GME

XRS-BT1

XRS™ CONNECT BLUETOOTH® INTERFACE MODULE & WIRELESS PTT

INSTRUCTION MANUAL

CONTENTS

IMPORTANT NOTICE

Before proceeding, ensure that both your XRS™ Radio and XRS-BT1 are updated to the latest version. For detailed instructions on how to upgrade, please refer to the section:

UPGRADING INTERFACE MODULE USING XRS™ CONNECT APP - Page 16.
Failure to update may result in suboptimal performance or compatibility issues.

⚠ WARNING

THIS PRODUCT CONTAINS A BUTTON BATTERY.

If swallowed, a lithium button battery can cause severe or fatal injuries within 2 hours.

Keep batteries out of reach of children.

If you think batteries may have been swallowed or placed inside any part of the body, seek immediate medical attention.

INTRODUCTION

The XRS-BT1 is an interface module providing full Bluetooth® audio connectivity and wireless PTT (Push-to-Talk) functionality to the full range of XRS™ Connect UHF CB Radios.

Bluetooth® audio connectivity allows the XRS-BT1 to wirelessly connect to an extensive range of third-party audio accessories including headphones, hearing aids, and vehicle stereo systems, providing users with new and improved ways to stay connected.

Included in the kit is an adjustable steering wheel clamp which provides a simple mounting solution for the IP67 wireless PTT button and a wired hands-free microphone with a 1.8 metre cable for easy mounting options.

The PTT clamp design provides access to the battery without the need to remove it from the steering wheel, plus, the PTT button can also be removed from the clamp and mounted to an alternative location using the dash mount kit supplied.

FEATURES

KEY FEATURES

- Bluetooth® Wireless Technology – Audio and Data
- Connect to Compatible Bluetooth® Devices
- Wireless Push-to-Talk
- Adjustable Steering Wheel Clamp
- IP67 Ingress Protection (XRS-PTT)
- Wired Push-To-Talk Input

IN THE BOX

- Bluetooth® Interface Module + two mounting screws
- Wireless PTT and Steering Wheel Clamp (XRS-PTT)
- Pillar Mount Microphone (MC014)
- PTT Dash Mount Kit
- 2mm Silicone Sleeve

WIRELESS PTT RANGE

The Wireless PTT Button has a line-of-sight range of around 5 – 7 meters depending on the installation. Range may be reduced slightly if the Interface Module or the Wireless PTT Button 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.

WIRELESS PTT MOUNTING

STEERING WHEEL MOUNT

The steering wheel mount clamps onto the steering wheel in a position where the XRS-PTT can be easily reached without distraction while driving. Place the XRS-PTT into the top clamp, then screw the clamp mount cover. Place the top clamp on the steering wheel at the preferred location and fit the bottom clamp. Secure with the two screws provided. Refer to Page 8 for details.

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

WIRELESS PTT AND STEERING WHEEL MOUNT
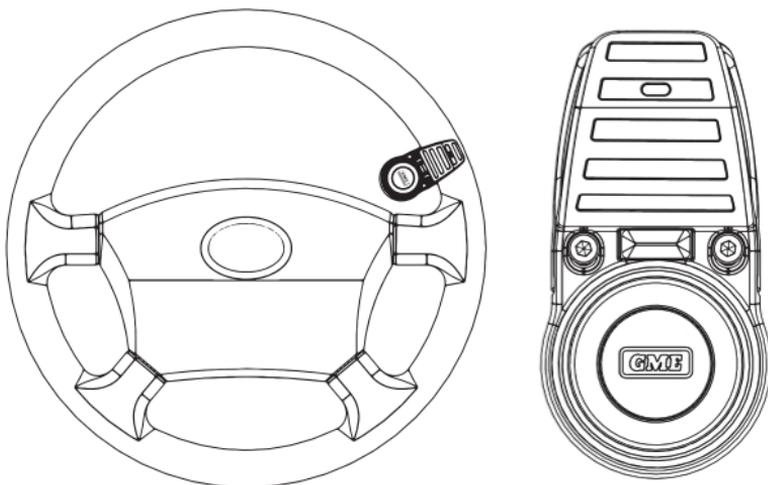
PANEL/DASH MOUNT

The Wireless PTT Button can also be mounted onto a flat surface using the supplied dash mount kit. Mount the Wireless PTT Button in a location that is easy to reach without distraction while driving. **NOTE** - installing onto a metallic surface will reduce the signal range. Refer to Page 11 for details.

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

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 interface module and plug it into the 3.5mm microphone socket.

Note: Installing the external remote microphone is optional. The radio can be configured to use the original smart microphone (MC66x) with the Wireless PTT Button for hands-free communications if preferred. See '**RADIO MENU OPTIONS**'.

