



mobiWAN

Hints and Tips and Device Configurations

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Saxon House, 3rd Floor
48 Southwark Street
London, SE1 1UN

Introduction

These quick guides are to provide hints and tips when using the mobiWAN with different host devices and communication apps. For set-up and operation instructions please refer to the mobiWAN user manual included within the mobiWAN packaging box as well as available in PDF.

General

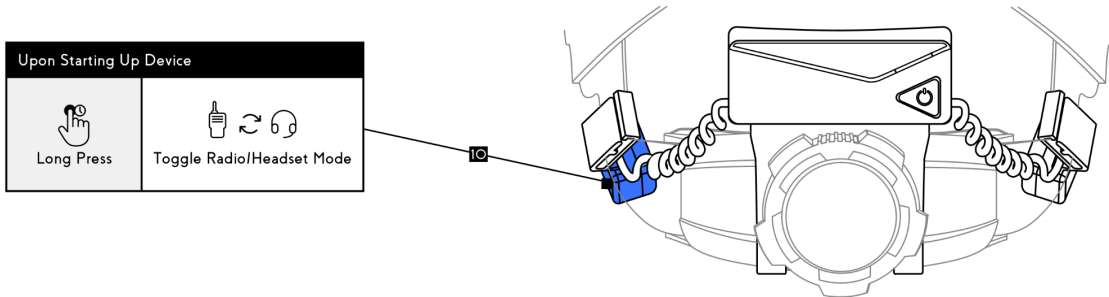
- mobiWAN uses bone conduction for audio output and microphone input.
- The transducer pads should fit comfortably at the back of the head. They **should not be over tightened**, nor too loose. Note the transducers should clip onto the helmet's harness and can be moved up and down to achieve an optimal comfort.
- mobiWAN is optimized for field communication in noisy environments. Using the bone conduction **microphone** may require users to **speak louder** than usual to create a good and clear signal on the mobiWAN. You do not need to shout but speaking too quietly or whispering will impact the performance. **Try to maintain a strong clear voice for best performance.**
- mobiWAN is compatible with users wearing earplugs and over the ear hearing defenders. **The use of hearing protection is recommended when in high noise areas.**
- At present mobiWAN is designed for use with **MSA V-Gard hard hat with Fas-Trac III ratchet system**. Only deploy mobiWANs combined with this hard hat type. The geometry of other helmets will not deliver an optimum experience.



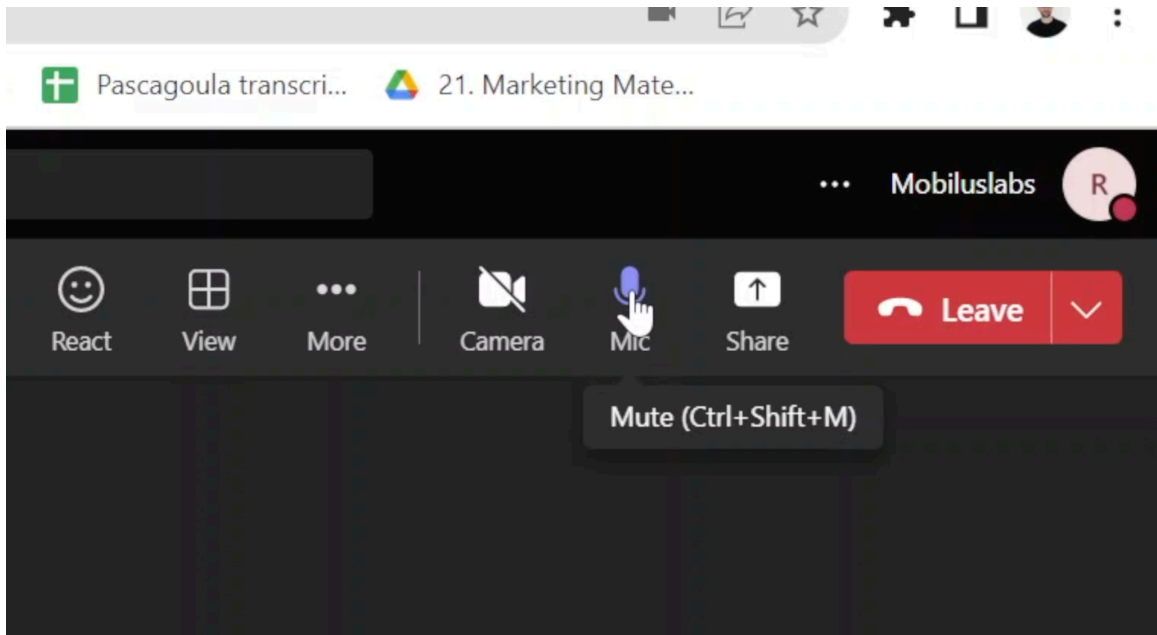
mobiWAN with MS Teams (Or conferencing app)

When using mobiWAN with MS Teams conference call:

