ELECOM

Supports Bluetooth 2.1 + EDR

Bluetooth Headset for Voice Chat

LBT-PCVM01Series	User's Manual V01

Thank you for purchasing this quality ELECOM product. This user's manual describes how to use this Bluetooth headset and precautions for using the headset safely. Ensure that you have read this manual before using the product. After reading this manual, store it somewhere safe for future reference.

Product features

This product is a Bluetooth headset optimised for voice chat over Skype, Windows Live Messenger, and other applications. This headset makes it possible to voice chat without bothersome cables over a wireless connection with Bluetooth.

This product supports Bluetooth 2.1, so it can be safely and easily paired with devices that meet the same standard.reading this manual, store it somewhere safe for future reference.

- Makes comfortable voice chatting with clear audio possible from the 28-mm diameter large headphone unit and the microphone that extends to your mouth.
- Equipped with a large capacity lithium polymer battery, achieves approximately 11 hours of continuous talk time with a single charge (2 hours) and over 150 hours of standby time.
- Can be used together with a Bluetooth-compatible mobile phone.

Necessary information when connecting:

■ Product device name when detected in a search from a mobile device or a PC:	**LBT-VM01**
■ Link Key:	**0000 (Four zeros)**

* Link Key entry is required when connecting to devices using Bluetooth 2.0 or earlier.

Package Contents

The package for this product contains the following items.
Please confirm the package contents before using this product.

☐ Headset	1 unit
☐ USB charging cable	1
☐ User's Manual	This document

⚠ Important Notice
The included USB charging cable is meant for use with this product ONLY. Do not use this cable for any purpose other than charging this product. Even if the connector shape is the same, the pin assignment (wiring) may be different, which is a cause of malfunction. Similarly, do not use the charging cable included with another product to charge this product.

Part Names

■ Overall headset
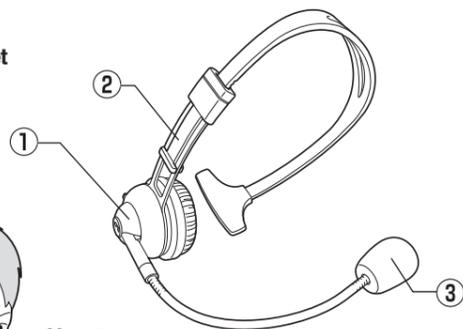
How to wear
Wear the headset by placing it over your head so that the headphone unit touches your ear.
Then adjust the position of the microphone.

### ■ Unit section

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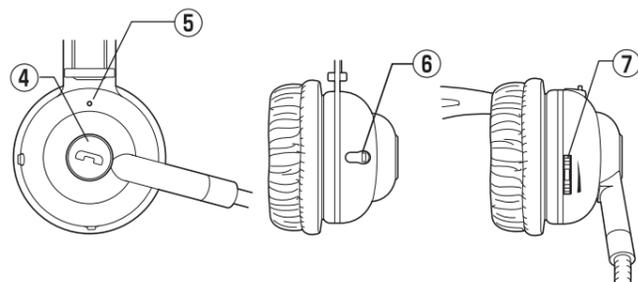
STEP 1 Charging

Charge the headset by connecting it to the USB port on a PC with the included USB charging cable.
When the amount of remaining battery power drops, the LED flashes red and a warning sound is emitted every 20 seconds.

⚠ It takes about 2 hours to fully charge this product.
If the LED lamp has not turned off after 2 hours, disconnect the charging cable and stop charging. Charging for more than 2 hours can shorten the battery life and may lead to device failure.
This product cannot be used while charging.

[Charging connection]

PC	Series A connector	USB charging cable
		Charging connector

Charge by connecting to the USB port on a PC.

Main unit

On while charging.
The LED lamp turns off when charging is complete.
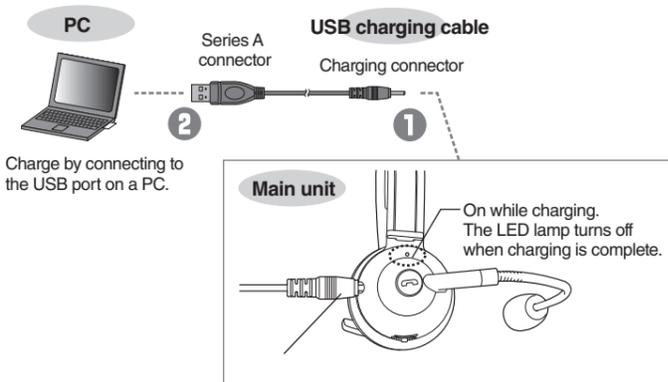
1 Connect the charging connector for the included USB charging cable to the charging connector on the product.