External remote microphone mounting suggestions

INSTALLING THE BLUETOOTH INTERFACE MODULE

MAIN WIRING AND CONNECTION

UHF antenna

Optional extension speaker

12V DC

Microphone

Red+ -Black

Coax cable

Fuse

Connector plug

External Microphone Input

Interface Module

NOTE: The XRS-BT1 must be connected directly to the XRS™ Connect radio as per the above illustration.
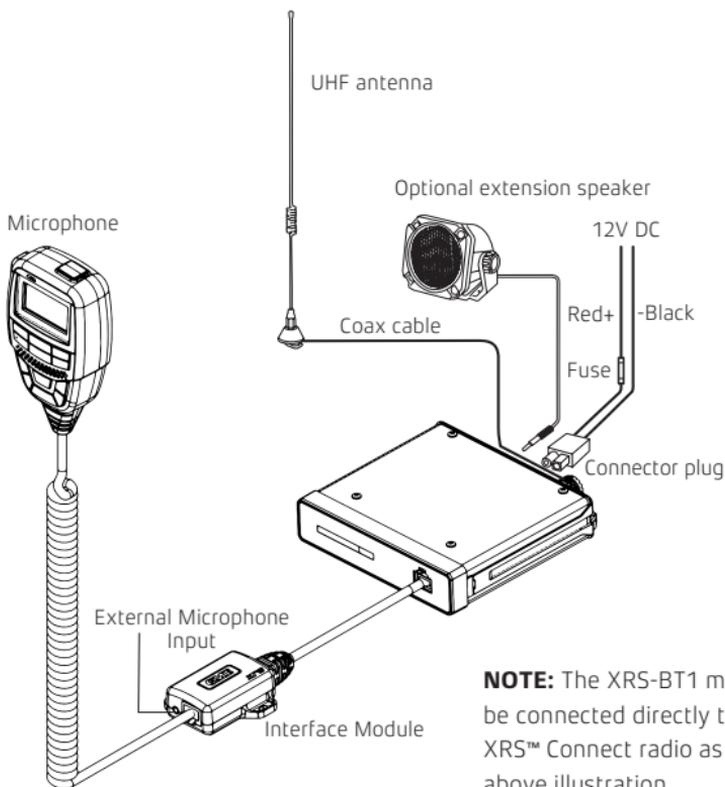
FRONT AND BACK VIEWS

FRONT
3.5mm External Microphone Input
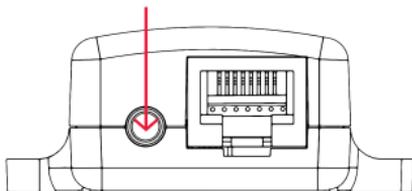
BACK
2.5mm Fixed PTT Input
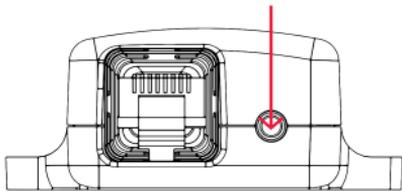
INTERFACE MODULE

You can choose to fasten the Interface Module with the provided Pan Head Phillips Drive 3Gx8mm screws or with a maximum 4.5mm width zip ties.


XRS-PTT STEERING WHEEL CLAMP MOUNT

1. Use a 2.5mm Hex key to loosen the two bolts on Steering Wheel Clamp Mount without removing it.
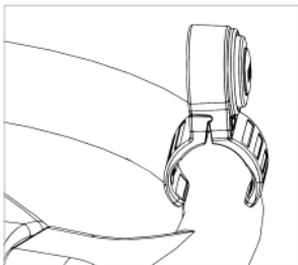
1.1 If the steering wheel has a small diameter OR has soft grips then an additional 2.0mm spacer may be required.
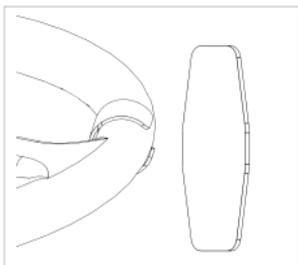
2. Slide XRS-PTT onto steering wheel and adjust for preferred location/angle.
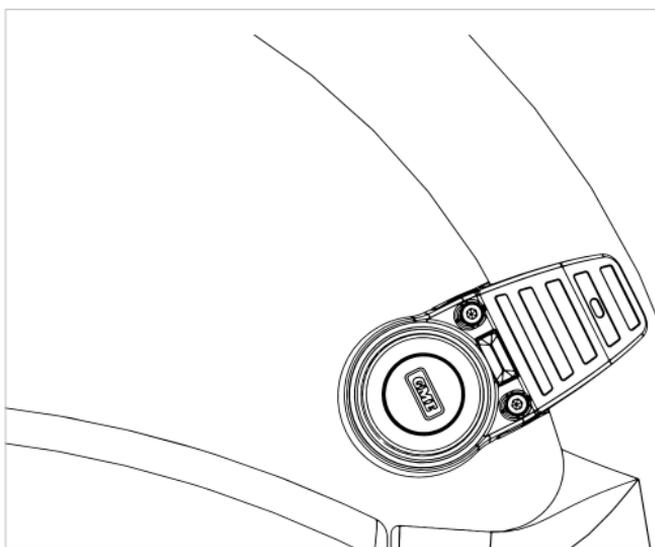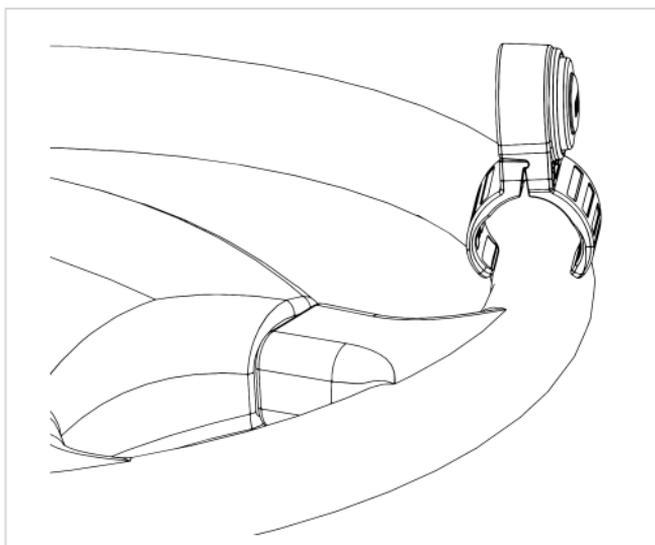
3. Use 2.5mm Hex key to hand tighten (do not over torque or use a power driver) two bolts to clamp down the mount. The mount is designed to fit a variety of steering wheel diameters as shown below:

