

Bluetooth Mobile Headset BT410H

User Manual

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Note: The Bluetooth trademarked is the property of Bluetooth SIG, Inc.

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1. Introduction

■ About the Bluetooth Mobile Headset

Thank you for purchasing the product. The BT401H, featuring a Bluetooth Mobile Headset that can be worn around the neck, offers the cutting edge Bluetooth wireless communications technique that links the product to talk to your Bluetooth handset allowing you to receive incoming calls with the product within a ten-meter radius of your handset in a complete hands-free convenience. More than the greatly enhanced mobility and convenience, its unique #4 battery design makes it infinitely more accessed when you are on the road or traveling that frees you from having to constantly recharge the unit.

Please take a few minutes to peruse the user manual and be cautioned of operating details, and refer to the manual whenever you need references in pairing the product with your Bluetooth handset ensuring a complete compatibility between the product and your Bluetooth handset. We thank you once again for purchasing our product.

■ Origin of Bluetooth

Bluetooth, a short-distance wireless communications technology characterized by short-distance communication of low power consumption and interference resistant, helps you to streamline various peripheral electronic products and interconnects, under the same wireless frequency band, for intercommunication among your handset, PC, PDA, Bluetooth Mobile Headset, printer, keyboard, mouse and so on, forming a minute, personalized wireless communication network. Now won't you join us to enjoy the sensation of brought by Bluetooth.

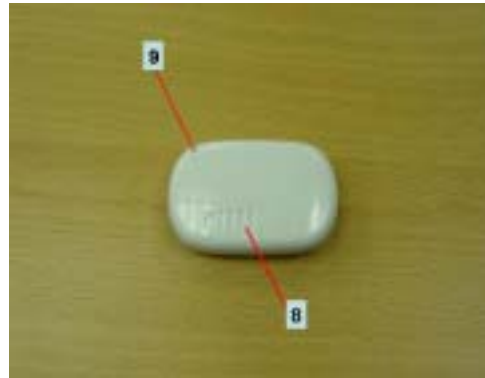
■ Product overview

▸ □ Product kit

The standard product kit consists of,

- 1). One BT401H unit.
- 2). One AAA battery.
- 3). One earphone.
- 4). One user manual.

▶ □ Appearance introduction



- 1). connect /disconnect button
- 2). volume up button
- 3). volume down button
- 4). earphone jack
- 5). the earphone
- 6). the RF LED
- 7). the status LED
- 8). the battery door
- 9). the hanging jack

■ About the battery

The Bluetooth Mobile Headset, incorporate an AAA battery design, allows you to instantly power the unit with the battery included in the starter kit, and can be replaced with standard AAA alkaline batteries whenever the power runs low, or to recharge the lithium battery. The actual talk time of the Bluetooth Mobile Headset may vary according to the battery type and state of operations.

■ About the earphone

The Bluetooth Mobile Headset's earphone comes with a microphone and earphone, which you can freely adjust to a comfortable wearing position, and have the front hanging wire looped through the Bluetooth earphone hang hole at the front of earphone knob before inserting the earphone jack into the Bluetooth earphone port to complete the assembly.



2. Product initiation

■ Installing and replacing the battery

When using the unit for the first time or in subsequent battery replacement, please refer to the following steps to replace the battery:

- 1). Push outward the battery cover on the backside of the unit.
- 2). Remove the battery when it is time to replace a new battery.
- 3). Replace with a new battery by following the positive and negative polarities as marked in the battery chamber.
- 4). Reload the battery cover and ascertain that the battery cover is securely fastened.



■ Switching the power On/Off

When the headset is power on mode and the “Connect” button is pressed down for three seconds, the LED indicator will go off as the headset enters power off status.

When the headset is power off mode and the “Connect” button is pressed down for three seconds, the LED indicator will begin to flicker as the headset is reverted to its previous mode.

