

Bluetooth Handsfree Speaker

蓝牙车载免提

User Manual

用户使用手册

BT HF361



 Bluetooth®

**Declaration:**

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**The company reserves rights to make any changes and improvements to the product described in this document without prior notice.**

**Notice :**

**Please make sure your mobile phone supports Bluetooth profiles and network operator supports the functions described in this manual, otherwise the relative functions cannot be realized on this Handsfree device.**

**Safety**

- Use the charger that comes with package.
- Caution, risk of explosion if battery is replaced by an incorrect type.
- Check the laws and regulations on the use of mobile phones and handsfree equipment in the areas where you drive. Always give full attention to driving and pull off the road and park before making or answering a call if driving conditions require.
- Do not allow children to play with your Bluetooth Handsfree Speaker since it contains small parts that could become detached and create a choking hazard.
- This device contains a Li-polymer battery. Please keep it away from fire anytime (including discarding the device) or the battery may explode.
- The Handsfree Speaker, especially the embedded battery must be properly disposed or may be recycled, contacts your local recycling centers for disposal methods.

## Certification and Safety Approvals

This product has been tested and found to comply with Bluetooth BQB requirements, part 15 of FCC rules, R&TTE Directive (99/5/EC) or CE marked requirements. Users should not make changes or modify the device in any way. Changes or modifications without expressly approved by the party responsible for compliance could void the user's authority to operate the device.

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.

## FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE STATEMENT

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.

### **CAUTION:**

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

### **RF exposure warning .**

This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

### **CE command:**

ETSI EN 301 489-1 V1.6.1(2005-09);  
ETSI EN 301 489-17 V1.2.2(2002-08);  
ETSI EN 300 328 V1.6.1(2004-11);  
IEC 60950-1:2001,EN 60950-1:2001+A11:2004

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## 1. Introduction

### 1.1 Bluetooth Technology

Bluetooth is an internationally standardized technology supporting short distance wireless communications. Any two Bluetooth-compatible equipments can wirelessly communicate with each other via Bluetooth connection.

Though line-of-sight is not required, Bluetooth connections could be subject to interferences from obstructions such as walls, human bodies, and other electronic devices. In addition, due to variations on product implementation, it is likely that Bluetooth equipments from different manufacturers have interoperability issues. In that case, you may consult with manufacturers to check product compatibility.

**Note** that, there could be some restrictions imposing on using Bluetooth devices in some countries. Please check with your local authorities.

### 1.2 Bluetooth Handsfree Speaker

This Bluetooth handsfree speaker is a specially designed product allowing car drivers to make and receive calls without holding a mobile phone. It provides a clean wireless audio connection with your Bluetooth mobile phone and PDA.

In addition to vehicle environment applications, this portable equipment, supported by an internal rechargeable Li-ion battery, can also be used in office environment as normal handsfree equipment to make/receive conference phone calls. It can also be placed beside a Bluetooth-enabled PC to make voice calls over the Internet.

### 1.3 Product Features

- Bluetooth 2.1+EDR compliant, and data rate up to 2.1 Mbps
- Class II, operating range up to 10 meters
- Support HSP, HFP profile
- Compatible with most Bluetooth-enabled devices such as cellular phones, PDAs, and computers for voice communication
- Support up to 8 handset pairing info simultaneously
- Best-in-class voice quality ensured by cutting-edge noise suppression and echo cancellation techniques

- Voice security ensured by using 128-bit encryption
- Better portability with internal rechargeable battery
- Low power consumption; the headset supports up to 3.5 hours talk time and 150 hours standby time, while the handsfree with up to 5 hours active time and more than 300 hours standby time.
- Easy-to-mount with Sun visor clip
- Robust performance, fast connection, accurate and sensible search of devices in range
- Stylish, portable, lightweight, mini-sized, suitable for vehicle and office environment

#### 1.4 Package Contents

- BTHF361(include a master handsfree car kit and a headset) 1
- 12/24V Car Charger Set (or Traveling Charger Set optional) 1
- User Manual 1