NOTE: The XRS-PTT Steering Wheel Clamp is suitable for circular or elliptical shape steering wheel cross-section shapes.

Maximum Diameter

35.0mm

Minimum Diameter

27.6mm
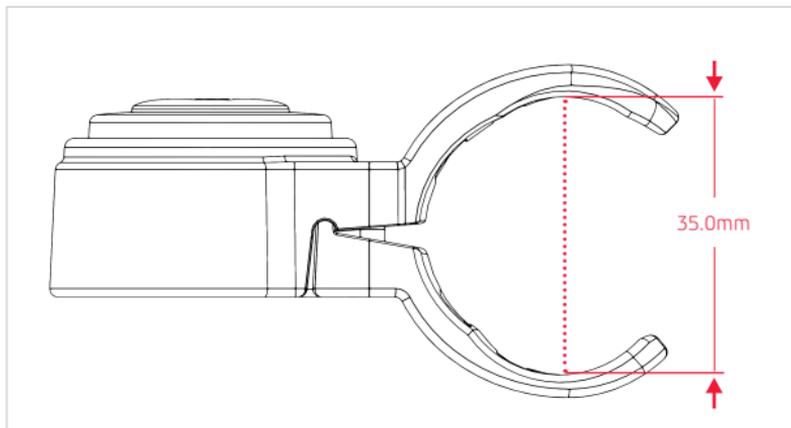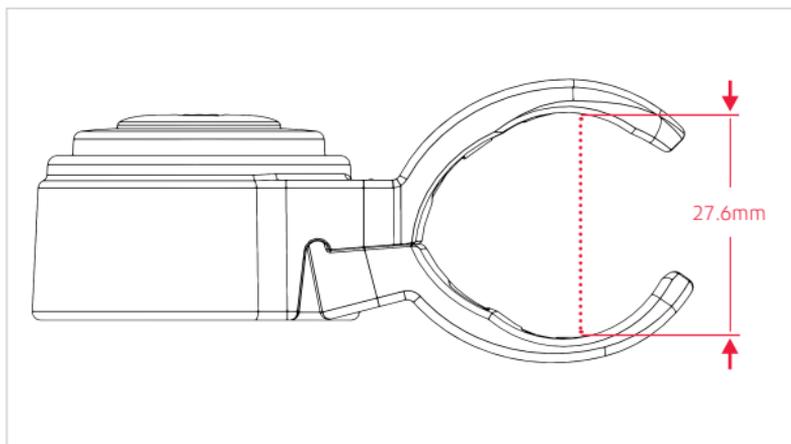
XRS-PTT DASH MOUNT

