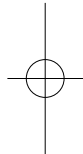


**lenovo**

**W870**  
**Bluetooth Headset**

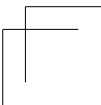
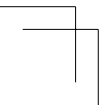
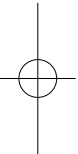
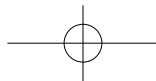
**lenovo**<sup>®</sup>

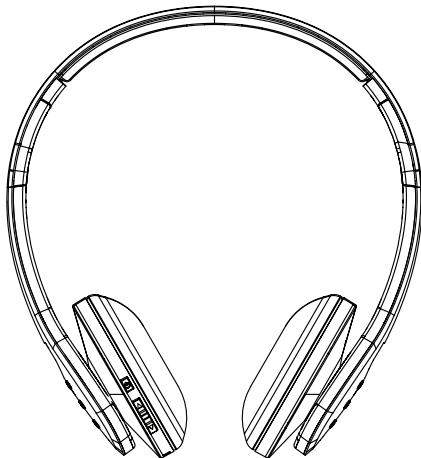
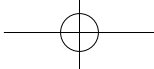
[www.lenovo.com](http://www.lenovo.com)



Product name: Lenovo Bluetooth Headset  
Product model: W870  
Product standard: Q/HDLCS0103-2012  
Manufacturer: Lenovo (Beijing) Co., Ltd  
Address: No.6 Chuang Ye Road, Shangdi Information  
Industry Base, Haidian District, Beijing, China  
Zip Code: 100085  
Lenovo website: [www.lenovo.com](http://www.lenovo.com)

Lenovo (Beijing) Limited

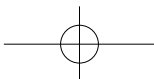




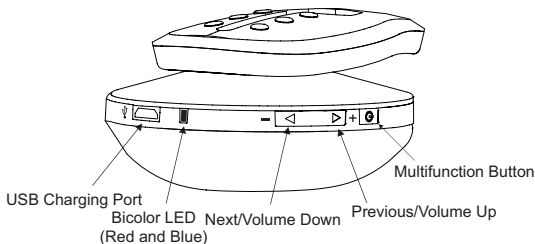
## I. DESCRIPTION:

Dear customers,

Thank you for selecting high-quality electronic product offered by Lenovo. This headset is manufactured with internationally advanced Bluetooth wireless audio transmission technology. This technology is characterized by stable signal, long transmission distance and Hi-fi stereo. Its in-built Lithium polymer battery of 380mAh provides a standby time of 8 hours, allowing you to enjoy the music and chat online freely. Mobile OS requirements: Android, WM6, WP7, IOS4.1 or above, and Symbian PC OS requirements: WIN XP, WIN 2000, WIN 7, WIN 8, VISTA, and Apple MAC  
Compatible media player: windows media, ttpod, Kugoo, iTunes, and TTPlayer



## II. HEADSET BUTTONS:



### 1. Multifunction button

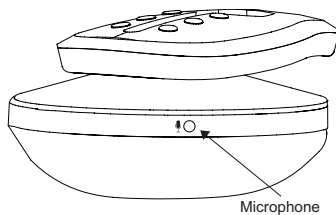
- 1) Power On: By pressing this button for 2 seconds in power-off state until you hear a beep in the headset, the blue lamp will flash every 2 seconds and the headset is started.
- 2) Power Off: By pressing this button for over 2 seconds and then releasing it in power-on or playing state, the red lamp will flash once and you will hear a beep in the headset.
- 3) Pairing: By pressing and holding the multifunction button for 5 seconds in power-off state, the red and blue lamps of the headset will flash quickly and alternately, and the mobile phone or computer will enable Bluetooth search. When the mobile phone or the computer prompts that the headset is found, please click "Connect", but some devices may require a password "0000".
- 4) Pause/Play: Press it once quickly in music state.
- 5) Answer calls: Press it once quickly when there is incoming calls.
- 6) Hang up calls: Press it once quickly during a call.

2. Previous/Volume +: Press it quickly to switch to the previous song; press and hold it to increase the volume; when the button is not released after the volume reaches its maximum, there will be a beep alert.
3. Next/Volume -: Press it quickly to switch to the next song; press and hold it to decrease the volume; when the button is not released after the volume is lowered to its minimum, there will be a beep alert.
4. Auto re-connection: In power-off state, press the multifunction button for 2 seconds until it beeps. The blue lamp will flash every 2 seconds and the headset is on. Release the button and the headset will by default automatically connect the last paired device; it will take around 1 minute to get connected.

