

## 1. Introduction

VBH-100 Bluetooth headset will lead you to the mobility and allows you freedom to make and receive calls while on the move or in the office. The main function of VBH-100 is as follows;

- Wireless Hands-free

Read this user manual carefully before using the Headset.

### **Bluetooth Wireless Technology**

VBH-100 is specially designed for any compatible Bluetooth devices that support the following profiles. (Profile is a set of Bluetooth commands that the devices use to control the headset.)

- Hands-free profile
- Headset profile

The Bluetooth technology makes it possible to connect compatible communication devices without using cables. The Bluetooth connection does not require that the phone and the headset are in line of sight, but both devices should be 10 meters of each other, although the connection can be subject to interference from obstructions such as walls or other electronic devices.

VBH-100 is compliant with and adopts the Bluetooth Specification 1.2. For more information on the compatibility between with other Bluetooth-enabled products, please check with your dealer.

### **(Limited Liability)**

Neither the Manufacturer, importers nor dealers is responsible for any accidental damage including bodily injury or any damage resulting from misuse or unsuitable operation by you. The information on this manual is prepared with the current headset specifications. The manufacturer is adding new features to the product and may persistently apply new technologies hereafter. All standards may be changed at any time without notice.

## 2. Guidelines for your safety

Before use, read the warnings and other information in this user manual.

Please check for any information on RF exposure in usage of Bluetooth headset.

When your headset is turned on, it transmits and receives radio frequency electromagnetic fields in the frequency range 2.402 ~ 2.480 GHz. Your headset is designed to operate in compliance with the RF exposure guidelines and limits that are set by national authorities and international health agencies when used with any compatible devices.

### **[Headset]**

- Do not touch your headset and power plug with damp hands.
- Do not kink or crease the power cable or place heavy objects on the power cable.
- Firmly plug the adapter into the wall socket.
- Unplug the adaptor during electrical storms.
- Do not overload a single power circuit.
- Use only the supplied adaptor.
- Unplug adapter when it's not in use.
- Immediately power off the headset and unplug the adapter if water or other liquids are present.
- Immediately power off the headset and unplug the AC adapter if smoke or odors emits from the headset or adaptor.

  

- Keep the headset dry. Humidity and all types of liquids or moisture can cause harmful interface with electronic circuits.
- Do not place heavy object on the device.
- Store the headset at room temperature. Unstable temperature can cause serious damages, such as shortening the life of electronic devices, damaging batteries and other particular plastic substances.
- Do not use harsh chemicals, cleaning solvents, water or strong detergents to clean the headset. To clean external surfaces, use a clean dampened cloth.
- Do not use excessive force on the buttons or attempt to disassemble the device.
- Do not drop or subject the device to impact.
- Do not paint the headset. Paint can clog the moving parts and prevent proper operation.
- Keep the headset away from strong magnets.
- Do not disassemble or modify.
- Do not dry the headset with heater or microwave.

  

- Keep all accessories out of the reach of small children.
- Reduce volume or stop using the headset if your experience a ringing in your ears.

### **[Battery]**

Your headset is equipped with a high-performance Lithium Polymer battery. Observe the maintenance guidelines and your battery should give you a long service life.

- Use batteries and chargers only provided and approved by VK.
- The batteries are consumables and will eventually wear out.
- Avoid charging in strong heat or extreme cold. Ambient room temperature is preferable. The battery has its optimum performance at an ambient temperature (+5 °C to +50°C).
- Never replace the battery by a non-approved battery.
- Never try to open the battery as it contains substances that might be harmful if swallowed or allowed to come into contact with unprotected skin.

# Before Using the headset

## 1. What's in the box?

- VBH-100
- Ear-loop
- User Manual
- Charger

■ Accessories are subject to change without notice and may vary from image shown.

## 2. Features at a glance

### FRONT

- Volume-up button
- Volume-down button
- Power/Talk button
- Charger connector
- Indicator light
- Microphone

### BACK

- Ear-loop
- Speaker

## 3. Putting on the headset

- This is designed to be used for both ears.

## 4. Fixing an ear-loop

- Hold the ear-loop and pull to the direction of arrow to detach it from the body.
- Overturn the detached ear-loop as image.
- Fix the overturned ear-loop to the direction of arrow.

## 5. Charging

Before using the headset for the first time, make sure the headset is fully charged. The indicator light will turn to blue when the battery is fully charged.

- Plug in the charger to the headset.
- When the battery is fully charged, the indicator light is turned to Blue.
- It takes about 2 hours to recharge the battery fully.

### Low battery indication

- The headset will generate repeated 3 times warning beeps every 10 seconds.
- The indicator blinks three times in red.
- As soon as you detect the low battery you should charge the headset.
- When you hear the beep during a call, it's better to transfer the call to your mobile phone as soon as you can.