■ Pairing with Bluetooth mobile phone

Prior to operating the Bluetooth Mobile Headset, you have to pair it with your Bluetooth mobile phone for establish a Bluetooth identification, a process that is described as 「pairing」; please following the hereunder steps to complete the pairing process :

- 1). Ensure that both your Bluetooth mobile phone and Bluetooth Mobile Headset are power on.
- 2). Depending on your Bluetooth mobile phone support Bluetooth Mobile Headset profile or hands-free profile and turn the Bluetooth Mobile Headset setting to a corresponding pair mode. The Bluetooth Mobile Headset set as headset profile for initial setting, where under the paired status, you would then press ‘Volume Up’ to access the ‘Hands-free profile’ mode. [\[Note 1\]](#)
- 3). Find the Bluetooth voice accessories from your Bluetooth mobile phone, please select the BT315H and key in a four-digit pair number‘1234’ to complete the pairing process. [\[Note 2\]](#)
- 4) Under the pairing mode, the blue and red LED indicators will flicker alternately, and as you have completed the pairing process, the red LED will stop flicker to indicate hat the pair has succeeded as the unit enters a standby mode. [\[Notes 3 and 4\]](#)

[Note 1: The hands-free profile supports the redial function, whereas the headset profile does not.](#)

[Note 2: As the functions may vary from one brand to another, please refer to your Bluetooth mobil phone manual for additional description, bear in mind that the headset is to be kept within a 10-meter radius from your Bluetooth mobile phone during the pairing process.](#)

[Note 3: please refer to the LED indicator status signal to determine the headset’s operating mode; if the signals should be jammed, please restart and redo the pairing process.](#)

[Note 4: If the pairing process has not been completed within a three-minute period, the Bluetooth Mobile Headset will revert back to the previous operating mode before the pairing process.](#)

■ Multiple Bluetooth Mobile Headset pairings

The Bluetooth Mobile Headsets supports a multiple Bluetooth device of up to three Bluetooth-enabled devices, and should you desire to pair it with other

Bluetooth-enabled devices, please refer to the following steps :

- 1). Upon completing the essential Bluetooth pairing process as stated in the preceding section, press 'Volume Up' under the standby mode to access the Bluetooth Mobile Headset's 'Multiple Bluetooth devices pairing mode'.
- 2). Repeat the foregoing pairing process to complete the pairing step. [Note 1]

Caution: With communication between a Bluetooth Mobile Headset and Bluetooth mobile phone requiring the so-called 'Bluetooth Link', a requisite before enabling this feature lies in disconnecting the Bluetooth link on both the Bluetooth Mobile Headset and Bluetooth mobile phone. With the present Bluetooth link modes between a Bluetooth Mobile Headset and Bluetooth mobile phone that come in two methods – the 「always-on link」 and the 「on-demand link」. 「always-on link」 means that the Bluetooth link stays on once it has been made between a Bluetooth Mobile Headset and handmobile phone and the 「on-demand link」 means the Bluetooth link was established only when a voice call has been made. While with a majority of Bluetooth mobile phone sold on the market that tend to fall under the 「on-demand link」 category, you will need to disconnect the Bluetooth link on most of the always-on link」 Bluetooth mobile phone, such as Nokia 8910, by pressing the 'Connect' and Volume Down' buttons to discount the linkup and access the second Bluetooth mobile phone pairing mode. Please refer to your Bluetooth mobile phone manual for description pertaining to accessing Bluetooth connecting mode. [Note 2]

Note 1: When connecting your Bluetooth Mobile Headset with three Bluetooth-enabled mobile phones , you would be able to pick up an incoming call using your Bluetooth Mobile Headset from any one of the three Bluetooth mobile phones .

Note 2: Upon disconnecting the Bluetooth link, you may reconnect your Bluetooth Mobile Headset with a Bluetooth mobile phone that has already been paired simply by pressing the Bluetooth Mobile Headset's 'Connect ' button to access a link with the programmed Bluetooth mobile phone, where press once to link up with the first handset, twice with the second handset, so on and so forth.

■ LED indicator and ringer cue

The Bluetooth Mobile Headset comes with two LED indicators, where the red serves as the status indicator, and the blue as RF indicator; the corresponding statuses shown by a combination of LED indicator lights are recapped as follows,

Summary of Indicator Display	
Earphone status	LED indicators prompt the statuses
Offline status	LD indicators all off

