

**BTH022**  
**Bluetooth stereo headset**  
**User's manual**

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Welcome to use this Bluetooth stereo headset with clip, BTH022. Please read this user's manual carefully before use.

## ■ Brief introduction

### 1. Bluetooth wireless communication technology

Bluetooth is a standard of close range wireless communication technology that was drawn up by Ericsson, IBM, Intel, Nokia and Toshiba. With Bluetooth technology, we can achieve the highest transmission rate among cell phones, computers, printers, PDAs and other devices. The max transmission range of class II is 10 meters while the max transmission range of class I can reach up to 100 meters.

### 2. About BTH022

BTH022 is a Bluetooth stereo headset with clip. It supports the following Bluetooth profiles:

HSP —— Headset Profile

HFP —— Hands-free Profile

A2DP —— Advanced Audio Distribution Profile

AVRCP —— Audio/Video Remote Control Profile

You can enjoy music wirelessly by using BTH022. It has the following features:

1) Pairing with a Bluetooth cell phone or PDA supporting HFP profile.

- ◆ Answer a call, end a call and reject a call
- ◆ Redial last number
- ◆ Voice dial
- ◆ Adjust the volume
- ◆ Call transfer between the BTH022 and your Bluetooth cell phone
- ◆ Microphone mute

2) Pairing with a Bluetooth music device or Bluetooth transmitter supporting A2DP profile.

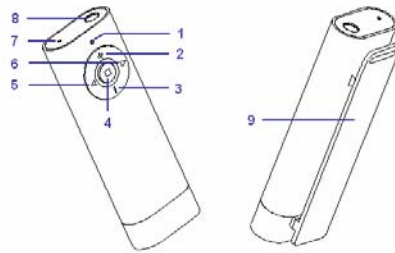
- ◆ Enjoy music wirelessly
- ◆ Adjust the volume
- ◆ Remote control pause/play
- ◆ Remote control previous/next track

3) Easy to switch between the call and music, you will not miss the incoming call during listening to music.

4) Every time the headset is turned on, it will automatically connect to last connected device.

**Note:** Even though the paired device and the headset support the same Bluetooth profiles, functions may vary due to specification differences of the paired devices.

■ **Before use**  
**1. Overview**



|   |  |
|---|--|
| 1 | LED indicator  |
| 2 | Volume up  |
| 3 | Volume down  |
| 4 | Multi-function button (MFB): Power on/power off/answer a call/end a call/reject a call/microphone mute/call transfer/redial last number/pause/play |
| 5 | Previous track   |
| 6 | Next track   |
| 7 | Built-in microphone  |
| 8 | 3.5mm audio out jack and charging jack   |
| 9 | Clip   |

## 2. Charging the headset

The headset BTH022 comes with a built-in rechargeable battery, prior to using it, it is recommended to charge the battery fully for the first time.

When the headset is low power, red LED flashes twice and the headset emits three “Dong” tones every 20 seconds. Please recharge the battery of the headset.

Connect the USB cable to an computer USB port and the USB cable plug to the charging jack of the headset. Red LED is on while charging. It takes about 2 hours to charge the battery fully. When charging has completed, red LED will be off.



### Remarks:

- 1) The battery is recycled.
- 2) Batteries (battery pack or batteries installed) shall not be exposed to excessive heat place, such as sunshine, fire or the like.

## ■ Getting started

### 1. Turning on/off the headset

| Function    | Operation   | LED indicator               |
|-------------|---|-----------------------------|
| Turning on  | Press and hold <b>MFB</b> button for 3~4 seconds until blue LED is on | Blue LED is on for 1 second |
| Turning off | Press and hold <b>MFB</b> button for 3~4 seconds until red LED is on  | Red LED is on for 1 second  |

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**Remark:** If the pairing can not be completed within 5 minutes, the headset will then turn off automatically in order to save power.

## 2. Pairing the headset with Bluetooth devices

### How to enter pairing mode

| Function | Operation | LED indicator |
|----------|-----------|---------------|
|----------|-----------|---------------|

|                       |  |                                      |
|-----------------------|--|--------------------------------------|
| Entering pairing mode | Ensure the headset is turned off, otherwise turn it off first and then press and hold <b>MFB</b> button for 6~7 seconds until LED flashes red and blue alternately | LED flashes red and blue alternately |
|-----------------------|--|--------------------------------------|

**Remark:** Pairing mode will last 2 minutes. If the headset still can't pair with any Bluetooth devices after 2 minutes, it will return to standby mode automatically.