#### 1.5 Overview

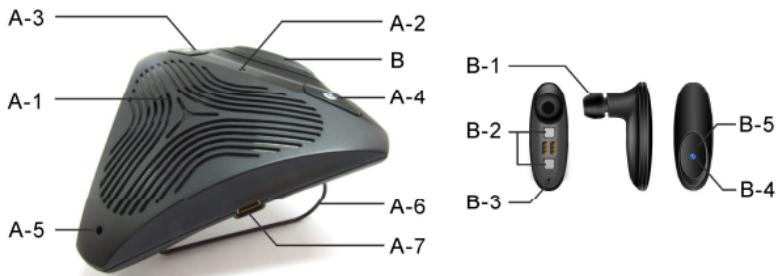


Figure 1 Overview

##### A: Master Handsfree Car Kit

- A-1. **Speaker:** Voice delivery.
- A-2. **Red LED:** Indicate device status.
- A-3. **Button :** Volume up.
- A-4. **Button :** Volume down.
- A-5. **Microphone:** Voice pick-up.

- A-6. Sun-visor Clip:** Fix the device onto sun-visor
- A-7. Charging Port** : Connect to the travel (or car) charger to charge the battery of device.

**B: Headset**

- B-1. Earphone:** Voice delivery.
- B-2. Magnet:** Adsorb headset onto handsfree
- B-3. Microphone:** Voice pick-up.
- B-4. Red/Blue LED:** Indicate device status.
- B-5. Main Button:** Turn on/off headset, pair, receive, reject and end call, etc.

## 2. Using Your Handsfree

### 2.1 Battery Charging and Usage

#### 2.1.1 Battery Charging

This device contains a rechargeable Li-Polymer battery. First-time charging time is about 4 hours. Later-on recharging time is around 2-3 hours. Detailed charging procedures are as follows:

##### **Master Handsfree Car Kit :**

1. Connect the car charger to the cigarette lighter, or plug the USB cable into PC.
2. Referring to Figure 2, plug the connector of the charger to handsfree's charging port to start charging. The Red LED will be on during charging. Once the Red LED turns off, the battery is fully charged and you should disconnect the charger from the handsfree and the power outlet.

##### **Headset:**

1. Place the headset into its seat on the master handsfree car kit.
2. The master handsfree car kit will charge the headset with its remaining battery power without being connected with power outlet. If there is no remaining power of the battery, you need to take above steps to charge the handsfree and headset.

Note that once the headset is placed into the seat, it will be charged by the master handsfree automatically until the handsfree runs out of power or the headset is fully charged.



Figure 2 Battery Charging

You can also use the USB charging cable to charge the device on your PC, which will take longer to charge as the power output of the USB port is lower than it is with the car charger.

*Note:*

1. *It is recommended to charge your device when it is not in use.*
2. *Please note that "inserting" charger will cause a device reset and power off. The existing connection between the device and the mobile phone will be disconnected.*

### **2.1.2 Battery Information**

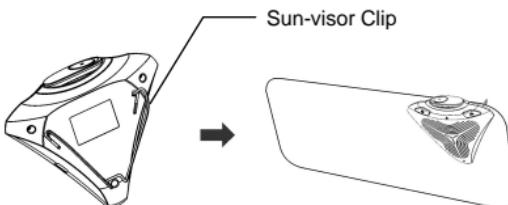
1. Once fully charged, BTHF361 headset supports continuous talk time up to 3.5 hours and standby time about 150 hours and the master handsfree car kit can work up to 5 hours and standby for more than 300 hours.
2. When the battery is low, the Red LED will give 2 blinks per 3 seconds, and then you need to charge the battery as described above.

*Note that, over-charging will reduce battery life. If a fully charged battery is left unused, it will lose power over time. Extreme temperature (either too hot or too cold) will also affect its ability to charge, capacity, and lifetime.*

### **2.2 Mounting your Handsfree**

This Handsfree device can be easily mounted inside the car by using the companion Sun-Visor Clip to fix the product on the sun-visor over the driver's seat.

*Note that, the microphone of the Handsfree must aim at the sound bearing.*



**Figure 3 Fixing the Sun-visor Clip**

*Note that, the sun visor clip is an integrated design with the product and users shall not try breaking it apart from the product, or damages will be caused.*

With great portability and flexibility, this device can also be used outside of such car environment such as in office and/or at home.

## 2.3 Turning On/Off Handsfree

**Turning on the Handsfree:** Press and hold main button for 1 second, you will hear 3 power-up tones. The Blue LED gives 2 blinks per 2 seconds; the Red LED is off. This indicates the handsfree is power on.

