws provided. The clamp has a number of holes and slots to allow the remote control to be rotated and secured at almost any angle.



Place the W1 into the clamp



Turn the clamp over and secure the W1 using two screws

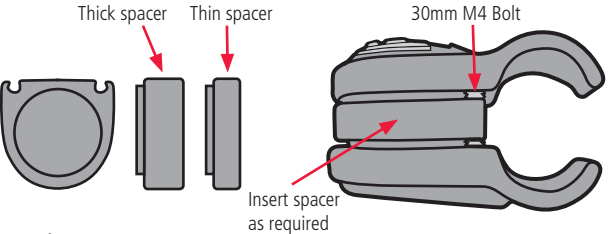


Fit the back plate to the rear clamp using the three screws provided. Finally, reposition the front and rear clamps onto the steering wheel in the chosen

position and fit the two M4 bolts. Tighten firmly so that the clamp does not move when the buttons are pressed. Do not over tighten.

**NOTE:** If the M4 bolts provided are too short for your steering wheel, they can be replaced with M4 bolts of a suitable length obtained from your local hardware store. Ensure the bolt lengths are not too long, otherwise they may foul on the back cover.

For mounting onto larger steering wheels, a spacer kit is provided which includes two spacers of varying thickness and longer 30mm M4 bolts. If required, fit one or more spacers between the front and rear clamp as shown then tighten firmly using the longer bolts.



### Panel Mount

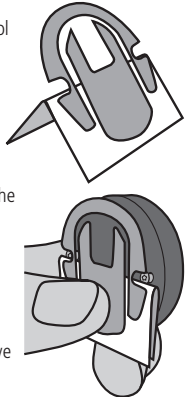
The W1 can also be mounted onto a flat surface using the supplied adhesive foam. Mount the W1 in a location that is easy to reach without distraction while driving.

**NOTE** - installing onto a metallic surface will reduce the signal range.

To avoid personal injury, DO NOT install the remote control on any surface associated with your vehicle's airbag.

The adhesive foam is in two sections and is designed to align with the rear mounting holes and the battery cover. To aid in accurately fitting the adhesive foam, proceed as follows;

1. Starting at the top, fold the backing sheet away from the top half of the adhesive foam. Leave the backing sheet attached to the bottom half of the adhesive.
2. With the Remote Unit's GME label at the top, position the sticky side of the adhesive foam onto the back of the Remote Unit, aligning the screw holes and battery compartment with the matching section on the adhesive foam. Press the foam firmly into position.



3. Peel away the rest of the backing sheet and press the remainder of the adhesive foam into place.

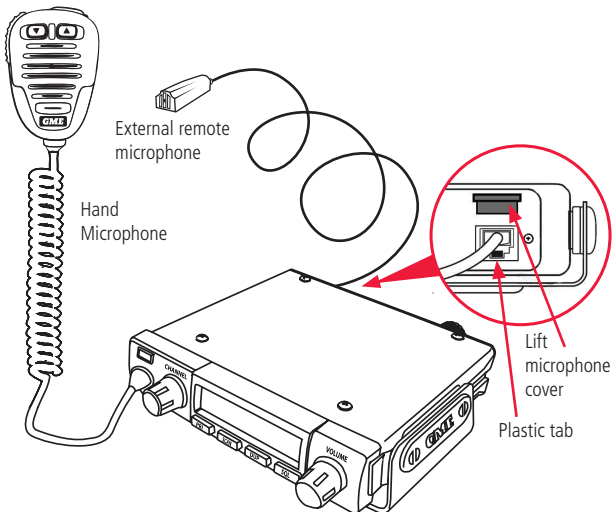


## INSTALLING THE REMOTE MICROPHONE

The external remote microphone should be installed in a location close to your driving position that will allow it to easily pick up your voice while driving. Suggested areas are the driver's side door pillar, sun visor or roof mounted centre console.

Once installed, run the cable to your radio and plug it into either the front or the rear microphone socket. If you are retaining the original hand microphone, we recommend you connect the hand microphone to the front socket and plug the external remote microphone into the rear socket. If a longer cable run is required, an LEM6P 4 metre microphone extension lead is available through your local GME retailer.

**NOTE:** Installing the external remote microphone is optional. The radio can be configured to use the original hand microphone for hands-free communications if preferred. See '**RADIO MENU OPTIONS**'.



## External remote microphone mounting suggestions



### PAIRING

Before using your W1 you will need to 'Pair' it with your radio. This one-time process uses a secure internal code to link your W1 exclusively with your radio. Once pairing has been completed, your radio will automatically identify your W1 each time your radio is switched on and will reconnect without further action from you.