2 Connect the series A connector of the USB charging cable to the USB ports of your PC, etc.

3 The LED lamp turns red and charging begins. The LED lamp turns off when charging is complete.

STEP 2 Pairing (Registering with the device)

When using the product with a PC, the product must be paired (task to first register the device) with the PC that is used. The procedure for pairing using the ELECOM LBT-UAN03 USB adapter is explained here.
For operations on the device that will be used, read the user's manual for that device.
* Screen appearance may change, but the procedure is the same.

Part Names Table

① Headphone unit	The part that is worn on the ear. According to the application, wear it on whichever ear makes it easier to use. When wearing, adjust the position so the unit touches the centre of your ear.
② Headband	The length can be adjusted.
③ Microphone	The microphone for talking. It can be rotated approx. 300-degrees to adjust its position. It can also be worn on the left ear.
④ Multi-function button	This button turns the power ON/OFF, as well as performs the functions listed below:
Power ON	Press and hold (approx. 5 seconds) until the LED lamp turns blue to turn on the power and attempt to connect to the device that was previously connected. The LED lamp will flash slowly (once every few seconds for one second) when the connection is complete. If no device was previously connected, it waits for a connection from another paired device. The power turns off after about 10 minutes if there is no connection operation from a device.
Pairing mode	In the power off state, press and hold (approx. 8 seconds or more) until the LED lamp alternately flashes red and blue, then release.
Power OFF	When the power is on, press and hold (approx. 4 seconds or more) until the LED lamp flashes red to turn the power off.
⑤ LED lamp	The LED lamp that indicates the power and pairing state. For the LED indications and product states, read the description for the multi-function button.
⑥ Charging connector	Insert the included USB charging cable when charging the headset. The connector is protected with a cover.
⑦ Volume switch	Move the switch left and right to adjust the volume.

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1 Press and hold the multi-function button while the product is in the power off state. When the LED lamp alternately flashes red and blue (8 seconds or more), release the button.

For the 8 seconds while the button is pressed, the LED indicator changes as shown next.

Blue (power on)	→	**Flashing red and blue** (pairing mode)

2 Click the Bluetooth icon on the taskbar of the PC.

3 Select [Add a Device].
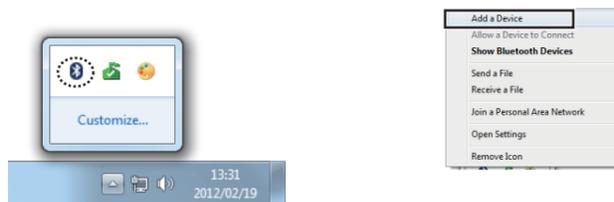
4 Select the [LBT-VM01] icon and click [Next].

5 Click [Close].
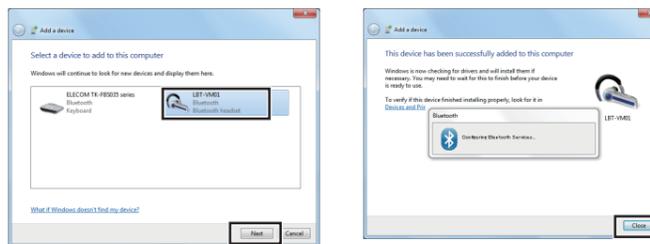
6 If the connection is successfully completed, the window on the right is displayed.

This completes the pairing.

You can cancel the connection by clicking [Disconnect].
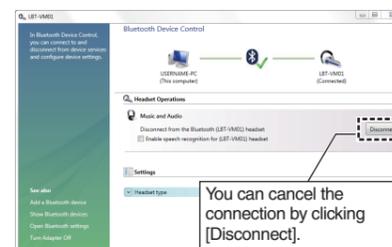
Voice Chat

The operating methods will differ according to the software used.
For details, read the manual for the software used or for the operating system.

⚠
- You may be required to switch (select) the speaker/microphone depending on the voice chat software used.
- Perform talk/end operations on the PC.

