Supports Bluetooth 2.1 + EDR
Bluetooth Wireless Headset
LBT-AVNB02 series

User's Manual V01

Thank you for purchasing this quality ELECOM product. This manual contains instructions on how to use this Bluetooth wireless headset, as well as precautions for safe handling. Ensure that you have read this manual before using the product. After reading this manual, store it somewhere safe for future reference.

Unless specifically indicated otherwise, all explanations in this manual are based on the LBT-NB02. Operation is the same for all models.

Product Features

Use this product to enjoy wireless audio playback capability on your Bluetooth-equipped smartphone or mobile phone. Furthermore, a microphone is also incorporated allowing you to use this product as a headset for hands-free communications. Bluetooth 2.1 + EDR support simplifies pairing with other devices that support the standard.

● This sure-fit neck band type headset features an IPX4 level splash-resistant design that makes it very resistant to sweat and rain, and perfect for enjoying music while running or exercising.
● A connected player (AVRCP compatible) can be controlled using the headset buttons. This makes it possible to track skip forward, track skip reverse, and adjust volume without operating the player.
● Equipped with an integrated microphone for hands-free conversation when connected to a compatible smartphone or mobile phone. Easily handle unexpected calls during busy times, and avoid missed calls.

This product is intended for connection and use with a Bluetooth-capable device. Pairing registration must be performed before using this product with the intended device (smartphone/audio player, etc.).
Necessary information when connecting:
■ Product device name when detected in a search from a mobile device:
→ LBT-NB02
■ Link Key :
→ 0000 (Four zeros)

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

Package Contents

• Headset x1
• User's Manual (this document) x1
• USB charging cable x1

Part Names

Wearing the Headset
Wear the headset so the left and right channel arms rests between your ears and head.
Incorrectly wearing the headset can cause it to come off during vigorous exercise.

Controls
Right

Left

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. Although the connector type may be the same, differences in electrical poles and output may cause damage. Similarly, do not use the charging cable included with another product to charge this product.

Names and Functions of Individual Parts

① Multi-function button — Use for establishing connections or to toggle a connected device between play and pause.

▶ Power ON — Press and hold for approx. 3 seconds, the LED lamp blinks blue and the power turns ON.
■ When the power is turned ON, the headset will attempt to connect to any paired devices within range. Depending on the device and how it is operated, the headset or the destination device may need to be connected.
■ After connection is established, the status of the headset can be checked using the LED lamp. Please refer to the Function list.
■ If no paired devices are in range, perform a pairing operation with a new device.

▶ Play/pause — Play/pause music. Play/pause music when connected to a device that supports AVRCP remote control functions. Serves as a mute button when connected to a device without AVRCP capability.

▶ Power OFF — When the power is turned ON, press and hold for 3 seconds. The LED blinks red and the power will turn OFF.

▶ Pairing (registration of device) — When the power is turned OFF, press and hold for at least 5 seconds to switch to pairing mode (able to be searched/detected from mobile devices, etc.). When in pairing mode, the LED lamp alternately blinks red and blue.

② Track skip forward / Track skip reverse — When the headset is connected with a device that supports AVRCP (remote control function), holding down the minus side for two seconds performs track skip forward. Holding down the plus side for two seconds performs track skip reverse.

② Volume button — Press the plus side to increase volume. Press the minus side to decrease volume.

③ LED lamp — The LED lamp indicates power and device status. Please refer to the Function list.

④ Phone mic — A microphone for use in phone conversation when connected with Hands-Free Profile or Profile.

⑤ Charging connector — Connect with the included USB charging cable to charge the headset. To maintain splash-resistance, be sure to fasten the cap in place before using the headsets.

Function List

Function/Status	Operation	LED Display
Power ON	Press and hold the Multi-function button for approx. 3 seconds	Blinking blue
Powered ON	Not connected to any devices	Blinks blue once every 3 seconds
	Connected to a device	Blinks blue twice every 4 seconds
Power OFF	Press and hold the Multi-function button for approx. 3 seconds	Blinks red then turns off
Charging	-	Lights red
Charging complete	-	Unlit
Not enough charge in battery		Blinks red twice every 30 seconds
Pairing mode	When the power is off, press and hold the Multi-function button for approx. 5 seconds	Alternately blinking red and blue
Volume adjustment	Press the Volume button.	-
Pause/Mute	Press the Multi-function button once	-
Track skip forward/reverse	Hold down the Volume button.	-
Answer call	Quickly press the Multi-function button once when phone is ringing.	-
Hang up phone	Quickly press the Multi-function button once when in a call.	-
Redial	Press the Multi-function button two times when in standby	Rapidly blinking blue

STEP 1 Charging

This product must be charged before use.

To charge the product, connect the included USB cable to a commercially available USB-AC adapter, or to the USB power source of a PC that is conducting electrical power.

■ Connect to a commercially available USB-AC adapter or a computer USB port.

Connect to the charging connector of this product.