1. Remove adhesive film from Hook Fastener Patch (one with the hole) onto the
    bottom of the PTT. Ensure slots are unobstructed.
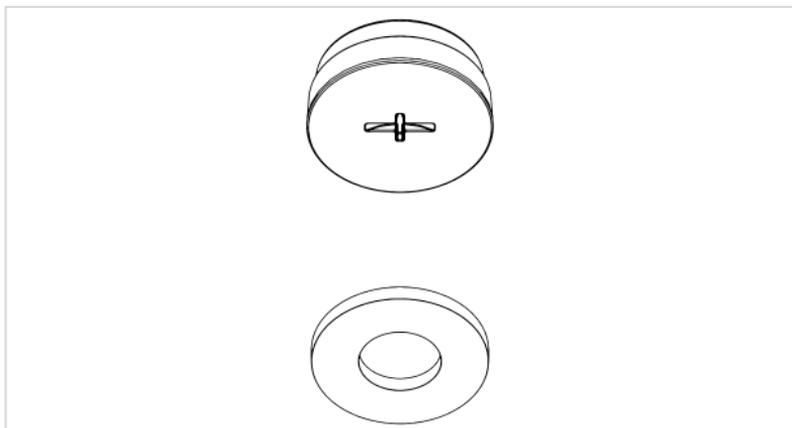
2. Remove adhesive film from Loop Fastener Patch (one without the hole) onto
    a flat and clean surface.
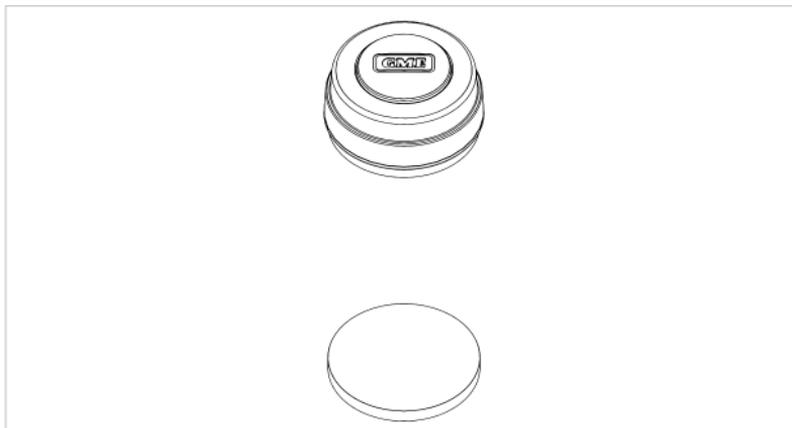
3.   Remove Clamp Mount Cap.
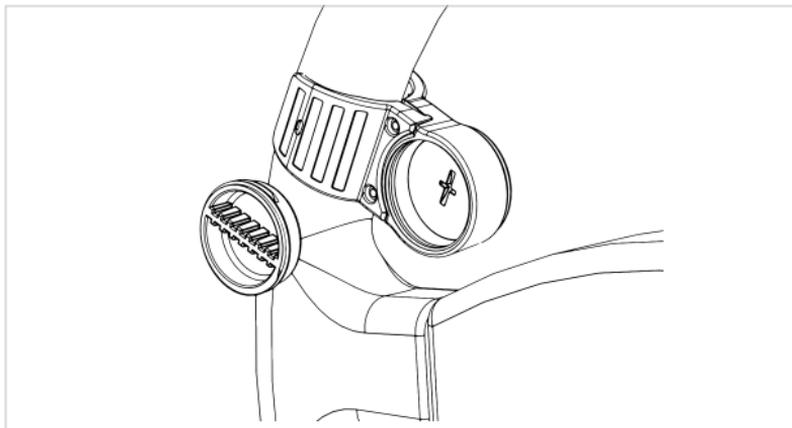
4.   Remove PTT Button.
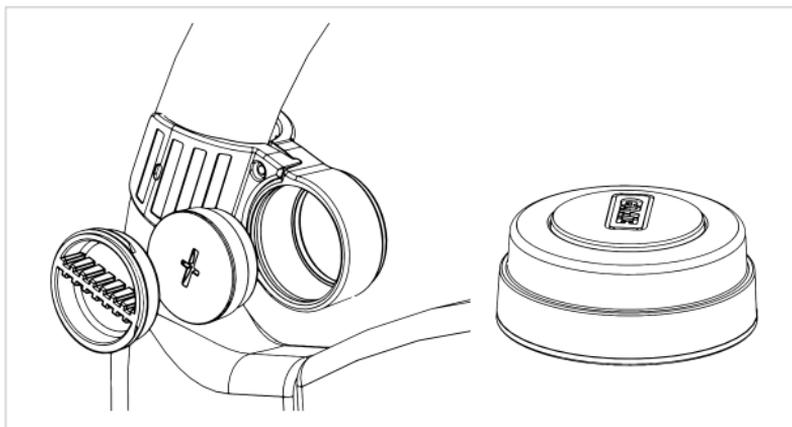
6. Use a 10c coin OR a Flat head screw driver (max size 1.2x6.5mm). Do not use other tools as it might damage the slots.

