



BlueVQL™ AudioKit Ver 2.1

User Manual

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1 About BlueVQL™ User Manual

1.1 Preliminary Remark

Voice-Insight thanks you for choosing their BlueVQL™ AudioKit product.

We have taken great care in designing and manufacturing this product; we hope you will use it for many years. Should, however, any problem occurs, please contact us immediately through your local distributor. We commit to do all the best possible in order to help you start again in the shortest possible timeframe.

Contractual warranties about Voice-Insight products are solely detailed in the contractual documentation about these products. No single information contained in the present document shall be claimed by the Customer as an additional warranty.

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1.3 CE Conformity

BlueVQL™ components are CE, IP 64 and RoHS certified

1.4 WARNING about Batteries

In order to reduce fire and scorching risks, you are not allowed to crunch, perforate, neither lit in fire nor drop BlueVQL AudioKit into water.

2 About Voice-Insight's AudioKit

Voice-Insight's BlueVQL™ AudioKit provides a low cost, low power, small form factor, short-range wireless audio solution. Headphone that is typically connected by cable can now be made completely wireless.





HeadPhone



AudioAdaptor

2.1 Features of BlueVQL™ AudioKit

- Bidirectional high quality audio (simultaneous)
- Supports 16 bits/sampling and 16/32 kHz sampling frequencies
- Class 2 AudioKit supports a range of up to 10 meters
- Class 2 AudioKit works continuously upto 6 hours
- Class 1 AudioKit supports a range of up to 30 meters

2.2 Package details of Class 2 AudioKit (AudioAdaptor with Plastic)

Class 2 AudioKit Box Contents	# Units
Headphone	1
AudioAdaptor in plastic box	1
USB Cables	2
User Manual	1

2.3 Package details of Class 2 AudioKit (AudioAdaptor with Molex Connector)

Class 2 AudioKit Box Contents	# Units
Headphone	1
AudioAdaptor PCBA with Molex Connector	1
USB Cable	1
User Manual	1
Cushion for Speaker	1
Cushion for Mic	1

2.4 Package details of Class 1 AudioKit

Class 1 AudioKit Box Contents	# Units
AudioAdaptor (with male connector)	1
AudioAdaptor (with female connector)	1
USB Cables	2
User Manual	1



3 Using the BlueVQL™ AudioKit

3.1 Step 1: Recharge the Battery

- Connect USB cable from PC/Laptop USB port or a powered USB Hub to Headphone (Refer Figure)
- Connect USB cable from PC/Laptop USB port or a powered USB Hub to AudioAdaptor (Refer Figure)
- Red LED glows continuously when the battery is getting recharged
- Green LED glows continuously when the battery is fully charged (even if the unit is connected to power supply)
- Typical battery recharge time is about 4 Hrs
- Batteries can be recharged while using the system

NOTE:

1. To recharge the units while in use, the units must be switched ON before connecting the power source

3.2 Step 2: Pair the AudioKit (Headphone and AudioAdaptor)

- Ensure the AudioAdaptor and Headphone units are switched-off (both Green and Blue LEDs are OFF)
- Ensure the units are not connected to the power source for recharging
- If the units are in use (LEDs are either lit or blinking), press power button for 6 seconds until the Green LED blinks 3 times and the units are put OFF
- Long press the power button on both devices for 6 seconds until the Green and Blue LED's start to blink alternatively; this shows the unit is trying to synchronize with the other unit
- When the two devices are synchronized, alternate blinking of Green and Blue LEDs stops and the Blue LED blinks every 2 seconds

NOTE:

1. Pairing is required to be done only once, when the units are configured for use
2. Do not release the power button when the LED glows after 3 secs; Keep the button pressed for 6 seconds so that the units go to pairing state
3. After the first time pairing, the units get connected automatically when powered ON
4. Pairing and connection between the 2 devices (Headphone and AudioAdaptor) shall solely occur when none of the devices are connected to a power supply

3.3 Step 3: Using the AudioKit

- Power ON the BlueVQL™ units (Headphone and AudioAdaptor) by pressing the power switch for 3 seconds, release the button with the Green LED glows
- After a short while, the Blue LED blinks every 2 seconds, indicating the two devices are connected and ready for use
- Connect the Audio Line-In (mic symbol) cable of the AudioAdaptor to the Audio Line-in jack (mic symbol) of the PC/Laptop
- Connect the Audio Line-Out (speaker symbol) cable of the AudioAdaptor to the Audio Line-out jack (speaker symbol) of the PC/Laptop
- Voice-insight® voice recognition application can be now run on the PC/Laptop and the voice commands can be issued through the Headphone and the voice responses can be heard on the Headphone

NOTE:

1. The AudioKit cannot be used until pairing has occurred (See Step 2)
2. Pairing and connection between the 2 modules shall solely occur when none of the devices are connected to a power supply, to avoid them to switch to configuration mode

3.4 Step 4: Using Volume Keys

- Press the “+” button on the Headphone to increase the volume
- Press the “-” button on the Headphone to decrease the volume
- Single press on the volume button will increase/Decrease in steps
- Continuous press on the volume keys will Increase / Decrease the volume continuously, till the max/min volume level is reached
- TROUBLESHOOTING: To hard-reset the units, press and release the reset button, piercing a pin, through the reset hole

3.5 Step 5: Switching OFF The devices

- Press power button for 6 seconds until the Green LED blinks 3 times and the units are put OFF



4 Button / LED's

4.1 LED indications on the BlueVQL™ Headphone

Steps	Mode	Action	LED Indication	Notes
1	Power ON and Connecting mode	Press the Power button for 3 seconds	Green LED glows	If the units are already paired, release the power switch immediately after powering on. The devices get automatically connected in 3 seconds
3	Pairing Mode	Press Power button for 6 seconds from OFF position	Blue and Green LEDs blink alternately, with a delay of 1 second	The units have to be powered OFF before putting into pairing mode. Green LED comes up after 3 seconds, but DO NOT release the power button; Hold the power button for 6 seconds till the Blue and Green LEDs blink alternately
4	Connected Mode	-	Green LED powers OFF and Blue LED blinks every second	
5	Shutdown	Press Power button for 6 seconds	Green LED blinks 3 times with delay of 1 second	
6	Battery Charging	Connect power to the unit through USB cable	Red LED glows	
7	Charge complete	-	Green LED glows	

4.2 LED indication on the BlueVQL™ AudioAdaptor

Steps	Mode	Action	LED Indication	Notes
1	Power ON and Connecting mode	Press the Power button for 3 seconds	Green LED glows	If the units are already paired, release the power switch immediately after powering on. The devices get automatically connected in 3 seconds
3	Pairing Mode	Press Power button for 6 seconds from OFF position	Blue and Green LEDs blink alternately, with a delay of 1 second	The units have to be powered OFF before putting into pairing mode. Green LED comes up after 3 seconds, but DO NOT release the power button; Hold the power button for 6 seconds till the Blue and Green LEDs blink alternately
4	Connected Mode	-	Green LED powers OFF and Blue LED blinks every second	
5	Shutdown	Press Power button for 6 seconds	Green LED blinks 3 times with delay of 1 second	
6	Battery Charging	Connect power to the unit through USB cable	Red LED glows	
7	Charge complete	-	Green LED glows	

5 Troubleshooting

- To hard reset the units, pierce a pin through the *Reset* hole of the unit
- Power ON the unit after a reset and the unit is ready for use (the pairing information is not erased after a reset)
- Pairing and connection between the 2 modules shall solely occur when none of the devices are connected to a power supply, to avoid them to switch to configuration mode
- If the device is not in use for a longer time, recharge the unit and re-pair the units before using

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