Standby status	The blue LED flickers at the interval of every 3.5 seconds
Charging	Rapid recharge: The red LED comes on Slow recharge: The Green LED flickers at the interval of every second
Fully charged	The green LED comes on
Low power	The red LED flickers at the interval of every second
Pairing status	Headset mode: The blue and red LEDs flicker alternative at every 1.5 seconds Handset mode: The green and red LEDs flicker alternative at every 1 second
Incoming call status	The red, yellow, green, blue, cobalt and purple LEDs sequentially alternate at the interval of 0.5 second
Bluetooth linkup status	The blue LED flickers once every two seconds
Mute mode	The purple LED flickers once every second
Low signal alert	The cobalt LED flickers once every second
Reset	The white LED stays on for 5 seconds
Summary of ringer types	
Earphone status	Ringer display status
On	Ringer on
Off	Ringer off
Accessing headset pairing mode	Two consecutive low beeps
Accessing hands-free pairing mode	One low pitch and one high pitch ringer
Pairing succeed	Pairing succeed melody
Incoming call ringer status	Incoming ringer on handset, or incoming ringer on earphone
Mute mode	Cue beep sounds off once every three seconds
Low signal alert	Cue beep sounds off once every three seconds
Voice dialing	The same cue beep as the handset setting

■ Reset

To reset your Bluetooth Mobile Headset to default setting, you would simply proceed by pressing 'Connect', 'Volume Up' and 'Volume Down' buttons simultaneously to reset the Bluetooth Mobile Headset to the initial default setting,

where the pairing data stored will be erased and the unit would need to undergo a new pairing process.

3. Begin to operate the Bluetooth Mobile Headset

■ Making a call

Make sure that a Bluetooth link has been established between your Bluetooth mobile phone and the Bluetooth Mobile Headset. In general, most of the Bluetooth mobile phones often come with a symbol indicating that the Bluetooth function has been enabled; for instance, a earphone icon would appear on a Nokia 8910 unit of the screen of most of the Bluetooth mobile phones. At such time, you may either wear the headset and dial from the handset, or press the Bluetooth Mobile Headset's 「Connect」 button to activate the voice dialing function. [Note 1]

Note 1: The voice dialing function may vary from different handset maker; consult your handset manual for description.

■ Receiving a calls

When there is an incoming call on your Bluetooth mobile phone, and except that your Bluetooth Mobile Headset is on a standby mode, you will hear the incoming call ringer that beeps at your earpiece, upon which, you may press the 'Connect' button once to receive the call.

However, in the event of an incoming call and that your Bluetooth Mobile Headset is turned off, please start up the Bluetooth Mobile Headset and press once the 'Connect' button to receive the incoming call.

If your handset is tuned to auto call receiving, you may access the auto call-receiving mode directly without pressing the 'Connect' button.

■ Forwarding a calls

To forward your calls from mobile phone to the headset, please press the 「connect」 button to transfer. [Note 1]

To forward the calls from headset to mobile phone, consult your handset manual to operate or disconnect the Bluetooth Mobile Headset to terminate the Bluetooth link to forward the calls to your mobile phone.

Note 1: The function may vary subtly due to different makes of handsets; consult your handset manual for additional information.

■ Ending a calls

To terminate a call while wearing the Bluetooth Mobile Headset, simply press the

'Connect' button or your mobile phone's End button to terminate a call, or wait for the call to terminate automatically as the party you speak to hangs up the phone.

- Mute

Under a call, you may press the 'Volume Up' and 'Volume Down' buttons simultaneously to access the mute function, where the party you are speaking to will no longer be able to discern your voice; to undo the mute function, simply press simultaneously the 'Volume Up' and 'Volume Down' buttons, and the function is also automatically canceled as soon as a voice call has been terminated.

- Volume control

While on a voice call via the Bluetooth Mobile Headset, you may press the 'Volume Up' button or 'Volume Down' button to increase or decrease the volume of voice communication, where the headset presently comes with a 15-increment voice volume control, with which pressing up once to increase the volume or down to decrease the volume by one notch at a time until reaching maximum or minimum. Adjust the feature to a level that best suits your preference, which will be recorded in your Bluetooth memory readying for voice prompting at the preprogramming volume level on all subsequent calls.

- Redial [\[Note 1\]](#)

Press the 'Volume Up' and 'Connect' buttons simultaneously to redial the last call made.

[Note 1: Caution, the function only supports the Bluetooth mobile phones with the hands-free profile enabled; in addition, to enable the function, you will also need to access the Bluetooth link between the Bluetooth Mobile Headset and Bluetooth mobile phones.](#)

- Low power alert

When the battery power runs low, your Bluetooth Mobile Headset will emit an alert cue to the earpiece and the Red Led on the unit will begin to flicker reminding you to recharge the unit.