For Flat Head screwdriver
(max 1.2 x 6.5mm)   For 10 cent coin ONLY
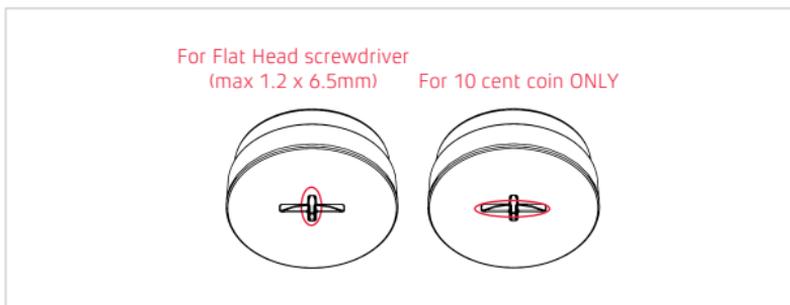
7. Remove PCB. Ensure you are in a dust-free, water-free, and static-free environment to ensure no damage to exposed PCB.
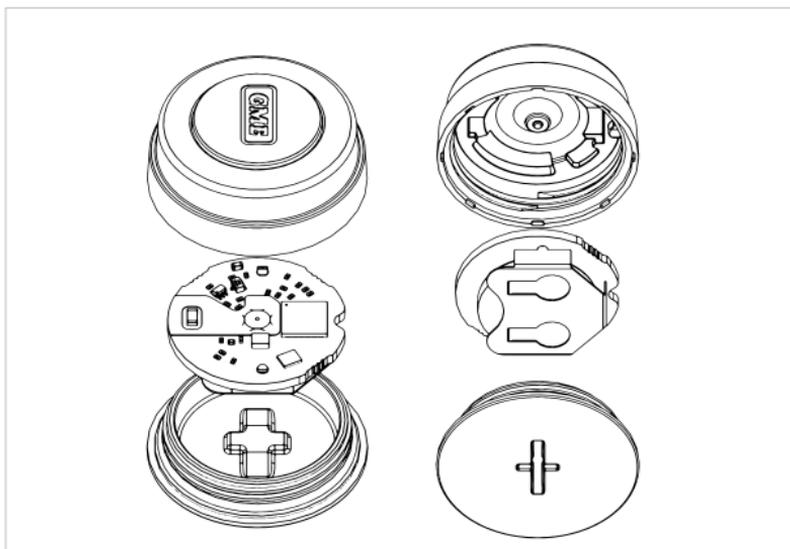
8. Remove and Replace 3V CR2032 coin cell battery.
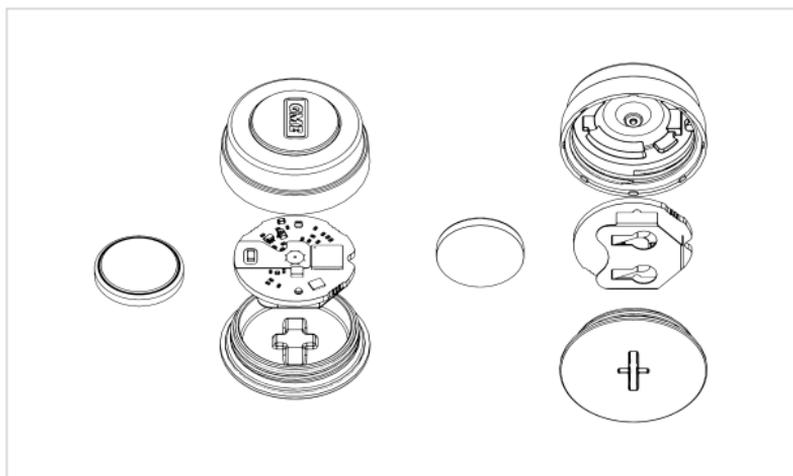
9. Place PCB with new coin cell into main housing. Use the orientation notch to align pcb in correct position.
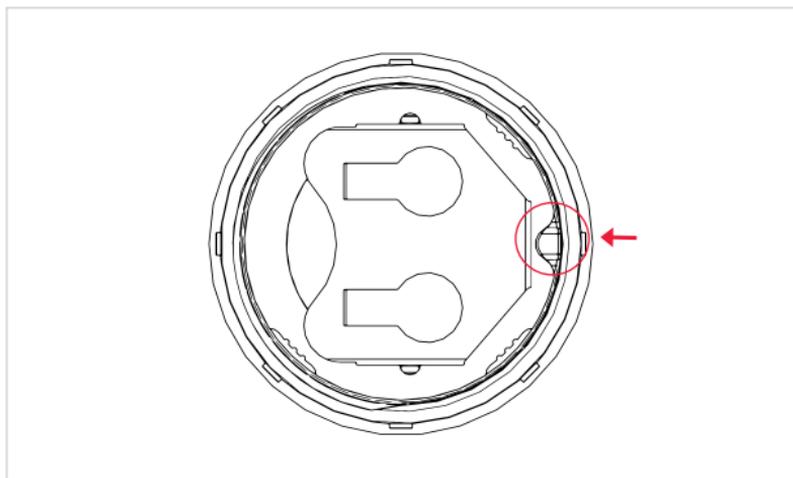
Note: These steps are important as it will ensure the unit is IP67 rated/waterproof and that the switch has the correct tactile feel and engagement.

10.   Ensure the RED O-Ring is positioned flat onto the battery Lid.

11.   Ensure lid is closed correctly and is tightened to the correct torque. The O-Ring should not be visible when correctly tightened.
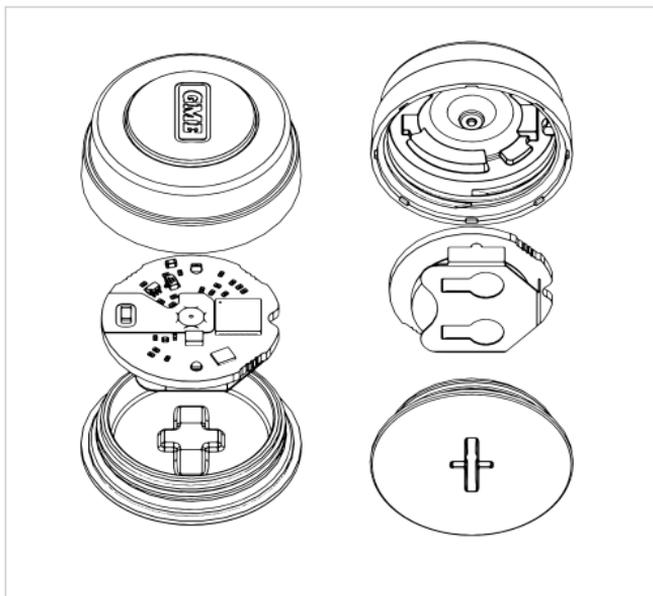
INSTALLATION TROUBLESHOOTING

- The XRS-PTT Tactile button is not engaging after installing a new battery:

  o   Refer to STEP 9 and onwards.

  o   If the PCB is not aligned properly then there will be interference with the button and the PCB.

  o   If the lid is not tightened properly then the button will not engage properly with the switch.

- Cannot open or close XRS-PTT battery lid:

  o   Refer to STEP 6.

  o   The coin cell battery is only accessible with a tool; a 10 cent coin or a (max) 1.2x6.5mm Flat head screw driver.

- XRS-PTT Button is rattling in the steering wheel clamp:

  o   Ensure clamp cap is tightened.