STEP 3 Basic Operation

Power ON/OFF

■ Power ON
Press and hold the multi-function button until the LED lamp flashes (approx. 5 seconds). The product attempts to connect with the previously connected device. To change the device to connect to, turn off the device that was previously used or disable its Bluetooth function until the connection is complete with the device you want to use.

You may need to approve or authenticate the headset connection (device name LBT-VM01) or perform a connection procedure from the mobile device.

■ Power OFF
Press and hold the multi-function button of this product for 4 seconds or more. The LED lamp blinks blue and turns off, indicating the power is now OFF.

⚠
If you release the multi-function button before the power is turned off, the redial function may operate and make a call, depending on the mobile phone.

About the auto power-off function
If there is no signal from a connected device such as when turning a mobile phone off, or no paired devices are detected within approx. 10 minutes after turning this product on, this product will automatically turn off.
* While the power is on, the LED lamp slowly flashes blue.

Talking on a mobile phone

This product can be combined with a mobile phone and used as a headset.

⚠
- The features described below can only be used when paired with the headset profile (HSP) and the hands-free profile (HFP).
- The behaviour of the mobile phone for the headset operations explained below may differ depending on the specifications of the mobile phone.

■ Pairing with a mobile phone
After switching the product to pairing mode, search for the product on the mobile phone. The device name "LBT-VM01" will appear on the search screen, so select it and register it.

To use this product with a mobile phone, we recommend you pair the product with the hands-free profile (HFP) so the mobile phone's functions can be used on the product. When there is no hands-free profile, pair the product with the headset profile (HSP).

■ Receiving a call
Press the multi-function button when you hear the incoming call sound from the headphone.

Depending on the mobile phone, you may not be able to configure a ring tone for the Bluetooth headset. This is related to its specification.

■ Hanging up the call
While a call is connected, press the multi-function button once to hang up the call.

■ Calling
After placing a call on the mobile phone, switch to the product.
[Basic operation]
For iPhone4 After the call, change the sound output setting to LBT-VM01 (the device name for this product).
For Android After the call, press the Menu button and press the Bluetooth button.

■ Redialling (Most recent number)
When paired with the HFP (hands-free profile), press the multi-function button twice and the phone can redial the last called number.

You cannot call back the party that previously called you such as a missed call.

Basic Specifications

Article No.	LBT-PCVM01 Series (Device name: LBT-VM01)
Carrier Signal	2.402 - 2.480 GHz
Bluetooth Specifications	Bluetooth Ver.2.1+EDR
Frequency diffusion method	FHSS (Frequency Hopping Spread Spectrum)
Transmit range	Class 2 Max. radius 10 m (if unobstructed) *1
Supported Profiles	HSP (Headset Profile), HFP (Heads-free Profile)
Number of simultaneous devices	Calling device x 1
Max. no. of pairing devices	8
Continuous standby time	Approx. 150 hours *2
Conversation time	Approx. 11 hours *2
Environment conditions	When operating	Temperature	5 - 35℃
		Relative humidity	20 - 80% (no condensation)
	When storing	Temperature	-5 - +50℃
		Relative humidity	20 - 80 % (no condensation)
Input voltage	5 VDC (charged from USB power)
Battery type	Lithium polymer battery
External dimensions (W x H x D)	109 x 168 x 51 mm (Excl. protrusions)
Weight	Approx. 47 g

*1 Theoretical value. Transmit range is also affected by the Bluetooth capability of the target device and the conditions of the surrounding environment.
*2 When there is a long distance between this unit and Bluetooth device, the power consumption for each will increase resulting in shorter available time.

⚠
- Due to interference, it may sometimes not be possible to use in combination with a 2.4 GHz band wireless LAN (IEEE802.11g/b/n).
- It is not guaranteed that all Bluetooth devices will work with this product.

■For proper and safe use

In order to use this product properly and safely, the following important precautions must be observed.

⚠ **Warning** — If the items listed here are ignored, there is risk of death or injury for the operator, or there is risk of property damage.

● **Do not operate while driving an automobile.**
Do not use the headset while driving an automobile. Stop using the product while walking, on train platforms, at intersections, and at construction sites, and carefully check your surroundings.

● **If an abnormality is found:**
When the product emits a strange smell or smoke, stop using it immediately and turn it off. If charging, unplug it from the PC or USB power. After doing this, stop using this product and contact the retailer.