- Low signal alert

Whenever the distance of your Bluetooth mobile phone and your Bluetooth Mobile Headset should exceed the designated range of connectivity, or when the voice quality has become fuzzy due to excessive interference, the Bluetooth Mobile Headset will emit an alert cue to the earpiece; at such time, you may want to narrow the distance between your mobile phone and headset to obtain a higher quality of voice communication.

4. Troubleshooting

1). No voice linkup between the Bluetooth mobile phone and the Bluetooth Mobile Headset

- ▶ ☐ Ascertain that your Bluetooth mobile phone has had the Bluetooth function enabled and verify that it has indeed been linked to the Bluetooth Mobile Headset.
- ▶ ☐ Verify that the Bluetooth Mobile Headset has been fully charged and is switched to an open mode.
- ▶ ☐ Ensure that your Bluetooth mobile phone is kept within a valid communication distance from the Bluetooth Mobile Headset; an optimal distance of communication has been recommended at within three to seven meters.

2). Auto shutdown during active cycle.

- ▶ ☐ A low battery may prevent the Bluetooth link from working properly and lead to auto shutdown during call service, hence it is cautioned to watch for the Bluetooth's low battery indicator.
- ▶ ☐ Please ensure that the battery cover is secured reattached following a battery replacement to avoid the Bluetooth unit's automatic shutdown as the battery may fall out.
- ▶ ☐ Abnormal working temperatures may also lead to the Bluetooth Mobile Headset to shut down abnormally, hence it is cautioned that the Bluetooth Mobile Headset be operated according to the specified working temperature provided in the specification list.

3). Voice dialing is not operating properly.

- ▶ ☐ Please double check that your mobile phone supports voice-dialing function.
- ▶ ☐ Please ensure that your voice label has been stored on the handset.
- ▶ ☐ Please try to access the function in a less noisy location.

4). Blinking red indicator

- ▶ ☐ Low battery power will trigger the red LED to flicker; please replace the unit with a new battery as soon as you can.

5. Bluetooth Mobile Headset specifications

Bluetooth version	Bluetooth V 1.1 compliant
Call Distance	10 meters
Audio Codec	13 bits resolution , S/N > 60dB
Frequency Band	2.4GHz~2.4835GHz ISM Band
Bluetooth profiles Supported	Headset / Hands free Profile
Transmitter Power	Class 2/3
Connection	Point-to-point
Weight	22g
Transmit Power	1mW
Typical Talk Time	Up to 3.5 hr
Typical Standby Time	Up to 400 hr
Security	56-bit encryption
Power Consumption	30mA(working) ; <1mA(standby)
Battery Type	Li-polymer rechargeable battery
Operating Temperature	0 ~ 55 degree C
Storage Temperature	-20 ~ 60 degree C
Humidity	10% ~ 90%, non-condensing
Certification Approval	CE , FCC , BQB

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.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

15.105 Federal Communications Commission (FCC) Requirements, Part 15

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.

Regulatory information/Disclaimers

Installation and use of this Bluetooth Mobile Headset must be in strict accordance with the instructions included in the user documentation provided with the product. Any changes or modifications (including the antennas) made to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment. The manufacturer is not responsible for any radio or television interference caused by unauthorized modification of this device, or the substitution of the connecting cables and equipment other than manufacturer specified. It is the responsibility of the user to correct any interference caused by such unauthorized modification, substitution or attachment. Manufacturer and its authorized resellers or distributors will assume no liability for any damage or violation of government regulations arising from failing to comply with these guidelines.

CE Declaration of Conformity

For the following equipment: Notebook with WLAN module

CE 0984 

Is herewith confirmed to comply with the requirements set out in the Council Directive on the Approximation of the Laws of the Member States relating to Electromagnetic Compatibility (89/336/EEC), Low-voltage Directive (73/23/EEC) and the Amendment Directive (93/68/EEC), the procedures given in European Council Directive 99/5/EC and 89/336/EEC.

The equipment was passed. The test was performed according to the following European standards:

- EN 300 328-2 V.1.2.1 (2001-12)
- EN 301 489-1 V.1.3.1 (2001-09) / EN 301 489-17 V.1.1.1 (2000-09)
- EN 60950: 2000