PAIRING

HOW TO UTILISE WIRELESS PTT BUTTON

1. Turn the Bluetooth via the XRS™ microphone.
2. Press the **MENU** button on the MC66x.
3. Select the **BLUETOOTH** setting option from the MC66x menu
4. Select the **VISIBLE DEVICES** option and press and hold the **XRS_PTT** button until you see **XRS_PTT** appear.
5. Select the **XRS_PTT** and select 'Connect'.
6. Then go to the **PAIRED DEVICES** and the **XRS_PTT** should be visible.

   a. In the same screen, next to the 'XRS_PTT', there should be an asterisk (*) next to the name.

PAIRING BLUETOOTH AUDIO

1. Turn the Bluetooth On via the XRS™ microphone and the headset.

2. Press the **MENU** button on the MC66x.

3. Select the **BLUETOOTH** setting option from the MC66x menu.

4. Check the **VISIBLE DEVICES** option to see the Bluetooth device name.

5. Select the required Bluetooth device name and click on **CONNECT**.

6. Then go to the **PAIRED DEVICES** and the Bluetooth device name should be visible.

    a. In the same screen, next to the Bluetooth device name, there should be an asterisk (*) next to the name as illustrated in the below Figure 4 marked in red circle.

    b. A Headset symbol 🎧 should appear on the top right-hand side of the MC66x main screen as illustrated in the below Figure 4 marked in red circle.

XRS™ CONNECT APP

UPGRADING INTERFACE MODULE USING XRS™ CONNECT APP

For iOS users:

1. Ensure you have the latest update of the XRS™ Connect App which can be found on the App Store.

2. Connect the Radio to the XRS™ Connect App following the pairing procedures of the XRS™ Connect App.

3. Above the connected radio name, the following will appear: "XRS-BT1 firmware update available. Transfer now?"

4. Click on the "Start transfer" button, next to the above message.

5. A loading bar will appear with "Transferring" button.

6. After the transfer is complete, the radio should automatically reboot and reconnect to the XRS™ Connect App.
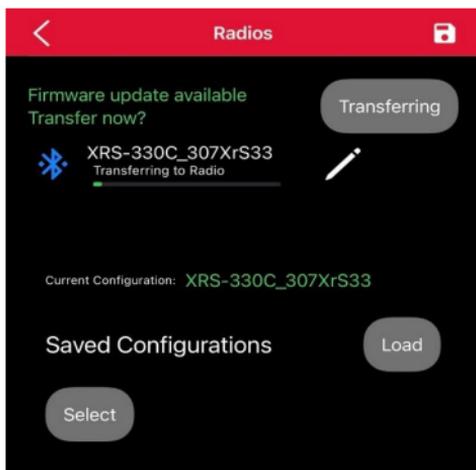
For Android users:

1. Ensure you have the latest update of the XRS™ Connect App which can be found on the Play Store.

2. Connect the Radio to the XRS™ Connect App following the pairing procedures of the XRS™ Connect App.

3. Above the connected radio name, the following will appear: "A Firmware update is available for your BT-1 module. This process will take several minutes to complete. Upgrade now?" it will also display the current firmware version and the available firmware version.

4. Click on the "Proceed" button as shown below.

5. A loading bar will appear with "Transferring" button.

6. After the transfer is complete, the radio should automatically reboot and reconnect to the XRS™ Connect App.

To check the version of your device:

1. Press on the MENU key.

2. Go to Radio Settings option. Using the ▲ or ▼ keys.

3. Go to Versions.

4. Scroll using ▲ or ▼ keys to look for BT1 F/W where the new update number will be displayed.
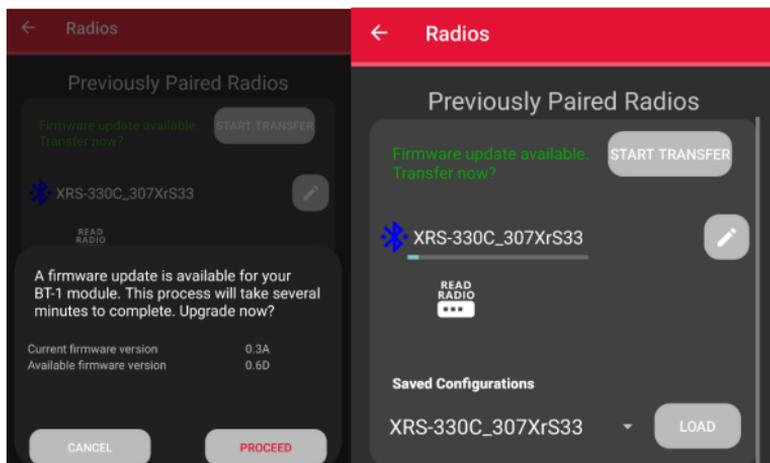
XRS™ CONNECT APP

The GME XRS™ Connect app is the easy way to customise, update and maintain your XRS™ Connect radio. To download the free XRS™ Connect app for iOS or Android go to the App Store or Google Play and search for 'XRS™ Connect'.

PAIRING WITH XRS™ CONNECT APP

To pair your Smart Device with your XRS™ Connect radio, open the XRS™ Connect app, select 'Radios' from the menu. Locate your radio in the list and press. If a previously paired radio is found it will automatically connect. Your Smart Device will now pair with your radio and the ✶ icon on your radio will change to 【✶】 to show that the Bluetooth pairing is successful.

