

Wireless PTT Speaker Mic User Guide

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Wireless PTT Speaker Mic

When correctly used with a suitable helmet or headset and the wireless PTT this speaker Mic is designed for Motorcycle, Car and Air sports applications allowing head-up hands-free radio use.

It should not be used where local laws prevent the use of communications equipment, for instance on Public roads.

PTT.

The PTT button is designed to be attached to handlebar, gear stick or a finger by the Velcro loop or cable ties (not supplied).

The PTT has a battery life which is expected to last many years/ presses. The battery is not replaceable as the PTT is welded shut to prevent water ingress. Spare PTT's are available although only one can be used at a time.

The PTT and speaker Mic is weatherproof but not submersible so should not be left out in the rain for long periods.

Speaker Mic

The Speaker Mic functions like any speaker Mic and can be used with or without PTT and Headset. Power for the wireless receiver is taken from the radio. There are no internal batteries.

With a suitable headset plugged in the Mic and Speaker audio is routed to the headset.

Headset

The Speaker Mic can be used with a range of headsets even home-made types. Whatever headset you use take care to protect your hearing from excessive noise levels. As a guide if it sounds loud with bike engine OFF then it is probably too loud. If you then find it hard to hear at speed you need to take action to prevent engine noise reaching your ears. Please contact us as we have alternative solutions.

DIY headsets.

Making your own headset is electrically simple but rather more complicated mechanically.

Mic:

Any standard two wire Electret Mic should work. Mic polarity is important as incorrectly wired they do not work (but will not be damaged). Electret Mics elements can be bought new at Maplin, CPC etc or can be salvaged from Phone earpieces, Cassette records etc.

Speaker:

Any small speakers can be used as can any earpieces although earpieces that plug into or sit inside your ear are not recommended for DIY projects because the high sound pressure levels capable of being generated by two-way radios may easily damage your hearing. Speakers can be wired in series or parallel, in-phase or cross-phase. Results will differ little but you may find one way works better than the others.

Connector

A standard 3.5mm stereo jack plug, straight or right angle can be used. Wired as follows:

- TIP is the speaker wire.
- Ring. Mic +V
- Sleeve. Mid Ground and Speaker Ground.



Pairing.

To pair a replacement PTT connect the Mic to a radio and switch on the radio. To the left of the beltclip is a small 'pairing' button. While pressing this press the wireless PTT three times.