

TECHNICAL SPECIFICATIONS

Document version:	2.10 - November 21, 2019
Valid for products:	Ave325,Avee335, Avee340 Software version 2.10
Connector headphone	
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Bose™ QC25™ & QC35™	2.5mm four pin audio
Sony™ WH-1000XM3™	3.5mm four pin audio
Connector AC interface cable	USB C
Bias voltage accepted	9-16VDC
Microphone type	Noise reduction
Microphone output signal	0.7 V RMS @ 1khz / 74dB SPL Adjustable in 6 steps 20-100% Maximum level is 1.5V RMS Minimum level is 0.2V RMS
Speaker audio level	Adjustable in 6 steps / 10-100%
Start-up mode speaker	Configurable Maximum volume on restart is default setting.
Mono/stereo detection	Mono, automatic or Stereo always Automatic is (default setting) Configurable with the Avee BlueLink and from the Avee add-on.
Stereo detection signal level	0.2V RMS Adjustable using the Avee BlueLink
Firmware	Upgradeable with the Avee BlueLink

FACTORY SETTINGS

Start-up mode speaker	Maximum volume on restart.
Microphone output signal	0.7V RMS (step 4)
Mono & stereo setting:	Automatic

DISCLAIMER

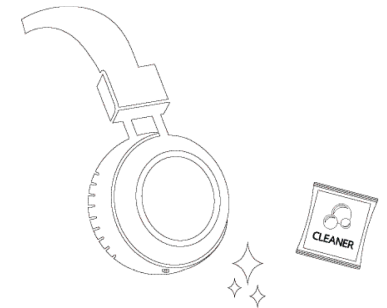
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The Avee Aviation Microphone add-on Setup Instructions & User Guide

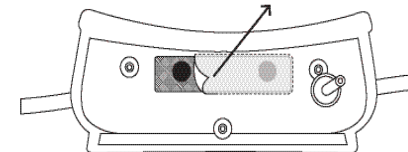
Follow the instructions in this user guide to install the Avee add-on to your headphones.

Step 1: Using the cleaning wipe supplied, clean the base of your headphones including the area surrounding the input jack. Ensure that you remove any residue that is adhered to the headphones. Let dry.



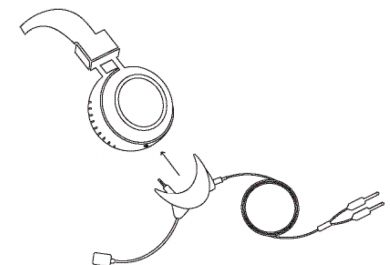
Step 2: Remove the adhesive strip protective backing from the add-on magnetic strip.

The magnetic adhesive strip has the adhesive side facing the headphone, and two magnets facing the Avee add-on.



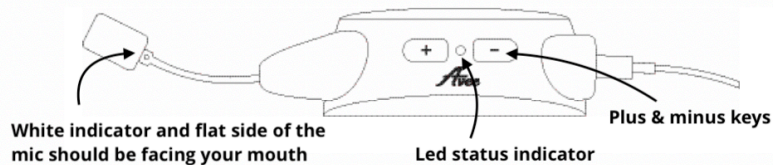
This feature enables the Avee to be easily detached & attached from the headphone.

Step 3: Guide the add-on to the base of the left headphone and firmly press it in place for minimum 30 seconds. Once attached, **carefully unplug it to reveal the adhesive magnetic tape applied to the headphones.** Press firmly on the tape to ensure all edges of the tape have adhered to the headphones.



General use & adjusting default settings

Follow the procedures described below to adjust your audio settings and default settings on the Avee microphone add on.



<p>Connect the Avee mic add-on to the aircraft</p>	<ul style="list-style-type: none"> • Switch on ANR feature on the headphone. • Plug the Avee mic add-on into the headset and connect the interface cable to the aircraft and to the Avee. • When the aircraft radio & intercom is switched on, the mic add-on will get bias power from the aircraft. This is indicated with 5 flashes on the Avee status led indicator. <p>If internal Bluetooth® is available in your headset, the Bluetooth connection will automatically disconnect when the add-on is connected to the headset.</p>
<p>Speaker volume setting</p>	<ul style="list-style-type: none"> • Press + or - to increase/decrease volume in headphones. <p>You will see 5 flashes in the add-on status led when you have reached max or min volume.</p> <p><i>Default volume</i> is MAX when the Avee is connected to the aircraft. This can however be changed.</p>
<p>Default volume setting</p>	<p>The default volume setting on the Avee may be changed from always maximum level after it is plugged into the aircraft, or to remember last setting. Follow this procedure to change:</p> <ul style="list-style-type: none"> • Press the '+' and '-' for 2 seconds. • Release the buttons when you see 5 flashes. <p>Short flashes: Volume is set to remember last setting when the Avee connected to the aircraft.</p> <p>Long flashes: Volume is set to maximum when the add-on s connected to the aircraft.</p>

<p>Microphone output level</p>	<p>Set the microphone output level according to the following:</p> <p>Ensure the white indicator located by the microphone input is facing towards your mouth. Place the microphone approx. 6mm from your mouth at all times.</p> <p>Speak into the microphone while adjusting the volume.</p> <ul style="list-style-type: none"> • Press & hold the '+' key for 3 seconds to enter mic volume level setting mode. • By repetitively pressing the '+' key, you set the volume from 1 (min) to (max). • The volume level is indicated by a number of led status blinks corresponding to the mic out level every second. • Press the '-' key to leave the mic volume setting. The add-on will automatically revert to normal operation after 40 seconds.
<p>Automatic mono & stereo mode</p>	<p>Aircraft stereo or mono availability is detected automatically by the Avee add-on <i>by default</i>. It can however be set (next chapter).</p> <p>This feature works like this:</p> <p>If no audio is detected in the aircraft right audio channel, the left channel is switched to both left and right speaker in the headset.</p> <p>If audio in the right aircraft channel is detected, the left aircraft channel is switched to the headset left speaker, while the right aircraft channel is switched to the right speaker.</p>
<p>Changing mono & stereo mode</p>	<p>The mono & stereo detection mode can be set according to the following procedure:</p> <p>Press & hold the '-' key for 3 seconds to enter stereo setting mode.</p> <ul style="list-style-type: none"> • By repetitively pressing the '-' key, you step from mono (1 status led flash) , auto (2 flashes) and 'always stereo' setting (3 flashes). <p>Press the '+' key to leave the mic volume setting. The add-on will automatically revert to normal operation after 40 seconds.</p>