#### To Pair your radio with your W1

1. Switch your radio OFF.
2. Press and Hold the **PTT** button on your radio's hand microphone, then switch your radio ON.
3. 'PAIR' will be displayed, the PTT icon will flash and the radio will beep slowly. Release the **PTT** button.
4. Now press and hold both **Function** keys on the W1.
5. After a few seconds the radio should beep 3 times and 'Pair' will disappear from the display. The W1 is now paired with your radio.



Function keys

**NOTE:** If you do not complete the Pairing process within 20 seconds the Pairing function will time-out with a low beep and 'PAIR' will disappear from the display. If this happens, restart the process at step 1.

### RADIO MENU OPTIONS

Once the W1 has been paired, a number of additional W1 menu items will automatically become available on your radio.

#### Microphone Input

Your radio has two microphone sockets – on the front and rear panels. The Microphone Input selector allows you to choose which microphone socket will

be used for hands-free transmissions. You can for example plug the original hand microphone into the front socket and the remote microphone into the rear socket and configure the rear socket for hands-free use. Alternately you could choose to install just the original hand microphone and use it for both handheld and hands-free operation.

To select the hands-free microphone input;

1. Press and Hold the **Menu** key until the radio beeps. The radio will enter the Menu mode.
2. Press the **Menu** key repeatedly until 'WMIC1' or 'WMIC2' is displayed.
3. Rotate the **Channel** selector or press the ▲ or ▼ keys to toggle between 'WMIC1' (front microphone socket) or 'WMIC2' (rear microphone socket).
4. Press and hold the **Menu** key (or wait for the Menu function to time-out) to store your setting and exit the Menu.

### **Microphone Gain Adjustment.**

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The microphone gain controls the sensitivity of the selected hands-free microphone when operating in hands-free mode. Since the mounting position of the hands-free microphone will vary between installations, the gain control allows you to adjust the microphone sensitivity to ensure your voice is transmitted clearly. When the gain has been adjusted correctly, your hands-free voice level, when heard on a receiving radio, should sound similar to that when using your hand microphone the conventional way.

To adjust the gain, you will require the help of another person with a similar UHF radio.

Begin by sitting in your vehicle in your normal driving position. Select a quiet channel and arrange for someone to listen to your transmission. They should not be too close, as your voice level will not be accurately represented if your signal is overloading their receiver.

1. Hold the original hand microphone in the conventional way and press the **PTT**. Talk into the microphone in a normal voice and get the other person to adjust their volume for a comfortable level. This transmission will give them a reference level for the next stage.
2. Release the **PTT** on the hand microphone (if your hand microphone is also being used as your hands-free microphone, place it in its normal 'hangup' position before continuing).



3. Press the remote **PTT** button and talk again in a normal voice. If the other person indicates that your voice level is now too high or too low, you can adjust the gain as follows.
  - a. Press and Hold the **Menu** key until the radio beeps. The radio will enter the Menu mode.
  - b. Press the **Menu** key repeatedly until 'WGAIN' is displayed.
  - c. Rotate the **Channel** selector or press the ▲ or ▼ keys to adjust the gain. The gain can be adjusted from -12 dB to +30 dB. A level of 0 dB is equivalent to zero gain.
4. When the required gain has been set, press and hold **Menu** (or wait for the Menu function to time-out) to store your setting and exit the Menu.

Repeat from step 1 until your hands-free voice level is similar to talking into your hand microphone. Use only as much gain as required for your voice to be heard clearly. Excessive microphone gain will also amplify vehicle noise which can make your voice difficult to hear clearly when driving. We recommend you also test your hands-free microphone whilst driving to check for background noise and readjust the gain if necessary.

**NOTE: Do not attempt to adjust the microphone gain while driving**

**NOTE: Always stop your vehicle before adjusting the microphone gain**

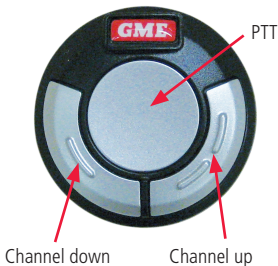
## PROGRAMMABLE KEY FUNCTIONS

The two function keys on the remote unit can be programmed to provide either channel up/down selection or scanning/priority functions. Please refer to your radio's user manual for more details on using these features.

Channel Selection Option (WCHNL)

**To select your preferred option;**

1. Press and Hold the **Menu** key until the radio beeps. The radio will enter the Menu mode.
2. Press the **Menu** key repeatedly until 'WCHNL' or 'WSCAN' is displayed.



3. Rotate the **Channel** selector or press the ▲ or ▼ keys to toggle between 'WCHNL' (Channel Selector) or 'WSCAN' (Scan/Priority) functions.
4. Press and hold **Menu** (or wait for the Menu function to time-out) to store your setting and exit the Menu.

### USING THE CHANNEL SELECTOR OPTION

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Briefly press the **left** key to select a lower channel or the **right** key to select a higher channel.