#### **Pairing the headset with a Bluetooth cell phone**

Prior to using the headset for the first time, you have to pair it with a Bluetooth-enabled cell phone. The pairing procedures will vary depending on different models of cell phones. Please refer to your cell phone user's manual for further information. The general pairing procedures are as follows:

- 1) Place the headset and Bluetooth cell phone where they are easily viewable by no more than 1 meter apart;
- 2) Enter the headset's pairing mode (please refer to "How to enter pairing mode");
- 3) Activate your cell phone's Bluetooth function and set your cell phone to search for Bluetooth devices within range, and select "BTH022" from the list of devices shown;
- 4) According to the indication, enter password or PIN No: "0000";
- 5) If prompted by your cell phone to connect, select "Yes" (this will vary among cell phone models);
- 6) Go back to your cell phone's main menu. For certain cell phone models, a headset icon will be shown on the screen.

You should now be able to make and receive a call using the headset.

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#### **Remarks:**

- ◆ If pairing is failed, please turn off the headset first and then re-pair according to steps 1~6 mentioned above.
- ◆ After pairing is successful, the headset and the cell phone will remember each other, they will no need to re-pair next time. The headset can remember 8 paired devices. When the number of paired devices exceeds 8, the first one will be replaced.
- ◆ Every time the headset is turned on, it will connect to last connected

device automatically. If you want to pair it with other devices, please turn off the Bluetooth function of last connected devices first and pair the headset with the new device according to steps 1~6 mentioned above.

#### **Pairing the headset with a Bluetooth transmitter**

You can connect the headset with a Bluetooth transmitter to enjoy music wirelessly. Hereby take BTT010 (Bluetooth transmitter for iPod, not included) for example. The pairing procedures are as follows:

- 1) Place the headset and the Bluetooth transmitter where they are easily viewable by no more than 1 meter apart;
- 2) Enter the headset's pairing mode (Please refer to "How to enter pairing mode");
- 3) Turn on the Bluetooth transmitter. It will search for Bluetooth devices automatically and send a pairing request;
- 4) When the headset requests to enter a PIN No., the transmitter will response "0000" automatically;
- 5) After successful pairing and connecting, blue LED of the headset will flash twice every 5 seconds.



#### **Remarks:**

- ◆ The pairing password of the headset is "0000". So, the headset can only pair with a Bluetooth transmitter whose pairing password is "0000".
- ◆ If pairing still fails after several tries, please refer to the Bluetooth transmitter's user's manual for further information.

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#### **Multi-pairing**

The headset can connect with two devices at most. One is a Bluetooth cell phone supporting HFP profile, the other one is a Bluetooth music device supporting A2DP profile. If you want to finish the multi-pairing, please refer to the following steps:

- 1) Firstly, pair the headset with a Bluetooth transmitter (refer to "pairing the headset with a Bluetooth transmitter);

- 2) Turn off the Bluetooth transmitter;
- 3) Pair and connect the headset with a Bluetooth cell phone (refer to “pairing the headset with a Bluetooth cell phone”).
- 4) Turn on the Bluetooth transmitter, it will connect to the headset automatically.

**Remarks:**

- ◆ After successful multi-pairing, the paired devices will remember each other. Unless pairing information is deleted because of new pairing, they will no need to pair next time. If the pairing information is deleted, please repair according to steps 1~4 mentioned above.
- ◆ For the cell phone supporting the HSP and A2DP at the same time. It may set up HSP and A2DP connection with the headset simultaneously. At this time, the Bluetooth transmitter may not connect to the headset.

**3. Re-connecting with a Bluetooth device**

**1) Automatic connecting**

Every time the headset is turned on, it will automatically connect to last connected device.

**2) Manual connecting**

When the headset doesn't connect to a device supporting HFP, double click **MFB** button, it will connect to last connected HFP device.

When the headset doesn't connect to a device supporting A2DP, short press **<** button, it will connect to last connected A2DP device.

**Remarks:**

- ◆ Before connecting to a Bluetooth device, please turn on the Bluetooth device's Bluetooth function.

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- ◆ On some Bluetooth devices, take some Nokia cell phones for example, you have to allow automatic connecting in the cell phone's settings. Please refer to your cell phone's manual for further information.

**4. 3.5mm audio out function**

The headset BTH022 has a 3.5mm audio out jack, so the music and call can

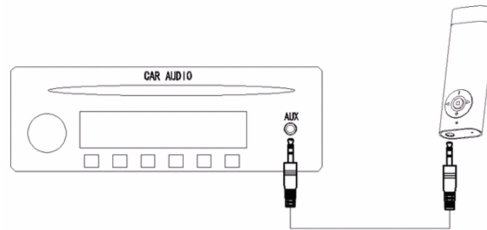
be transferred to external speaker by using a 3.5mm to 3.5mm audio cable.