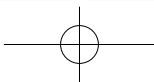
### III. BICOLOR INDICATOR LAMP:

1. Red LED lamp is the charging indicator. It is on when the device is charged, and is off when the charging completes.
2. Blue LED lamp is the working state indicator
  - 1) It flashes every 2 seconds in power-on and music states; it flashes twice every 3 seconds during music playing and phone calls.
  - 2) While pairing, the red and blue lamps will flash quickly and alternately.
  - 3) This lamp is off when the device is powered off or runs out of batteries.

### IV. MICROPHONE:



The microphone is a hidden multi-directional microphone for chatting and phone calls.



## **V. CONNECTION BETWEEN HEADSET AND XP COMPUTER:**

1. Select "My Bluetooth Location" in My Computer
2. Power on the headset to enter the Bluetooth pairing state. The red and blue lamps will flash alternately, select "Add a Bluetooth Device"
3. Select "Lenovo Bluetooth Headset W870" for connection
4. Select "Personal hands-free device with no display screen"
5. Pairing completed!
6. Connect to "Lenovo Bluetooth Headset W870 stereo audio"
7. Connected. Enjoy the music!
8. If you want to enable voice chat, please connect to "Lenovo Bluetooth Headset W870 Hands-Free unit"

## **VI. CONNECTION BETWEEN HEADSET AND WIN7 COMPUTER:**

1. Open the Bluetooth icon on the bottom right corner of the computer
2. Power on the headset to enter the Bluetooth pairing state. The red and blue lamps will flash alternately, select "Add a Device"
3. Select "Lenovo Bluetooth Headset W870" and then click "Next"
4. Wait a few seconds until the computer has successfully added the device; then click "Close"

## VII. CONNECTION BETWEEN HEADSET AND MOBILE PHONE:

1. Power on the headset to enter the Bluetooth pairing state. The red and blue lamps will flash alternately.
2. Activate the Bluetooth function so that the mobile phone starts search for Bluetooth devices. (For details, please refer to the mobile phone instructions)
3. Select "Lenovo Bluetooth Headset W870" for connection. Some mobile phones may require a password "0000"
4. Connected successfully and you can play music and make calls.

## VIII. CHARGING INSTRUCTIONS:

1. Connect Micro USB charging plug with the headset first, and connect USB connector of the charging cable with USB port of the computer or the mobile phone charger. Red LED lamp is on and the device enters the charging state.
2. When the charging is completed, the red LED lamp is off. You could disconnect the charging cable.

### ⚠ Notes:

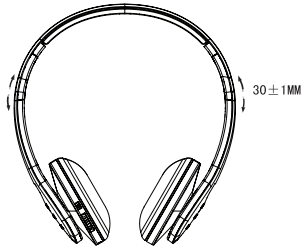
- This headset can only use Micro USB cable to connect the standard 5V charger of the mobile phone, or the USB of PC for charging. Or else, the power management circuit of the headset will be burnt out.
- This headset is equipped with inbuilt irremovable charging battery. Please do not remove the battery to avoid the damage to the headset.
- The charging time of the headset battery for the first time should be 12-24 hours to activate the best performance of the battery. Later on, the charging time will be 2-3 hours (please do not charge the device for over 24 hours to avoid damage to the service life of the battery).
- Micro USB plug only applies to charging port connection. Please do not use it for data transmission with PC.



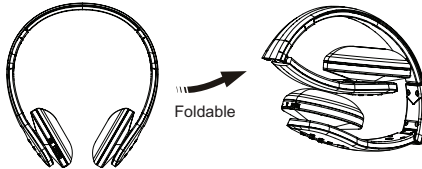
## IX. WEARING INSTRUCTIONS:

Please distinguish the left and right sides of the headset when wearing it: "L" on the bracket indicates the left side, while "R" indicates the right side.

Both sides of the headset are equipped with collapsible headphones. The length can be adjusted accordingly to make you enjoy the music comfortably! The length can be extended to  $30\pm 1\text{MM}$ .



Foldable arms:



## X. TROUBLESHOOTING:

1. The device cannot power on by pressing Power On button. Please insert the charging cable for charging and confirm whether the batteries are full.
2. The computer or mobile phone cannot be connected to the Bluetooth headset normally. Please follow the correct pairing operations and check whether the device to be paired has enabled the Bluetooth headset function.
3. The device cannot play the music. Please confirm whether the pairing is successful.
4. Some mobile phones cannot play the music if calls come in while the music is playing and are then hung up after several minutes. This issue should be attributed to mobile phone's system software. Please restart the mobile phone.
5. The mobile phone cannot locate the Bluetooth headset
  - 1) Please make sure the Bluetooth headset is powered on (You can check whether the red and blue indicator lamps are flashing alternately).
  - 2) If the Bluetooth headset is powered on but still cannot be located, please restart the Bluetooth headset and the mobile phone.
6. There is always disconnection or noises after the Bluetooth headset and mobile phone are connected
  - 1) The Bluetooth headset is running out of power. Please charge it as soon as possible.
  - 2) There are barriers between the computer or mobile phone and the Bluetooth headset. Shorter receiving distance may result in noises or disconnection. In addition, muffling the Bluetooth headset with hands will also result in disconnection.
  - 3) Distance longer than the signal receiving range by 10M will also cause disconnection.
7. The Bluetooth is connected, but I cannot listen to the music
  - 1) Please examine the Bluetooth settings and switch the audio path to hands-free device.
  - 2) Some mobile phones require two settings in the player. You may need to enable the Bluetooth function in the player and select the just-connected Bluetooth device in the headset icon below, and then click OK.
  - 3) Some other mobile phones do not have complete stereo Bluetooth module, hence no function of listening to music through Bluetooth device. You can connect the Bluetooth headset to other mobile phones to check whether this headset works.



## XI. PRODUCT PARAMETER

### Headset:

Bluetooth Version: 2.1+EDR

Frequency response: 20Hz~20kHz

Signal to noise ratio: -85dB

Battery capacity: 380mAh

Working voltage: 3.7V

Charging time: 2H

Maximum input power: 20mW

Transmitting range: 10M (Obstacles such as walls or other electronic devices may cause interference or shorten working distance)

Modulation mode: GFSK, II/4 DQPSK, 8DPSK

Frequency range: 2400MHz\_2483. 5MHz Net weight of headset: 150g

Drive unit: 2 x 40 mm

Sensitivity (SPL): 98±3dB /1mW @ 1kHz

Impedance: 32Ω±15%@ 1kHz

Working current: 25mA

Continuous working time: 12H

Input power: 10mW

Transmitting power: ≤20dBm

### Microphone:

Frequency response: 100Hz-10kHz

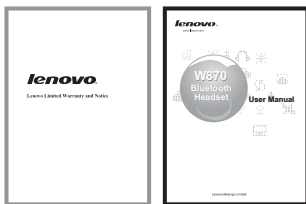
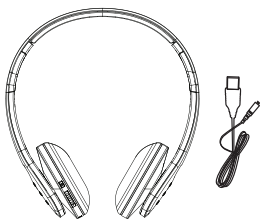
Sensitivity: -38±3dB @ 1kHz 0dB=1V/PA

CMIIT ID: XXXXXXXX

Impedance: 2.2kΩ±10% @ 1kHz

Signal to noise ratio: 55dB

## XII. PACKAGE CONTENTS:



- Bluetooth headset
- Warranty and notice manual

- USB charging cable
- User Manual

### XIII. HEARING PROTECTION:


Suggestion for preventing the hearing damage:

1. When you use the headset, too high volume may cause the hearing loss.
2. Please adjust the volume to the lowest level, open the player, increase the volume gradually until you feel comfortable in hearing and definition is not distorted.
3. If the dialog and other similar ambient noise can be heard without interference, the volume is appropriate.
4. Adjust the volume to a comfortable level and keep it. In case of the tinnitus, discomfort or sound distortion, please decrease the volume or stop listening, and check your acoustic state.

### XIV. SAFETY INSTRUCTION:

Please read all warnings and instructions.

1. Please do not use this headset near the water source to prevent water from entering the headset or damaging the headset function.
2. Please install/use this headset according to the instructions of the manufacturer.
3. Please keep this headset away from fire (such as flaming candle).
4. Do not install this headset near the heat source (including the heater, heat ventilating devices or other heat-producing devices).
5. This headset can only be used with the accessories specified by the manufacturer.
6. This headset must be repaired by the qualified personnel.

 **Warning:** Wireless transmitter will produce electromagnetic signal, so use it carefully in places where the heart pacemaker or related medical device is used.

## XV. FCC NOTE

Headset model: W870

CMIIT ID: \*\*\*\*\*

FCC ID: A5MW870

### Federal Communications Commission Declaration of Conformity

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.

Lenovo is not responsible for any radio or television interference caused by using other than recommended cables and connectors or by unauthorized changes or modifications to this equipment. Unauthorized changes or modifications could void the user's authority to operate the equipment.

This device complies with Part 15 of the 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.

#### Responsible Party:

Lenovo (United States) Incorporated  
1009 Think Place-Building One  
Morrisville, NC 27560  
Telephone: 1-919-294-5900



#### RF Exposure Statement

The radiated energy from the Lenovo W870 Bluetooth Headset conforms to the FCC limit of the SAR (Specific Absorption Rate) requirement set forth in 47 CFR Part 2 section 1093.

#### XVI. Notices for India

Headset ETA No.: \*\*\*\*\*

**The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.**