Press and hold the **left** key to quickly step downwards through the channels or the **right** key to quickly step upwards. Release the key to stop.

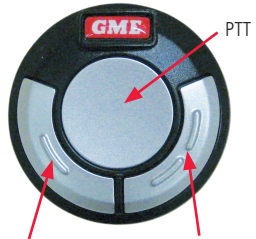
### USING THE SCAN/PRIORITY OPTION

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Briefly press the **left** key to start or stop scanning. Press and hold the **left** key to add or remove the currently selected channel from the scan memory.

Briefly press the **right** key to switch immediately to the priority channel. Press and hold the **right** key to store the currently selected channel as the priority channel.

Scan/Priority Opti on (WSCAN)



Scan (memory)

Priority (store)

## SPECIFICATIONS

### Electrical

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Compliant specification: Meets AS/NZS 4268:2008 for short range devices

Frequency range TX: 2.4 GHz

Operating temperature: -10°C to 60°C

Current consumption: 2 uA on standby, 12 mA on transmit

RF output: 4 dBm

Battery type: CR2025

### Mechanical

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Dimensions: 40 mm diameter x 14 mm (h)

Weight: 12 grams

# STANDARD COMMUNICATIONS CONTRACT

## WARRANTY AGAINST DEFECTS

This warranty against defects is given by Standard Communications Pty Ltd ACN 000 346 814 (We, us, our or GME). Our contact details are set out in clause 2.7.

### 1. Consumer guarantees

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- 1.1 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.
- 1.2 To the extent we are able, we exclude all other conditions, warranties and obligations which would otherwise be implied.

### 2. Warranty against defects

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- 2.1 This warranty is in addition to and does not limit, exclude or restrict your rights under the Competition and Consumer Act 2010 (Australia) or any other mandatory protection laws that may apply.
- 2.2 We warrant our goods to be free from defects in materials and workmanship for the warranty period (see warranty table) from the date of original sale (or another period we agree to in writing). Subject to our obligations under clause 1.2, we will at our option, either repair or replace goods which we are satisfied are defective. We warrant any replacement parts for the remainder of the period of warranty for the goods into which they are incorporated.
- 2.3 To the extent permitted by law, our sole liability for breach of a condition, warranty or other obligation implied by law is limited
  - (a) in the case of goods we supply, to any one of the following as we decide -
    - (i) the replacement of the goods or the supply of equivalent goods;
    - (ii) the repair of the goods;
    - (iii) the cost of repairing the goods or of acquiring equivalent goods;
  - (b) in the case of services we supply, to any one of the following as we decide –
    - (i) the supplying of the services again;
    - (ii) the cost of having the services supplied again.
- 2.4 For repairs outside the warranty period, we warrant our repairs to be free from defects in materials and workmanship for three months from the date of the original repair. We agree to re-repair or replace (at our option) any materials or workmanship which we are satisfied are defective.
- 2.5 We warrant that we will perform services with reasonable care and skill and agree to investigate any complaint regarding our services made in good faith. If we are satisfied that the complaint is justified, and as our sole liability to you under this warranty (to the extent permitted at law), we agree to supply those services again at no extra charge to you.
- 2.6 To make a warranty claim you must before the end of the applicable warranty period (see warranty table), at your own cost, return the goods you allege are defective, provide written details of the defect, and give us an original or copy of the sales invoice or some other evidence showing details of the transaction.

- 2.7 Send your claim to: Standard Communications Pty Ltd. Unit B, 22-24 College Street, Gladesville, NSW 2111, Australia. Telephone: (02) 9879 8888 Fax: (02) 9816 4722. Email: servadmin@gme.net.au
- 2.8 If we determine that your goods are defective, we will pay for the cost of returning the repaired or replaced goods to you, and reimburse you for your reasonable expenses of sending your warranty claim to us.

### 3. What this warranty does not cover

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- 3.1 This warranty will not apply in relation to:
- (a) goods modified or altered in any way;
  - (b) defects and damage caused by use with non Standard Communications products;
  - (c) repairs performed other than by our authorised representative;
  - (d) defects or damage resulting from misuse, accident, impact or neglect;
  - (e) goods improperly installed or used in a manner contrary to the relevant instruction manual; or
  - (f) goods where the serial number has been removed or made illegal.

### 4. Warranty period

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- 4.1 We provide the following warranty on GME and Kingray products. No repair or replacement during the warranty period will renew or extend the warranty period past the period from original date of purchase.

PRODUCT TYPE	WARRANTY PERIOD
Wireless remote	3 years



**[gme.net.au](http://gme.net.au)**

Standard Communications Pty Ltd trading as GME.  
17 Gibbon Road, Winston Hills NSW 2153, Australia