To AC wall outlet   USB charging cable

The LED lamp lights red during charging, and turns off when charging is complete.

Allow approx. two hours for charging to complete. If the LED lamp has not turned off after two hours, immediately disconnect the charging cable and stop charging. Charging for more than two hours can shorten the battery life and may lead to device failure.

STEP 2 Pairing (Registering with the device)

In order to use this product with a portable audio player or mobile phone, the device must be registered for pairing (an initial registration process with the device). Please refer to the manual included with your mobile device for information regarding the operation of that device.

If your device is already paired (registered), all you have to do is turn it on, after that it is hands-free. When power is turned ON, the device reconnects automatically. If reconnection does not occur automatically, perform a connection from either the headset or the connecting device.

1 With the power turned OFF, push and hold the Multi-function button for at least 8 seconds. The LED lamp begins to blink red and blue.

Continue holding down the button, and within the next 5 seconds the LED lamp displays as follows:

Blinks blue several times	→	Flashes red and blue alternately
(for approx. 3 secs. after power turns ON)		(for approx. 5 secs. after pairing mode is entered)

2 Search for the headset from the device with which you wish to pair (mobile phone, audio player, etc.).

● The search method varies depending on the device you are using. Please refer to the manual included with your device for information regarding the operation of that device.
When your mobile phone or portable audio player locates the main unit, the device name [LBT-NB02] will appear at the top of the search results screen. Select and register this device.

If a message appears prompting you to enter a link key, enter [0000] (four zeros).
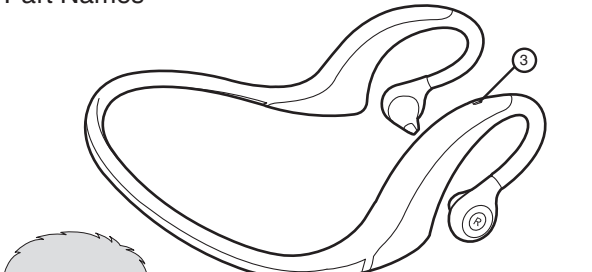* With a Bluetooth 2.1 device, it may be possible to complete registration without the need to enter a link key.

3 The LED lamp will blink blue in a loose pattern when pairing is completed. (Refer to the function list for this product for information about the blinking pattern.)
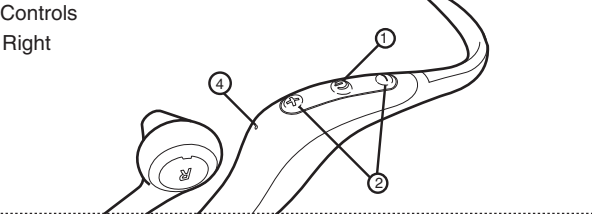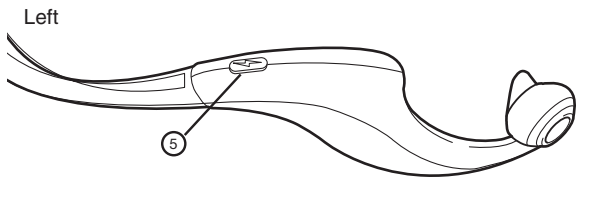
● Up to eight sets of pairing information can be stored. Registering a ninth set of pairing information will cause the current oldest set to be automatically deleted. If reconnecting to a device which was erased from the memory, pairing must be performed again.
● A mobile phone must be equipped with a Bluetooth Audio/Video Remote Control Profile (A2DP) to be used as an audio player with this headset.
● If pairing fails due to a setting in the destination device, etc., immediately reset the power and try again.
● This product conforms to Bluetooth 2.1+ EDR standards. It may be possible to bypass link key entry when connecting to another Bluetooth 2.1+ EDR device.

STEP 3 Basic Operation

Power ON/OFF

■ Power ON

Press and hold the Multi-function button until the LED lamp blinks blue several times (approx. 5 sec.).

The headset will automatically connect to any devices in range on which pairing has already been performed. If the reconnect does not occur automatically, press the Multi-function button on the headset once or twice, confirm settings on the destination device (mobile phone, etc.) and attempt to perform a connection from the device. If you still cannot reconnect, perform the pairing operation again. If a paired device cannot be found and connection is not established, the LED lamp will continue to blink blue once every 3 seconds.

You may need to approve or authenticate the headset connection (device name LBT-NB02) or perform a [Connection] procedure from the mobile device.

Press and hold until the LED lamp blinks blue several times (power turns ON in approx. 5 secs.).

■ Power OFF

With the power turned ON, press and hold the Multi-function button for at least 5 seconds. The LED lamp will blink red then turn off, indicating that the device power is now OFF.

Press and hold until the LED lamp blinks red several times. (Power turns OFF in approx. 5 secs.)

Auto-power OFF feature
If no pairing device is found when turning the power ON after it has been off, or after a connected device has lost its connection, the LED will blink red after approx. 5 minutes and the device will automatically turn off.