● **Do not leave under high temperatures.**
This product is a precision electronic device. Avoid using or storing this product in high temperature or humid areas, or in areas that are exposed to direct sunlight for long periods of time. Also, when there are sudden changes in the ambient temperature, malfunction may occur as a result of internal condensation.

● **Never leave this product inside a car.**
If this product is left for a long period of time inside a car under high temperatures, there is considerable risk that this will result in rupture of the internal battery, fire, or breakdown.

● **Do not use a charging device other than the included charging device.**
This product uses a lithium polymer battery for its internal power supply. There is a risk of fire if this battery is mishandled. Only use the included USB charging cable to charge the product. If you use a different cable, there is a risk of fire or malfunction. Under no circumstances use a different cable.

● **When finished charging, always unplug the charging cable. If the product is not finished charging even when the specified charging time has ended, stop charging the product and unplug the charging cable.**
If the product is charged for a length of time that exceeds the specified charging time, there is a risk of the internal battery generating heat, catching fire, or bursting. This may also affect the lifespan of the battery.

● **Exercise caution when setting the ringtone volume.**
When using this product after pairing it with a mobile phone, the sound of the ringtone may surprise you and cause an accident, affecting your heart.

● **Do not disassemble.**
Not including operations that are performed in accordance with the directions of this document, do not repair, modify, or disassemble this product yourself. Doing so may cause electric shock, fire, or burns.

● **Do not damage the cord used for connection.**
Doing so may cause fire or disconnection.

● **Do not use the product in hospitals or in aircraft.**
Under no circumstances use this product in locations where the highest levels of safety are demanded. This product may cause malfunctions in specialised medical facilities and aircraft instruments.

⚠ **Caution** — If the items listed here are ignored, it may cause injury or property damage.

● **When using this product outdoors, pay full attention of the safety of your surroundings.**

● **Do not use or leave in areas that contain a large amount of moisture.**
If liquid enters the inside of this product, it may cause breakdown, fire, or electric shock.

● **Do not leave in areas that are reachable by small children.**
This may lead to an unexpected incident where this product is accidentally ingested.

● **As the main unit is a precision electronic device, avoid using or storing it in areas where impact or vibration will occur, in areas where strong magnetism is produced, or in areas where static electricity is produced.**

● **Do not use this product if it creates radio wave interference with in-car devices.**
Depending on the model of car that is used, radio wave interference may occur between this product and in-car devices. When something like this occurs, cease use of this product.

● **When the product is charging, do not place objects around it or the USB charging cable.**
Doing so may generate heat and cause fire or burns.

● **When using the product, follow the instructions in the user's manual for the connected device.**
This product can be used with PCs and mobile phones via wireless communications, but the configuration procedures and precautions differ according to the connected device. When using the product, carefully read the user's manuals for these products and follow their precautions.

● **Periodically charge the product.**
When not using this product for extended periods of time, charge it about once a month.

■Discarding the product
This product uses a lithium polymer battery for its internal battery. The lithium polymer battery is a recyclable resource.
When you no longer need to use this product and the battery, be sure to dispose of it in accordance with the local ordinances and laws of your area.

■Other: Please also pay attention to the following items.
• Avoid using or storing this product in locations exposed to vibrations or impacts, in high temperature or humid areas, or in areas that are exposed to direct sunlight for long periods of time.
• This product is a precision device. Do not drop it or expose it to strong impacts.
• Do not place this product in locations with high temperatures and high humidity (vehicle dashboards, near heaters, etc.), in locations exposed to direct sunlight for long periods of time, in locations where static electricity easily occurs, or in locations with large amounts of dust.
• When this product has become dirty, wipe it with a soft cloth that contains a small amount of water or mild detergent. Using benzene or thinner will cause deformation or discolouration.

■Precautions regarding radio waves
The band of frequencies used by this device are used to operate local wireless base stations (wireless stations that require a licence) and designated low-power wireless stations (wireless stations that do not require a licence) for the detection of moving objects on factory production lines in addition to microwave ovens and other industrial/scientific/medical devices.
● Before using this device, make sure that local wireless base station and designated low-power wireless stations for the detection of moving objects are not being operated.
● If this device has created radio wave interference for a local wireless base station for moving object detection, quickly change the frequency that is used or stop using this product.
● In other situations where some sort of problem has occurred such as when this device causes an incident where radio wave interference is produced for a designated low-power wireless station for moving object detection, contact the retailer from whom you purchased the product.

