T02-00005-ADCA Remote PTT and Microphone Kit / T02-00005-ADAA Hands-Free Kit Installation Instructions

Introduction

These kits use a remote electret microphone to replace the usual rugged microphone. The rugged microphone can still be used and provide hookswitch operation, if this is required.

The T02-00005-ADCA kit also contains a remote PTT key for PTT operation. When the remote PTT is activated, the remote microphone is used for communication.

The T02-00005-ADAA kit, which doesn't contain the remote PTT key, can be used for voice-operated transmission (VOX), if supported by the radio, or combined with an alternative PTT switch.

Both kits plug into the radio's auxiliary connector.

Notice These kits do not meet the IP54 protection standard. Care must be taken when a radio with a T02-00005-ADCA or T02-00005-ADAA kit installed is being operated in an environment where there is water, dust or other environmental hazards.

remote PTT

velcro strap

extension leads for remote PTT and microphone

auxiliary connector plug

remote microphone

Installation

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

Installing the Remote Microphone

1 Determine the most appropriate location for the microphone.

The mounting position of the microphone should be no more than 20 inches (50 cm) from the user's mouth.

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

2 Use the self-adhesive tape to 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.

3 Plug the microphone into the microphone extension lead.

Installing the Remote PTT

⚠ **Warning** **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 Remote PTT

Remote PTT Settings in the PTT Form

The following table shows the settings required in the "External PTT (1)" tab of the PTT form of the programming application. Some of these settings are default settings and may not need to be changed. Refer to the Help of the programming application for more information.

Field		Setting
Advanced EPTT1	PTT Transmission Type	Voice
	Audio Source	Aux Mic

ⓘ The hands-free remote PTT cannot transmit when the standard microphone is on the microphone clip (microphone hookswitch is closed) if the **Inhibit PTT Transmission When Mic On Hook** field is selected in the Mic PTT tab of the PTT form.

Remote PTT Settings in the Programmable I/O Form

The following table shows the settings required in the Programmable I/O form of the programming application. Refer to the Help of the programming application for more information.

Pin	Direction	Label	Action	Active	Debounce	Signal State	Mirrored to
AUX_GPI1	Input	PIN_12	External PTT 1	Low	25	None	None

Radio Programming for VOX operation

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. For more information about VOX operation, refer to the user's guide of your radio.

VOX Settings in the PTT Form

The following table shows the settings required in the "External PTT (2) or VOX" tab of the PTT form of the programming application. For detailed instructions on how to configure a radio for VOX operation, refer to the Help of the programming application.

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 "Conv Key Settings" and "Trunked Key Settings" Forms

In the Key Settings forms of the programming application, one of the function keys can be programmed to activate VOX.

Field		Setting
Actions and Settings	Key 1[a]	VOX Activation

a. Select the required function key.

ⓘ   VOX activation and sensitivity can also be controlled using the menu.

More Information

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