# Pairing/Connecting the headset

## 1. Turning the headset ON/OFF

### To turn the headset on:

- Press and hold the Power/Talk (그림)button for 5 seconds.
- The indicator goes on in blue and you will hear a *do-re-mi* tone.
- The headset is now turned on.

#### [Note]

##### [PARING MODE]

When the headset is turned on for the first time, it will automatically be ready for paring: When this happens, the blue light is on.

##### [CONNECTABLE MODE]

Once your headset has a history of paring with your phone, and the headset is turned on, the indicator will flash blue every 3 seconds.

### To turn the headset off:

- Press and hold the Power/Talk (그림)button for 5 seconds.
- You will hear a *mi-re-do* tone after a **key detect tone** and the indicator blink in red for 1 second.
- The headset is now turned off.

#### [Note]

If you release the button immediately after the **key detect tone**, headset acts different operations such as answer the 2<sup>nd</sup> call, reject call or voice dialing. To turn the headset off, be sure to hear *mi-re-do* tone or check the red LED blink.

## 2. Paring the headset with a phone

### When you use the headset for the first time

You will need to pair the headset with the phone that you intend to use it with.

- If the headset is turned on for the first time, it will automatically be ready for pairing. In this case, the headset indicator's blue light is on.
- Prepare your phone according to the phone's user manual on pairing.
- Continue following the instructions in the phone's user manual.
- You can search headset by the name of 'VBH-100'.
- The default passkey of the headset is **[0000]**.
- When pairing has been completed, the headset indicator light flashes blue every 3 seconds.

[Note] With some phone models, the headset is connected automatically after pairing with the headset. After the headset connected to the

phone, the indicator light flashes blue every 5 seconds. It's dependent on phone models.

**[Note]** It's better to try to pair your headset with the phone close-by.

**[Note]** Once you have paired your headset with the phone, you don't need to pair it again until you want to use it with another phone.

**[Note]** In a pairable mode, if the headset is not paired with a mobile phone for 3 minutes, the headset will be turned off automatically.

### **When you want to use it with another phone**

When you want to use your headset with another phone that isn't the phone that you paired your headset with, you need to pair it again.

- Press and hold either the Volume-up (그림) button or Volume-down button and Power/Talk (그림) button together for 2 seconds. Then, the headset's blue light is on and your headset is now ready for pairing.
- Prepare your phone according to the phone's user manual on pairing.
- Continue according to the instructions in the phone's user manual.
- The default passkey of the headset is **[0000]**.
- When pairing has been completed, the headset indicator light flashes blue every 3 seconds.

### **Automatic re-connection**

If you set your headset as an automatic re-connection mode, your headset will be re-connected automatically within 10 m with your mobile phone after disconnected with your phone.

- To set the automatic re-connection mode, turn the headset on by pressing and holding the Volume-up (그림) button and Power/Talk button (그림) together for 5 seconds.
- To cancel the automatic re-connection mode, turn the headset on by pressing and holding the Volume-down (그림) button and Power/Talk button (그림) together for 5 seconds.
- If you do just power on, headset acts as previous saved mode.
- Default factory setting for automatic re-connection mode is disabled.

# Using the headset

## Answering calls

- When a call is received you will hear the ringing through the headset and the indicator flashes blue.
- Press the Power/Talk (그립) button to accept the call.
- To end the call, press the Power/Talk(그립) button.

## Rejecting calls

- To reject calls, press and hold the Power/Talk (그립) button for 2 seconds and release button after a short beep tone.
- For this function to work, your mobile phone needs to support the reject function.

**[Note]** The reject function is possible when the Headset is connected to a mobile phone based on a Hands-free Profile, not a Headset Profile.

## Answer the 2<sup>nd</sup> call

- While on line, if there's a 2<sup>nd</sup> call, you can hear a beep.
- Press and hold the Power/Talk (그립) button for 2 seconds to answer the call.
- You can answer the 1<sup>st</sup> call – held call – by pressing and holding Power/Talk (그립) button for 2 seconds again.

## Making calls using your mobile phone

### [using your mobile phone]

Make sure that your headset is connected to your mobile phone by checking your headset indicator flashes blue every 5 seconds.

- Using the phone's keypad, dial the required number.
- Send the call from the phone (Phone initiates the call.)
- The call will automatically transfer to the headset. But for some phones, you must press and hold Volume-up or Volume-down (그립) button for 3 seconds to make the call transfer to the headset. Please refer to your phone's user guide
- To end the call, press Power/Talk (그립) button.