**1) Connecting with 3.5mm wired stereo earphone**

Plug wired stereo earphone into 3.5mm audio out jack, Logo "L" of the earphone represents left ear, Logo "R" of the earphone represents right ear. Please wear the earphone according to the indication of the Logo. You can clip the headset on to the clothing, it is so convenient for you.

**2) Connecting with external speaker**

Plug one end of 3.5mm audio cable to the audio out jack of BTH022 and the other end to your car or home audio system, as the picture below shows:



Please read your car audio system's user manual or home audio system's user manual to understand how to activate and use the audio in function.

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**5. Making a call with the headset**

**1) Basic operation**

| Function       | Status of BTH022 | Operation   |
|----------------|------------------|---|
| Cancel calling | Calling          | Short press <b>MFB</b> button                                       |
| Answer a call  | Incoming ring    | Short press <b>MFB</b> button                                       |
| Reject a call  | Incoming ring    | Press and hold <b>MFB</b> button for 2 seconds and release it until |



|   |  |   |
|---|--|---|
|   |  | hearing indication tone   |
| End a call                              | During a call                          | Short press <b>MFB</b> button   |
| Volume up                               | During a call                          | Short or long press <b>+</b> button   |
| Volume down                             | During a call                          | Short or long press <b>-</b> button   |
| Call transfer (headset to mobile phone) | During a call                          | Press and hold <b>MFB</b> button for 2 seconds and release it until hearing indication tone   |
| Call transfer (mobile phone to headset) | During a call                          | Press and hold <b>MFB</b> button for 2 seconds and release it until hearing indication tone   |
| Microphone mute                         | During a call                          | Short press <b>MFB</b> button twice   |
| Cancel mute                             | During a call (microphone mute)        | Short press <b>MFB</b> button twice   |
| Voice dial                              | Standby mode and connected to a device | Press and hold previous track button for 2 seconds and release it until hearing indication tone   |
| Redial last number                      | Standby mode and connected to a device | Short press <b>MFB</b> button twice   |
| Lock/unlock the buttons                 | Standby mode                           | Simultaneously press and hold <b>MFB</b> and <b>-</b> buttons for 2 seconds and release them until hearing indication tone                        |
| Clear pairing list                      | Power off                              | Firstly press and hold <b>MFB</b> button and then press and hold <b>+</b> button for 8 seconds, and release them until red LED is on for 1 second |

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## 2) Three-way call

| Function  | Status of BTH022             | Operation                          |
|---|------------------------------|------------------------------------|
| End current call and answer a new incoming call | There is a new incoming call | Short press <b>MFB</b> button once |

|  |                                   |                                     |
|--|-----------------------------------|-------------------------------------|
| Keep current call and answer a new incoming call | There is a new incoming call      | Short press <b>MFB</b> button twice |
| Call transfer                                    | During a call (keep another call) | Short press <b>MFB</b> button twice |
| End current call and switch to reserved call     | During a call (keep another call) | Short press <b>MFB</b> button once  |

**Warning:** Excessive pressure from earphones can cause hearing loss.

**Remarks:**

- ◆ Not all cell phones support all functions listed above. Please refer to your cell phone's user's manual for further information.
- ◆ Certain functions and indication tones maybe vary with different models of cell phones.
- ◆ When the volume is adjusted to max. or min., you will hear a indication tone.
- ◆ When pressing the answer button on some cell phones, the call will be transferred to the cell phone. You have to switch the call to the headset manually then. Please refer to your cell phone's user's manual for further information.

**6. Music playback**

After connecting the headset to a Bluetooth cell phone or Bluetooth transmitter supporting A2DP, you can enjoy music with the headset.

| Function  | Status of BTH022 | Operation                           |
|-----------|------------------|-------------------------------------|
| Volume up | Playing music    | Short or long press <b>+</b> button |

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| Function    | Status of BTH022 | Operation                           |
|-------------|------------------|-------------------------------------|
| Volume down | Playing music    | Short or long press <b>-</b> button |

|                |               |   |
|----------------|---------------|---|
| Pause          | Playing music | Short press <b>MFB</b> button               |
| Play           | Pausing       | Short press <b>MFB</b> button               |
| Previous track | Playing music | Touch <a href="#">previous track</a> button |
| Next track     | Playing music | Touch <a href="#">next track</a> button     |

**Remarks:**

- ◆ When playing music on some cell phones, the music will be transmitted to the cell phone's speaker instead of the headset. You have to select "transmit the sound via Bluetooth" in the settings menu and then choose "BTH022" as speaker device. The music will be transmitted to the headset. Please refer to your cell phone's user's manual for further information.
- ◆ When the volume is adjusted to max. or min., you will hear a indication tone.
- ◆ If you want to remote control previous/next track, pause/play, it needs your Bluetooth cell phone or Bluetooth transmitter paired with the headset to support AVRCP profile, please refer to the user's manual of your cell phone or Bluetooth transmitter for further information.

