

Using the Wildtalk VOX-MC adaptor for Kenwood

VOX is already set up and ready to use on your radio. You don't need to change any radio settings to get VOX working. These notes are for guidance only and to so you can get the most from the VOX.

The VOX MC is a simple but effective device to allow you to use the internal VOX system found on many newer radios. This device makes VOX functional for Motorcycle use over a wide range of speeds and without which the radio VOX cannot cope.

Normally these internal radio VOX circuits are ineffective in environments of varying noise levels such as found on a Motorcycle. They are preset to trigger transmission at a certain sound level. Sound levels vary greatly depending on speed and the VOX level cannot be easily adjusted while riding. Something more is needed to get the VOX system to work.

How it Works

This unit plugs in between your helmet Mic and the radio, is clipped to you jacket and allows you to conveniently vary the Microphone sensitivity as your speed changes.

At high speed you can make the Mic less sensitive so it is less likely to pick up wind noise. You will naturally speak louder at higher speeds and this will trigger the radio VOX.

At lower speeds you adjust the unit to make the Microphone more sensitive. You will naturally speak quieter at lower speeds and this will trigger the radio VOX correctly too.

Connections

The VOX-MC is available with a connector to suit a variety of helmet kits such as Autocom and Wildtalk types. This is the grey cable and the helmet plugs in here.

The VOX-MC is available with Kenwood or Motorola plugs on the curly cable. This is plugged into the radio.



High Noise

Low Noise



Setting up the radio

Kenwood TK3201, TK3301, TK3401D and other Kenwood radios.

To activate Kenwood VOX power up the radio while holding the upper side button. The radio should announce VOX.

- Release the button. The radio will announce VOX Gain.
- Press either of the side buttons to adjust this to around level 9 or 10 which is the more sensitive setting. Press the Transmit button within five seconds to latch the setting to the radio memory.
- Power cycle the radio and it is ready to use.

Software settings.

The following settings can be adjusted only with software and we will do this for at or no charge other than the cost of return shipping.

Cancel Operation

If ticked pressing the radio transmit button will disable VOX until it is reactivated.

VOX Proceed Tone

The VOX proceed tone lets you know that VOX has been triggered with a beep in from the earpiece.

Transmit Inhibit while Receiving

Essential when using two-way communications.

VOX Delay time.

This is the time the radio continues to transmit after you cease speaking. Longer times may be useful if you tend to pause a lot while speaking.

Time Out Timer.

AKA Stuck PTT timeout. This is the maximum time the radio will transmit before it automatically ceases to transmit. This setting could be increased if you do very long transmits. The TOT pre-alert gives a warning beep a few seconds before transmission ceases.

VOX

☒ VOX Function

VOX Gain Level

5

VOX Delay Time [s]

1.0

☐ Cancel Operation
 ☒ VOX Proceed Tone
 ☒ Transmit Inhibit while Receiving

PTT Proceed Tone

☒ PTT Proceed Tone

Proceed Tone Delay Time [ms]

0

Time-out Timer (TOT) [s]

60

TOT Pre-alert [s]

5

TOT Rekey Time [s]

Off

TOT Reset Time [s]

Off

Squelch Level

5

Mic Sense

Normal

Voice Announcement

Zone-Channel

Using the Wildtalk Helmet Kit

This helmet kit has been designed by Wildtalk to provide a loud and clear helmet compatible headset to fit inside most helmets.

The directional noise-cancelling Boom Mic is designed to work well in both high and low noise. It is robust and weatherproof.

The speakers are loud and clear but easily fitted into helmet linings.

Fitting the kit.

The boom Mic is typically mounted on the left side so the attached speaker should be positioned close to your left ear but far enough forward to allow the Mic to be close to your mouth.

Take care that the Mic is the correct way round (see image). Gently remove the foam windshield. You will see two holes on opposite sides of the boom tip. The hole nearest the tip end should be close to your mouth.

The speakers can be directly velcro attached to many helmet linings, if not, the supplied self adhesive loop pads can be attached to smooth surfaces and the speakers attached to them.

Because the speakers are loud they are quite forgiving of their exact location in the helmet.

Use and Care

Keep the Mic foam clean and in good order. The foam helps reduce some wind noise. Store the cable inside the helmet when not in use to protect the cable.

If it is reported that your voice sounds muffled it will be that a small drop of water is blocking the Mic port. A quick blow or suck on the foam is usually enough to clear the blockage.



Forward facing Mic port

This hole should face away from your mouth and towards the noise.



Main Mic port

This hole should facing and as close to your mouth as possible.