Used frequency band	2.4 GHz
Modulation method	FHSS (Frequency Hopping Spread Spectrum)
Estimated interference distance	Approx. 10 m (when there are no obstructions)
Ability to change frequencies	Uses all bands and it is possible to avoid bands for "local wireless base stations" or "designated low-power wireless stations"

### ■About the internal battery
The battery is a consumable that deteriorates even under normal usage. This wear is a property of the battery. It is not faulty. The internal battery is a fee-based repair, even within the warranty period.
● If the product is stored for a long period of time without being used, the battery's performance will decrease. The performance will be restored after the battery is charged and discharged a number of times.
● The standby time decreases in environments with a low ambient temperature.
● The lithium polymer batteries are recyclable resources.

Troubleshooting

■Cannot hear the PC sound/cannot input audio from the microphone
Bluetooth audio may not be configured as the default device on the PC.
Check the settings with the procedure below and change the settings.
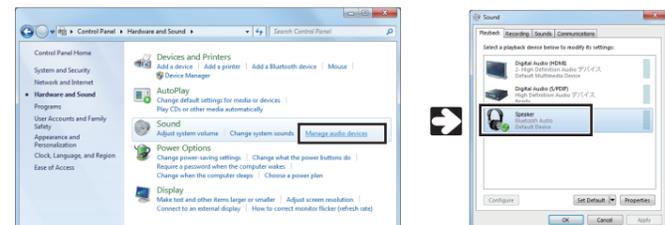
Click [Manage audio devices] on the control panel.
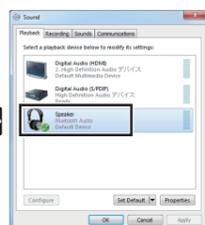
The correct state is when the [Bluetooth Audio] setting on the [Playback] tab is "Default Device".

Procedure to change

Double click the [Bluetooth Audio] icon.

If it changes to "Default Device", the setting is complete.
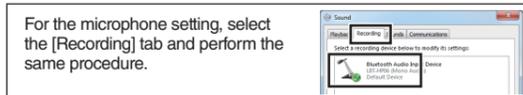
For the microphone setting, select the [Recording] tab and perform the same procedure.

■No voice heard during phone conversation
With some mobile phones if there is a silence during conversation that is longer than approx. 20 seconds, the phone will automatically go into power saving mode and the earphone jack will turn off sound input/output. Because of this, sound may sometimes turn off during conversation. If this occurs, press the multi-function button on this product to take the phone out of power saving mode.

■This product does not have any power.
Always ensure that the battery for this product is fully charged. If the battery is not fully charged, charge it. When you no longer need to use this product and the battery, be sure to dispose of it in accordance with the local ordinances and laws of your area.

■Line noise or echoes can be heard.
Try adjusting the distance between this product and the paired device. Also try adjusting the volume, etc.

■When a call is received on the mobile phone, even when the multi-function button is pressed it does not answer the call.
With some mobiles phones, it may be necessary to press the multi-function button several times before the conversation will start. If the phone will not answer after pressing the multi-function button once, try pressing it several times.

■Your conversation partner cannot hear your voice.
With some mobile phones it is necessary to manually set the microphone input settings to ON. If the microphone input is turned OFF, your conversation partner will not be able to hear your voice spoken from the headset microphone.

■The phone immediately goes to voice mail when an incoming call is received.
If the phone is set to go to voicemail after a short time, the voicemail will kick in before the call is forwarded to this product. If this occurs, set your phone to wait for a longer time before a call goes to voicemail service.

■Cannot perform pairing with a Bluetooth device.
○ Please ensure that the device's Bluetooth functions can be used. If pairing mode cuts off due to time out, it is necessary to perform the settings again.
○ Confirm that the device supports the profiles used by this product.

■No ring tone
You may not be able to set a ring tone for the incoming call sound on the Bluetooth headset depending on the mobile phone model.

■The headset cannot be used when placing a call.
When making a call from the mobile phone, the speaker and microphone must be switched from the phone to the Bluetooth headset. For the procedure, read the user's manual for the mobile phone.
[Basic operation]
For iPhone4 After the call, change the sound output setting to LBT-VM01 (the device name for this product).
For Android After the call, press the Menu button and press the Bluetooth button.

■Pairing is required each time after using other mobile phones
For au, after the headset is used with other mobile phones, even if it is paired, you may need to pair the headset again.