**7. LED indicator**

**1) When the headset is charging**

| LED indicator  | Status of BTH022     |
|----------------|----------------------|
| Red LED is on  | Charging in progress |
| Red LED is off | Finish charging      |

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**2) When the headset connected to a Bluetooth device**

| LED indicator                          | Status of BTH022                          |
|--|---|
| LED flashes red and blue alternately   | Pairing mode                              |
| Blue LED flashes once every 3 seconds  | Not connected to a Bluetooth device       |
| Blue LED flashes twice every 5 seconds | Connected to a HFP device or A2DP device) |

|   |  |
|---|--|
| Blue LED flashes 3 times every 5 seconds          | Simultaneously connected to a HFP device and A2DP device |
| Blue LED flashes twice or 3 times every 5 seconds | Calling  |
| Blue LED flashes twice every 4 seconds            | Incoming ring  |
| Blue LED flashes once every 5 seconds             | During a call  |
| Red LED flashes twice every 20 seconds            | Low power  |

#### 8. Indication tone

| Indication tone                       | Status of BTH022                |
|---------------------------------------|---------------------------------|
| Emits 2 tones every 5 seconds         | During a call (Microphone mute) |
| Emits 3 "Dong" tones every 20 seconds | Low power                       |

#### ■ Care and maintenance

Read the following recommendations before using the headset. Following these you will be able to enjoy the product for many years.

- ◆ Turn off the headset before placing it in your pocket or bag. If the **MFB** button is accidentally depressed, your cell phone may place an unintended call.
- ◆ Do not expose the headset to liquid, moisture or humidity to avoid the product's internal circuit being affected.
- ◆ Don't use abrasive cleaning solvents to clean the headset.
- ◆ Do not expose the headset to extremely high or low temperature as this will shorten the life of electronic devices, destroy the battery or distort certain plastic parts.

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- ◆ Don't dispose of the headset in a fire as it will result in an explosion.
- ◆ Don't bring the headset into contact with sharp objects as this will cause scratches and damages.
- ◆ Don't let the headset fall down onto the floor. The internal circuit might get damaged.
- ◆ Don't attempt to disassemble the headset as it may get damaged if you are not professional.

- ◆ If you do not plan to use the headset for a long time, please store it in a dry place that is free from extreme temperatures and dust.

In case the headset doesn't function properly, send it to the store you bought it. The staff will help you to solve the problem.

#### ■ FAQs

##### 1 Why does red LED flash twice every 20 seconds?

The headset is low power, it needs to be recharged.

##### 2 Why isn't red LED on when charging?

- a) Please make sure the USB charger connects well with the headset;
- b) When you didn't use the headset for a long time, the battery may dry up. At this time, you have to charge the battery for 30 minutes, and then the red LED will be on.

##### 3 How far is the effective range between the headset and Bluetooth cell phone?

According to the Bluetooth standard, the max. controllable range of Class II headset is 10 meters. It varies under different environment.

##### 4 What to do when my cell phone can not search and find the headset?

The cell phone will not find the headset if the headset and cell phone are not under the pairing mode. Make sure the headset is under the pairing mode and in the effective working range, and then the headset can be paired and connected.

##### 5 Why can't hear the voice from the headset?

- a) Make sure the headset is turned on;
- b) Ensure the volume of the headset is not too low or mute;
- c) Make sure the headset connects well with your cell phone;

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- d) Ensure the distance between the headset and your cell phone is in the normal working scope.

##### 6 Why is there no voice when making a call with the headset?

- a) Make sure your cell phone is in the strong signal area;
- b) Ensure the headset is in the function range.

**7 Why can't I remotely control the pause, play, previous track and next track functions with the headset when playing music?**

The function needs the Bluetooth device paired with the headset to support AVRCP (Audio/Video Remote Control Profile). Please make sure your cell phone or Bluetooth transmitter supports AVRCP profile.

■ **Specifications**

|                                |   |
|--------------------------------|---|
| <b>Bluetooth specification</b> | Bluetooth V2.1+EDR                            |
| <b>Bluetooth profiles</b>      | HSP, HFP, A2DP and AVRCP                      |
| <b>Operating distance</b>      | 10 meters, Class II                           |
| <b>Working time</b>            | Music: Up to 10 hours<br>Talk: Up to 11 hours |
| <b>Standby time</b>            | About 150 hours                               |
| <b>Charging input voltage</b>  | DC 5A ±90mA                                   |
| <b>Charging time</b>           | About 2 hours                                 |
| <b>Dimensions</b>              |   |
| <b>Weight</b>                  | 12 g  |

**Notes:**

1. 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.
2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.