Once connected, select the 'Read from Radio' button to read your radio's settings into the app. After you have configured your preferences in the app, select 'Write to Radio' to update your radio with your new settings.

NOTE: The Bluetooth® connection between your smart device and your XRS™ Connect radio must be made through the XRS™ Connect app. You will not be able to pair your smart device to your XRS™ Connect radio using the normal Bluetooth settings option on your smart device.

GENERAL OPERATION

RADIO MENU OPTIONS

The Menu provides access to all the settings, adjustments and functions listed in the table below. All menu items are controlled using the MENU, ▲, ▼ and **BACK** keys.

To access the menu, press the **MENU** key.

To scroll through the list of menu items press the ▲ or ▼ keys.

To select an item, press the **MENU** key.

To step back through the menu, or to exit the current screen, HOLD the **BACK** key.

A context menu is included at the bottom of each screen. The options offered will change depending on the selected topic.

SEL:OPTION = Briefly press the **MENU** key to select the option.

HLD:OPTION = Press and hold the **MENU** key to select the option.

RADIO MENU TABLE (WITH INTERFACE MODULE CONNECTED

MENU	OPTIONS	OPTION SETTINGS
ZONES	ZONE 01 ZONE 02 ZONE 03 ZONE 04 ZONE 05 ZONE 06 ZONE 07 ZONE 08	GO/EDIT
BLUETOOTH	SECURE PAIR / PAIR (WHEN SECURE PAIRING IS ON) PAIRED DEVICES VISIBLE DEVICES	ON/OFF
PROG BUTTONS	XRS BUTTON PRESS XRS BUTTON HOLD TOP BUTTON HOLD	DISPLAY DIM CB SCAN MEMORY QUIET MEM QUIET MODE SCRAMBLER SQUELCH LEVEL ZONES VOICE PLAYBACK ACTIVE MUTE DUAL WATCH SELCALL RESEND LOC TX TOGGLE
	TOP BUTTON PRESS	CYCLE SCAN CHANNEL SELCALL VOICE PLAYBACK ACTIVE MUTE DUAL WATCH
FUNCTIONS	TOGGLE Q MEMORY TOGGLE QMODE TOGGLE SCAN TOGGLE SILENT	ON/OFF

MENU	OPTIONS		OPTION SETTINGS
RADIO SETTINGS	AUTO POWER	TIMEOUT	30-180 MIN/NONE
		RECV RESETS	ON/OFF
		B'TOOTH HALTS	ON/OFF
	BEEP VOLUME		0 to 10
	BRIGHTNESS		0 to 10
	BUSY LOCKOUT		ON/OFF
	CB SUBTONE		CTCSS/DCS TONES
	DISPLAY		NONE / VOLTS / S-LIN / S-MET
	DYNAMIC VOLUME CONTROL		ON/OFF
	MIC GAIN		+0DB TO +9DB
	BT1 MIC GAIN		-12DB TO +24DB
	PRIORITY CHANNEL		CB01 to CB80
	ROGER BEEP		ON/OFF
	SCRAMBLER		ON/OFF
	SPEAKER		RADIO, MIC, BOTH
	SQUELCH LEVEL		1 TO 9
	SQUELCH TAIL		ON/OFF
	SELCALL ACK		ON/OFF
	VERSIONS		MODEL, SERIAL #, FIRMWARE, BLUETOOTH H/W, BLUETOOTH F/W, BT1 F/W
	RESET SETTINGS		CANCEL, RESET RADIO, FACTORY RESET
SCAN SETTINGS	CB SCAN MEMORY		A OPEN SCAN B PRIORITY SCAN C NETWORK SCAN
	NETSCAN SUBTONE		CTCSS/DCS
SELCALL	MAKE SELCALL LAST OWN MEMORY - 20		

MENU	OPTIONS	OPTION SETTINGS
XRS FEATURES > LOCATION SERVICES	LOCATION TX	ON/OFF
	LOC SOURCE (MC668)	GPS/APP+
	SET ID/STATUS	USER ID/STATUS
	LOC TIMEOUT	NONE - 180 MINUTES '30 MINUTES' IS THE DEFAULT OPTION.
	MIC DISPLAY	LOC/TXT/OFF
	GPS DISPLAY (MC668)	ON/OFF
	SELCALL UID	ON/OFF
	TX DATA LIMIT	ON/OFF
	SHOW OWN LOC (MC668)	LONGITUDE/LATITUDE/ELEVATION
XRS FEATURES > VOICE PLAYBACK	ENABLE	ON/OFF
	CLEAR ALL	-
	PLAYBACK	-
XRS FEATURES > ACTIVE MUTE	MUTE TIMEOUT	NONE - 180 MINUTES; '30 MINUTES' IS THE DEFAULT OPTION
	REDUCE VOLUME	MUTE, 75%, 50%, OR 25% REDUCTION IN CURRENT VOLUME; 'MUTE' IS THE DEFAULT OPTION

AUDIO SOURCE OPTIONS TABLE

Depending on the PTT Source, the Mic and Speaker behaviour is as follows:

PTT SOURCE	MIC AUDIO SOURCE	SPEAKER AUDIO OUTPUT
MC66X	1. MC66X (DEFAULT)	1. BT HEADSET (DEFAULT)
	BT HEADSET - NOT SELECTABLE	2. MC66X/RADIO SPEAKER
	WIRED MIC - NOT SELECTABLE	
WIRED PTT	1. BT HEADSET (DEFAULT)	1. BT HEADSET (DEFAULT)
	2. WIRED MIC	2. MC66X/RADIO SPEAKER
	3. MC66X	
WIRELESS PTT	1. BT HEADSET (DEFAULT)	1. BT HEADSET (DEFAULT)
	2. WIRED MIC	2. MC66X/RADIO SPEAKER
	3. MC66X	

MICROPHONE GAIN

The microphone gain controls the sensitivity of the microphone to your voice input level. If you are quietly spoken or are operating in a quiet environment, you can increase the microphone gain to make your voice sound clearer. If your voice is quite loud or you are working in a noisy environment and wish to minimise the amount of background noise that is picked up, you should reduce the microphone gain.

To adjust microphone gain:

1. Press the **MENU** key.

2. Navigate through the menu to select **RADIO SETTINGS > MIC GAIN**, then press the **MENU** key. You can use the ⋀ or ⋁ key to increase or decrease the microphone gain.

NOTE: The Microphone Gain provides a 'fine' adjustment to the microphone sensitivity. A wider adjustment range is available through the XRS™ Connect App.

To adjust BT1 microphone gain:

1. Press the **MENU** key.

2. Navigate through the menu to select **RADIO SETTINGS > BT1 MIC GAIN**, then press the **MENU** key. You can use the ⋀ or ⋁ key to increase or decrease the BT1 Microphone gain.

SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

XRS-BT1

OPERATING VOLTAGE	10.5V DC MINIMUM TO 16.5V DC MAXIMUM SUPPLIED FROM RADIO UNIT
OPERATING CURRENT	35MA MAXIMUM
BLUETOOTH	BLUETOOTH 5.1 CLASS 1
MAX RF POWER	+13.7DBM - 23.4MW
FREQUENCY RANGE	2402MHZ ~ 2480MHZ
OPERATING TEMPERATURE	-10° C TO +60° C

XRS-PTT

OPERATING VOLTAGE	2.0V DC ~ 3.6V DC SUPPLIED BY SINGLE LI-ION COIN CELL
OPERATING CURRENT	12MA MAXIMUM 800UA AVERAGE
COMPATIBLE COIN CELLS	CR2032 (220MAH) CR2025 (170MAH CR2016 (75MAH)
NOMINAL RUN TIME 5% PTT, 95% IDLE	5500HRS / 230 DAYS. CR2032 (220MAH) CELL
MAX RF POWER	+5.7DBM - 3.7MW
OPERATING TEMPERATURE	-10° C TO +60° C

MECHANICAL SPECIFICATIONS

Dimensions/Weight

	DIMENSIONS	WEIGHT
XRS-BT1 PACKAGED	184mm (L) X 132mm (W) X 56mm (H)	216 GRAMS
INTERFACE MODULE ONLY	60mm (L) X 36mm (W) X 21mm (H)	38 GRAMS
WIRELESS PTT BUTTON ONLY	34mm DIAMETER X 16mm (H)	14 GRAMS
WIRELESS PTT BUTTON WITH CLAMP	80mm (L) X 40mm (W) X 38mm (H)	56 GRAMS

IP67 Ingress Protection: Waterproof & Dustproof

WIRELESS PTT BUTTON ONLY	IP67 INGRESS PROTECTION: WATERPROOF & DUSTPROOF

COMPLIANCE

Interface Module and Wireless PTT Button: AS/NZS 4268:2017 for short range devices.

F2022C00445: Consumer Goods (Products Containing Button/Coin Batteries) Safety Standard 2020.

F2020L01657: Consumer Goods (Products Containing Button/Coin Batteries) Information Standard 2020.

GME CONTRACT WARRANTY AGAINST DEFECTS

1. Consumer guarantees

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:

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.

Before returning any goods you will be required to follow the available options:

Contact our Customer Support Team on 1300 463 463 or techsupport@gme.net.au.

A customer support team member will troubleshoot and validate if your product is faulty. If so, they will email you a product RMA (Return Material Authorisation).

Products that are authorised to be returned to GME must include the following:

RMA form (Return Material Authorisation)

A copy of your proof of purchase, the faulty product, including all accessories

2.7 Send your claim to:
GME Pty Ltd.
17 Gibbon Rd, Winston Hills, NSW 2153, Australia.
Tel: (02) 8867 6000 Fax: (02) 8867 6199.
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:

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:

4.1 We provide the following warranty on GME 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
Interface Module and PTT	3 Years
Accessories	1 Year

Requires **Bluetooth®** 2.1 (Android 8.0 or later) or **Bluetooth®** 4.0 (iOS 15.0 or later).

The *Bluetooth*® word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc. and any use of such marks by GME is under license. Other trademarks and trade names are those of their respective owners.

Apple and the Apple logo are trademarks of Apple Inc., registered in the U.S. and other countries. App Store is a service mark of Apple Inc.

Google Play and the Google Play logo are trademarks of Google Inc.

Find the XRS™ Connect app for iOS and Android:

APP STORE
XRS Connect

GOOGLE PLAY
XRS Connect

gme.net.au
GME Pty Ltd