Listening to Music

When this headset is connected to a mobile phone or portable audio player with A2DP support, you can listen to audio played from that device on this headset.
Also, when connected to a device with AVRCP (remote control capability), the device can be controlled remotely by this headset.
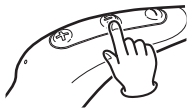
The remote control functions may vary depending on the device connected and the audio player application being used, and in some cases may not work.

■ Play/Pause/Mute

Perform with the Play/Pause button.
Press the Play/Pause button to pause the music that is currently playing.
If the device is not AVRCP-capable, this becomes a mute function.

Press the Multi-function button quickly.

■ Volume adjustment

Adjust the volume by pressing the Volume button quickly. Pressing [+] increases volume, while pressing [-] decreases volume.

Press the Volume button quickly.

■ Track skip forward/Track skip reverse

Hold down the Volume button for about two seconds to perform track skip forward or track skip reverse.
Holding down [-] performs track skip forward, while holding down [+] performs track skip reverse.
* Depending on the connected device, some functions may not work as specified.
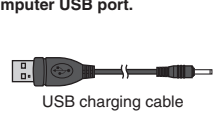

Hold down the Volume button for about two seconds.

Making a Call on a Mobile Phone, etc.

Phone conversation can be performed through the microphone on the headset when connected to a smartphone or mobile phone with HFP/HSP capability. This product is equipped with a microphone located on the right side front of the headset.
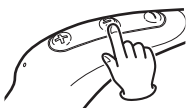
● The following functions can only be used when Head-Set Profile (HSP) or Hands-Free Profile (HFP) pairing has been performed.
● Depending on the device specifications, your mobile phone may behave in a different manner than described in relation to the operation of this product. Please refer to the manual of your mobile phone.

■ Receiving a call

When a call is received, you will hear a ringtone. If music is playing at this time, it will be interrupted. Press the Multi-function button to answer the call and begin talking.
* Depending on the device specifications, ringtones may not be heard on the Bluetooth headset.

Press the Multi-function button when you hear the ringtone.

■ Placing a call

To place an arbitrary call, switch the sound output setting after dialling the recipient number.
For iPhone 4
After the call, change the sound output setting to LBT-NB02 (the device name for this product).
For Android
After the call, press the Menu button and then press the Bluetooth button.
Refer to the manual of your mobile phone for information of switching the sound output setting.

■ Hanging up

When in a call, press the Multi-function button once to hang up.

■ Redialling

Press the Multi-function button two times.

Voice Conversation Using a PC

When performing voice conversation on a PC, control conversation start/end on the PC side. Please refer to the manual for the software or OS which you are using for information on how to start/end a voice call on your PC. For detailed information, please refer to the online help of the software or OS which you are using.

Troubleshooting

■ 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.

■ 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 hear the sound of audio files.

Bluetooth audio playback does not support certain web content and file types. Contact the site from which you downloaded the audio file.

■ 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.

■ Cannot hear any audio on movies/video.

Depending on your device specifications, Bluetooth may not support audio playback of downloaded promotional videos, etc

■ Headset does not work when placing a call.

When placing a call on your mobile phone, it is necessary to switch operation from this product to the Bluetooth headset. Please refer to the manual of your mobile phone for information on how to perform this.

[Basic operation]
For iPhone4
After the call, change the sound output setting to LBT-NB02 (the device name for this product).
For Android
After the call, press the Menu button and then press the Bluetooth button.

■ Your own voice is too quiet.

Adjust the microphone output level on your mobile phone or device.

■ After using with a different mobile phone, it is necessary to perform pairing again

Depending on your mobile phone or other devices, after using the paired headset with another phone or device, it may be necessary to perform pairing again.

■ Cannot hear audio on PV downloaded on your mobile phone.

Because of digital copyright protection, it cannot be played on a digital Bluetooth headset.

Basic Specifications

LBT-AVNB02

Product specifications	Bluetooth headset
Device name	LBT-NB02
Bluetooth specifications	Bluetooth 2.1 + EDR
Carrier signal	2.4 GHz band
Frequency diffusion method	FHSS
Transmit range	Max. 10 m radius (unobstructed) *1
Supported profiles *2	HFP/HSP (hands-free operation)
	A2DP (music function)
	AVRCP (remote control function)
Splash-resistance	IPX4-compliant
SCMS-T	Supports
Max. no. of pairing devices	8
Continuous standby time	Approx. 140 hours
Audio playing time/Talk time	8 hours/7 hours *3
Environment conditions	
Operating temperature/humidity	0 to 35˚C, 20 to 80% (no condensation)
Storing temperature/humidity	-10 to 45˚C, 10 to 90% (no condensation)
Input voltage	5 VDC (supplied by USB charging cable)
External dimensions (W x D x H)	135 x 135 x 50 mm
Weight	Approx. 35g

*1 Theoretical value. Range is also affected by the Bluetooth capability of the target device and the conditions of the surrounding environment.
*2 It is not possible to connect to another device when using an audio file and phone file simultaneously.
*3 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.