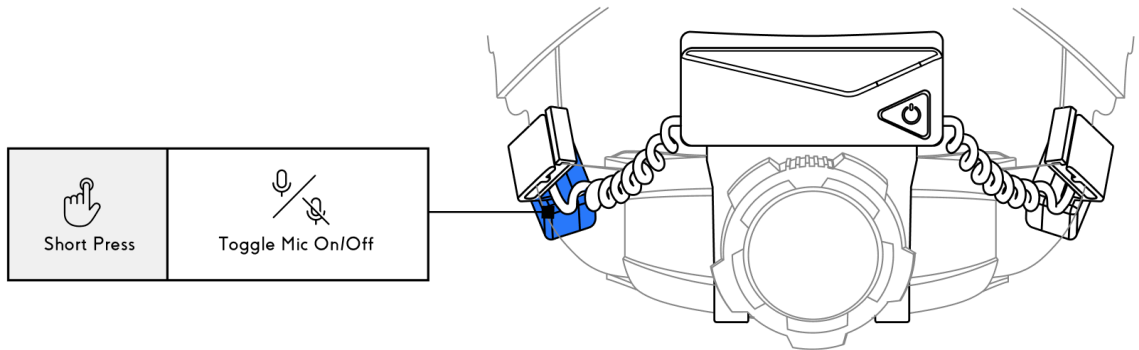
- Before pairing the mobiWAN with the host device ensure that it is in **Headset mode**



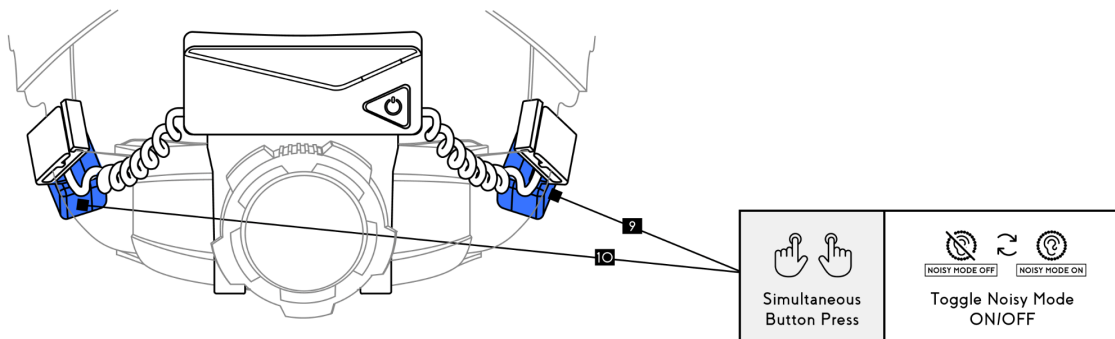
- Once paired and the conference call has been joined, unmute your microphone on the Teams call and leave it unmuted.



- You can then use the mobiWANs own mute / unmute button (**Left side button**) to control your microphone



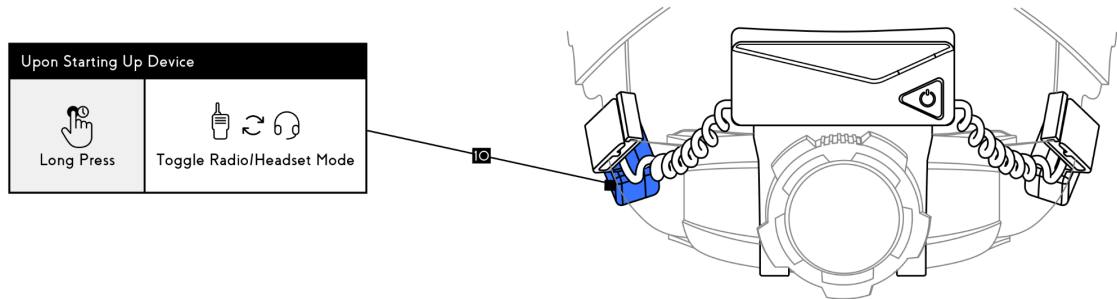
- When not talking it is best practice to mute your microphone
- All participants** on the call should **mute themselves when they are not talking**. Background noise on the call coming through from the microphone of participants on the call can cause the mobiWAN to be locked into speaker mode while this noise transmits. Good microphone etiquette from all users on the call is required for an optimum experience. All members of the call should therefore **mute themselves when not talking, especially if they have loud background noises in their environment**, either through the mobiWAN mute button, or by muting themselves on MS Teams
- When entering a high noise environment (+85db) ensure the mobiWAN is in '**Noisy Mode On**'. You may need to speak louder for a clear signal when in noisy mode, although this tends to happen naturally when in a high noise environment.



