TMAA10-04 Remote PTT and TMAA10-05 Hands-Free Kits Installation Instructions

TAI radio communications

Introduction

The TMAA10-04 remote PTT kit and the TMAA10-05 hands-free kit plug into the radio's auxiliary connector. Both kits use the remote electret microphone to replace communication through the usual rugged microphone. The rugged microphone can still provide hookswitch operation, if this is required.

The TMAA10-04 kit uses a conveniently mounted remote PTT key for PTT operation. When the remote PTT is activated, the remote microphone is used for communication.

There are three mounting options for the remote microphone and an extension lead is provided for the remote PTT in the TMAA10-04 kit.

🤚 **Important:** These kits do not meet the IP54 protection standard. Care must be taken when a radio with a TMAA10-04 or TMAA10-05 kit installed is being operated in an environment where there is water, dust or other environmental hazards.

remote PTT (TMAA10-04)

extension lead for remote PTT

auxiliary connector plug

remote microphone

remote microphone mounting options

VOX Operation (TMAA10-05 Hands-Free Kit)

Your radio may able to detect the sound of your voice, so that you can make calls without using the PTT key. Voice–operated transmit (VOX) is turned on and off either by using a function key programmed for VOX or by using the radio's Main menu.

Changing to VOX Using a Function Key

The function key programmed for VOX toggles VOX between on and off. When VOX is turned on, it remains on until the function key is pressed again.

While VOX is on, the VOX indication may be programmed to appear below the channel information on your display.

```
Channel 1
   VOX
   ♦       Menu
```

Changing to VOX by Using the Main menu

1. Select **Menu>Radio setting>Function settings>VOX**.

```
Function settings
 VOX
 VOX sensitivity
Cancel        ⬍        Select
```
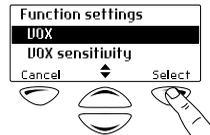
2. In the VOX menu, choose **On**.

3. Press **Select**. When VOX is turned on, it remains on until the function key is pressed again.
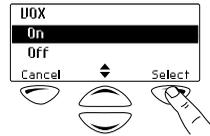
```
VOX
 On
 Off
Cancel        ⬍        Select
```

While VOX is on, the VOX indication may be programmed to appear below the channel information on your display.

```
      Channel 1
         VOX
         ⬍        Menu
```

Changing the Sensitivity of VOX

You may need to change the threshold at which the radio detects your voice and makes a call. To do this, you use the VOX Sensitivity menu.

1. Select **Menu>Radio setting>Function settings>VOX sensitivity**.

```
Function settings
 VOX
 VOX sensitivity
Cancel        ⬍        Select
```
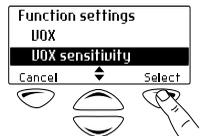
2. In the VOX Sensitivity menu, and use the scroll keys ⌒ or ⌄ to adjust the VOX sensitivity to the desired level.

3. Press **Done** to save this setting.

```
Use the up and down
keys to increase and
decrease sensitivity
Cancel        ⬍        Done
```
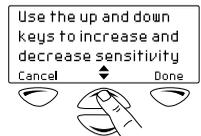
Installation

Important: Care should be taken to avoid routing any cables near vehicle pedal controls, steering column and other moving parts.

Installing the Remote Microphone

1. Choose one of the three mounting options provided for the remote microphone and determine the most appropriate location for the microphone.
   The mounting position of the microphone should be no more than 50 cm (20 inches) from the user's mouth.

2. Route the remote microphone cable so as not to distract the driver.

3. Mount the remote microphone in the chosen location and check that the microphone and cable are clear of all the usual movements performed by the user.

Installing the Remote PTT (TMAA10-04 Remote PTT kit)

Important: The remote PTT must be operable from a normal driving position.

1. Secure the remote PTT in position using the velcro strap and plug the remote PTT cord into the remote PTT extension lead.

   A common position for the remote PTT is on the gear lever of the vehicle.

2. Check that the cord and lead do not interfere with the safe operation of the vehicle.

Radio Programming for the TMAA10-04 Remote PTT Kit

Remote PTT Settings in the PTT Form

The following table shows the settings required in the PTT form of the programming application. Some of these settings are default settings and may not need to be changed. Refer to the online help of the programming application for more information.

Note: The handsfree remote PTT cannot transmit when the rugged microphone is on the microphone clip (microphone hookswitch is closed) if:

■ hookswitch operation is programmed for the rugged microphone, and

■ the **Inhibit PTT Transmission When Mic On Hook** field is selected in the PTT tab of the PTT form.

Remote PTT settings in the PTT form, External PTT (1) tab

Field		Setting
Advanced EPTT1	PTT Transmission Type	Voice
	Audio Source	AUX MIC

Remote PTT Settings in the Programmable I/O Form

Note: The Programmable I/O form setting for **AUX_GPIO4** must have the default programming settings and the AUX_GPIO4 pullup resistor on the radio main PCB must be set for the factory default of 3.3V (R769 fitted).

Remote PTT settings in the Programmable I/O form, Digital tab

Pin	Direction	Label	Action	Active	Debounce	Signal State	Mirrored To
AUX_GPI1	Input	None	External PTT 1	Low	25	None	None
AUX_GPIO4	None	None	No Action	None	None	None	None

Radio Programming for the TMAA10-05 Hands-Free Kit

VOX Settings in the PTT Form

The following table shows the settings required in the PTT form of the programming application. For detailed instructions on how to configure a radio for VOX operation, refer to the online help of the programming application.

VOX settings in the PTT form, External PTT (2) or VOX tab

Field		Setting
EPTT2 or VOX Inhibit	Inhibit PTT When Emergency Active	select[a]
	Inhibit PTT Transmission When Mic on Hook	clear[a]
	Indicate PTT Inhibit to User	clear[a]
Advanced EPTT2 or VOX	PTT Transmission Type	Voice
	Audio Source	AUX MIC
	PTT Priority	Highest[a]

a. These are recommended settings only.

VOX Settings in the Key Settings Form

In the Key Settings form of the programming application, one of the function keys on the control head can be programmed to activate VOX.

VOX settings in the Key Settings form

Field		Setting
Function Key Actions	Key 1[a]	VOX Activation

a. Select the required function key.

More Information

Refer to your radio provider for more information about this product.