



## RPF Communications



**TalkSafe™**

**Making use of  
the external PTT facility  
on TS062-801 units**



**Patent Pending**

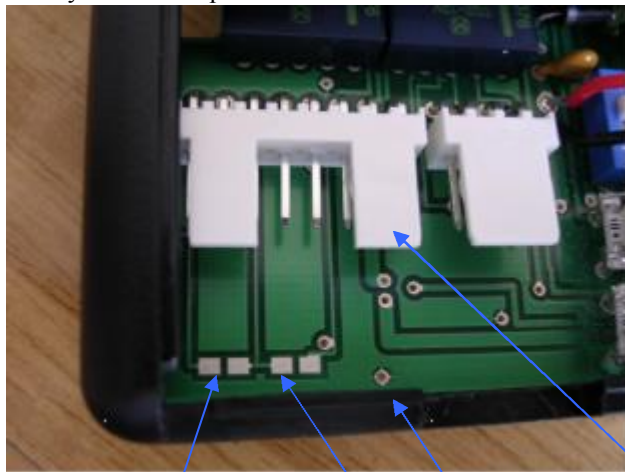
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## Introduction

In answer to the many requests that we have had for external PTT operation, TS062-801 units with serial numbers starting 0607AXXXX and above have the ability to operate with an external PTT input.

As TalkSafe operates full duplex audio, this means that those quick break-in transmissions can be accommodated so you don't miss out on getting that odd 'dig' in on your fellow operators.



To make use of this facility the unit needs to be modified by ensuring that there is no link across R41 and by adding a small (Zero Ohm 0805) link across R42 shown opposite. The external PTT switch is then connected between pin 6 of the Mic/PTT connector and ground.

R41

R42

Ground

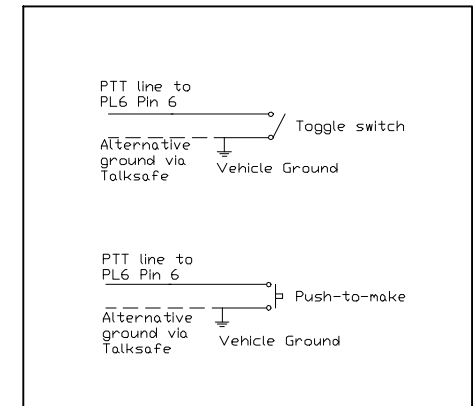
PL6

If you cannot find a convenient point within your vehicle to ground the PTT switch, then it is possible to pick up on the unit ground by soldering the wire to one of the Plated Through ground points on the PCB.

## Choice of Switch

The choice is left up to the user. You can use almost any type of SPST Switch whether it's a push button or a toggle switch. It may also be useful to use a centre off switch with one way that latches and the other way momentary.

**Opposite – Basic switch wiring diagram showing alternative TalkSafe ground arrangement should a convenient vehicle ground be available.**



## In Operation

The TalkSafe unit will operate as normal including the headset Call/Call Cancel button to control the PTT function. The external PTT will operate like any normal PTT switch and as with the original functions the audible indication will be heard in the headset and the PTT indicator will indicate Transmit or Receive function.

The external PTT always takes priority, such that should the headset button be pressed while the external PTT is in transmit, there will be no effect. However, should you start your transmission using the headset PTT, you may override this operation by using your external PTT to firstly transmit and then force the system into receive.