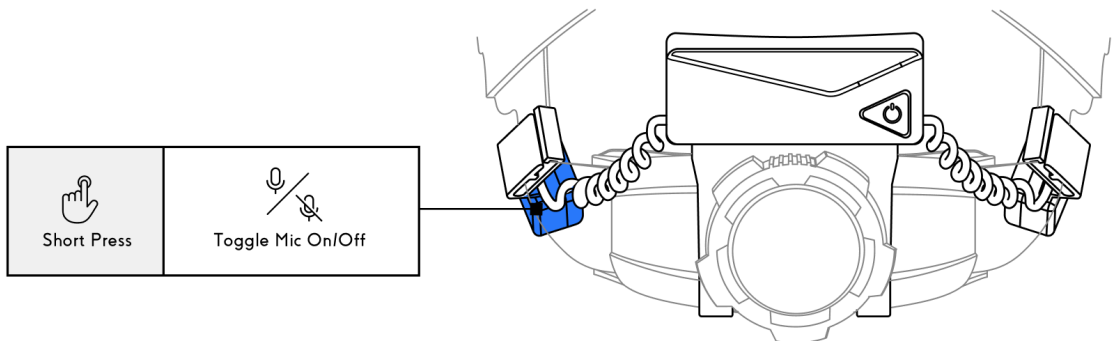
mobiWAN with PTT Device or App

When using mobiWAN with a Push-to-Talk (PTT) device such as a walkie talkie with Bluetooth, or a PTT app such as MS Teams Walkie Talkie, or ESChat, please use the following configuration:

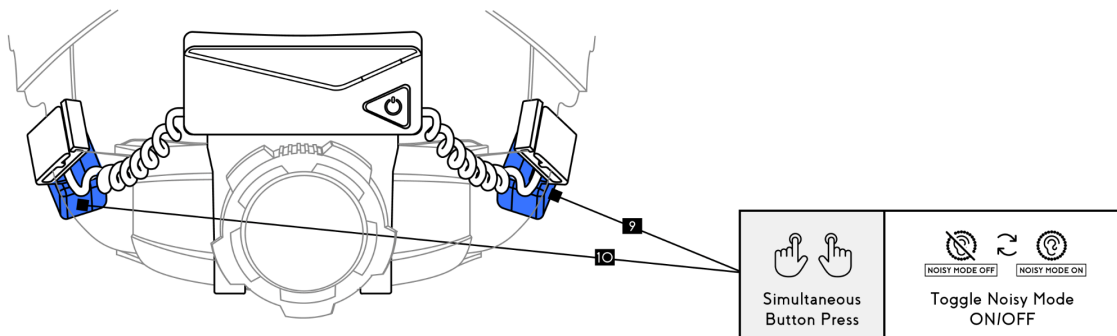
- Before pairing the mobiWAN with the host device ensure that it is in **RADIO mode** (Long press of the left side while in pairing mode, you will hear the device switch between radio and headset mode)



- Once paired, ensure the mobiWAN microphone is **'ON'** by pressing the left side button (you will hear the audio cue 'Mic on'). When with a PTT device and in Radio mode, this can be left on, with control of the comms coming from the PTT host device. Push to talk as normal.



- When entering a high noise environment (+85db) ensure the mobiWAN is in **'Noisy Mode On'**. You may need to speak louder for a clear signal when in noisy mode, this is natural when in a high noise environment.



Troubleshooting

Symptom	Possible Cause	Action(s)
Device is not turning on.	Low or Drained Battery	Recharge the device for 1-2 hours and confirm if this resolves the problem.
Device boots up but then immediately turns off and then on again.		
Others cannot hear me when I speak.	mobiWAN Mic is OFF	Single Tap the Left Button to toggle the Mic ON.
	Communication App is muted	Toggle the mute/unmute button on the communications app being used.
I cannot hear others when they are speaking to me	You are in a noisy environment and/or using a PTT app or device using "Headset Mode"	Disconnect the Bluetooth connection to the mobiWAN. Long Press the Left Button to toggle Headset/Radio Mode until you hear "Radio Mode". Reconnect via Bluetooth and toggle the Left Button to toggle the Mic ON/OFF.
	You are in a very noisy environment and using a Conference Call App (i.e. MS Teams)	Use the Left Button, to toggle on and off the microphone when speaking. When the mic is off, you will receive any incoming audio.
I cannot pair to a device	mobiWAN Bluetooth pairing needs to be reset	Turn the mobiWAN Off with a Long Press on the Power Button. Now turn the mobiWAN On with a Long Press (more than 5 seconds). The device will announce "Reset". Proceed with normal pairing steps.
The microphone is transmitting a lot of noise from my environment.	You are in a noisy environment with "Noisy Mode" Off	Turn Noisy Mode On by pressing both the Left Button and Right Button at the same time.
I want to know the battery status, Mic Status, and Noisy Mode Status of my device.	Uncertainty of which mode the device is in.	Double Tap the Right Button.
Device is not charging	USB-C charging cable is not compatible or faulty	Although very rare, some USB-C charging cables are not compatible with device charging. Use a different USB-C charging cable type.
Audio is distorted	High noise input	Reduce device volume to a lower level. Volume level 3 or 4 is optimum



Audio is too quiet	The speaker volume on mobiWAN is too low.	Use the Right Button to increase the speaker volume. Long-press the Right Button to return to the lowest volume setting.
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Support

Video Guides detailing set up of mobiWAN and use of mobiWAN in different configurations are also available in the following ways:

Video: mobiWAN Set Up and User Guide

Option 1: Scan the QR code inside the mobiWAN packaging with your smart device

Option 2: On the Mobilus Website [here](#)

If you have any questions or would like support with this process please contact your Mobilus rep or Robert Hamilton at robert@mobiluslabs.com