### [using the re-dial function for the last call]

- With your headset, you can re-dial the last call dialed or received.
- Press Power/Talk (그립) button.
- After you hear the short beep, you will hear the dialing tones from speaker.
- To end the call, press Power/Talk (그립) button.

### **[using voice dialing]**

- To make calls using voice dialing by your headset, your mobile phone needs to support voice dialing and the feature must be activated.
- Press and hold Power/Talk (그림) button for 2 seconds and you can hear a short beep from a mobile phone. Voice dial as you normally would.
- To end the call, press the Power/Talk (그림) button.

**[Note]** It is dependent on a mobile phone's function and is possible when a mobile phone supports a Hands-free profile.

### **Transferring calls**

Call Transfer	Headset Profile	Hands-free Profile
To a Headset	Press the Power/Talk (그림) button	Press the Power/Talk (그림) button OR Press and hold the Volume-up or Volume-down (그림) button for 2 seconds.
To a Mobile Phone	Depends on a mobile phone's function and cannot be operated by a headset	Press and hold the Volume-up or Volume-down (그림) button for 2 seconds.

### **Adjusting the volume**

You can adjust the headset speaker volume during a phone call, using Volume-up button or Volume-down (그림) button. The headset has the middle volume level as its default.

- To increase the volume, press the Volume-up (그림) button. You will hear a high beep when you have reached the highest volume level.
- To down the volume, press the Volume-down (그림) button. You will hear a low beep when you have reached the lowest volume level.

### **Muting the Microphone**

During a phone conversation, you can mute the microphone of your headset.

- During a call, press and hold the Volume-up (그림) button and Volume-down (그림) button together for 2 seconds.
- You can hear a low tone every 3 seconds while the microphone is turned off.
- To resume your call, press either the Volume-up button or the Volume-down (그림) button.

# Audio & Visual Indicators

## Indicator Light Chart

State of Headset	State of Indicator light
In process of Power Off	Red blink for 1 second
Power Off	Off
In process of Power On	Blue blink for 1 second
Pairing Mode	Blue on
Connectable Mode	Flashes Blue every 3 seconds
Connected Mode	Flashes Blue every 5 seconds
Incoming call	Flashes Blue rapidly
On the line	Off
Charging in process	Blue is off, Red is on
Charging complete	Blue is on , Red is off
Low battery warning	Flashes Red three times every 10 seconds

## Beep Tone Chart

State of Headset	Beep Tone
In process of Power Off	Mi-Re-Do tone
In process of Power On	Do-Re-Mi tone
Success Mode Change	Single low tone
Starting Talk mode	Single low tone
Incoming Call	Ring tone
Low Battery Warning	Three rapid high tones repeated every 10 seconds
Volume Upper Limit	Single high tone when upper limit achieved
Volume Lower Limit	Single low tone when lower limit achieved

# Specification & Certifications

## 1. Brief Specification

Bluetooth Compliance	Bluetooth 1.2 with Headset Profile & Hands-free Profile
Frequency Range	2.402 ~ 2.480 GHz
Transmission output power	0.25 ~ 2.5mW
Maximum Cordless Distance	30 feet (10 meters)
Dimension of Headset	58mm * 21.7mm * 11.8mm
Weight of Headset	12.3g
Operating Temperature	-20 ~ 50 °C
Relative Humidity	0 ~ 95%
Typical Standby time	165 hours
Typical Talk time	7.5 hours
Typical Recharging time	approx. 2.5 hours
Battery Type	Rechargeable Lithium Polymer
Charger Rated input	AC 100~240V, 50/60Hz
Charger Rated output	DC 5.2V, 600mA

- Talk time and Standby time are dependent on phone models.

## 2. Certifications

**CE1177**

This product is CE marked according to the provisions of the R&TTE Directive 1995/05/EC. This product is in compliance with the essential requirements and other relevant provisions of Directive 1995/05/EC. For more information please consult <http://www.vkcorp.co.kr>

**B**

BLUETOOTH is a trademark owned by the Bluetooth SIG, Inc.

**WEEE Mark**

This product is WEEE marked according to the provisions of the Directive 2002/96/EC. Dispose of the product according to local standards and regulations.

## Thank You.

To receive sales literature and technical assistance, please contact VK Corporation.  
Contact:

**VK Corporation**

Visit our Web site at [www.vkcorp.co.kr](http://www.vkcorp.co.kr)

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# Regulatory Information

## FCC compliance Information

This device complies with part 15 of FCC Rules.

Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received.

Including interference that may cause undesired operation.

## Information to User

This equipment has been tested and found to comply with the limits for a Class B digital device, Pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio Frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**FCC WARNING:** This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

## User Information of CE compliance

Hereby, VK Corporation declares that this is Bluetooth Headset (VBH-100) in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.