**Turning off the Handsfree:** Press and hold main button for at least 2 seconds, you will hear 1 key tone and 4 power-down tones. The Red and Blue LEDs will both be on for 1 second and then be off. This indicates the handsfree is power off.

## 2.4 Pairing/Connecting your Handsfree with Bluetooth Equipment

### 2.4.1 Pairing your Handsfree with Bluetooth handset

Before making and answering calls, you must pair your handsfree and phone. Pairing sets up a unique relationship between your handsfree and your handset. The handset will memorize the handsfree's unique ID (or passkey). This ensures that a unique and encrypted wireless link between your handsfree and handset will be used during calls.

Detailed operation procedures are as follows:

1. Place your handsfree close to your Bluetooth handset, and ensure your handsfree is power off while your handset is power on.
2. Press and hold main button for at least 3 seconds until the Blue and Red LEDs alternate continuously. You will hear 3 power-up tones and a high pairing tone to indicate that the handsfree has successfully entered pairing mode.
3. Follow your phone user guide to activate Bluetooth device search on the phone side, on your phone screen you will see a list of Bluetooth equipment found by the phone at the end of the searching process. Select this Bluetooth Handsfree from the list 'BTHF361', and initiate pairing following handset's on-screen prompts.
4. Continue to follow on-screen prompts to enter passkey "0000" and confirm to pair the handsfree with your handset. Once the pairing procedure is completed, you will hear a high connecting tone, and then Blue LED gives 3 quick blinks per 2 seconds. It indicates that the handsfree device and the handset are paired and connected.

**Note:**

1. *If pairing is successful, handsfree's Red LED is off. The Blue LED gives 3 quick blinks per 2 seconds. If your handset shows that pairing is failed and the handsfree is still in the paring mode, you need to go back to above steps 3-4 to repeat the pairing process.*
2. *Your handsfree will remain in the pairing mode for about 2 minutes. If pairing cannot be finished within 2 minutes, the handsfree will enter into the standby mode (without Bluetooth connection in this case). You need to turn the handsfree off and then repeat the above steps 2-4 to restart the pairing process.*

### **2.4.2 Connecting your Handsfree with Bluetooth Equipment**

This handsfree can be paired with up to 8 Bluetooth equipments (including mobile handsets). The corresponding 8 sets of pairing information are recorded by the handsfree. Each paired equipment can be wirelessly communicated with the handsfree after setting up a Bluetooth connection.

#### **Connecting your Handsfree with Bluetooth Handset:**

Initiating a request from either the handsfree or the handset can set up Bluetooth connection. Detailed operations are as follows:

1. Initiating connection request from the Handsfree: Place the handsfree close to the Bluetooth handset and then press main button.
2. Initiating connection request from the Bluetooth handset: Place the handsfree close to the Bluetooth handset and then follow the handset user guide to find the handsfree and send connection request.

After connecting, you will hear a high connecting tone. The Blue LED gives 3 quick blinks per 2 seconds

## **2.5 Call Functions**

### **2.5.1 Basic Call Operations**

Before dialing, both your handsfree and handset must be power on. And you also need to ensure your handsfree and handset have been linked with Bluetooth connection.

**Answer Call:** Press main button.

**Reject Call:** Press and hold main button for 1 second.

**End Call:** Press main button.

**Redial:** Press and hold main button for 1 second.

### 2.5.2 Voice Dialing

If the connected handset supports voice dialing, you can press main button to activate voice dialing. Before using voice dialing, you must record voice tags in your handset. Please refer to your handset manual for detailed descriptions on how to set up voice dialing and recording voice tags.

### 2.5.3 Transferring Calls to/from your Handset

Transferring calls to your handset: Press and hold main button for 1 second.

Transferring calls from your handset: Press and hold main button for 1 second.

### 2.5.4 Volume Adjustment

When in the connected or talk/play mode, you can adjust sound volume up or down by pressing and holding buttons  or  for 1 second respectively. You can repeat the above operation until the speaker volume reaches a desirable level.

**Note:** For most Bluetooth handset, handsfree volume control will synchronize with the handset. That is, the sound volume of your handsfree can be controlled by your handset, vice versa. However, this may not be always true due to variations on handset implementations chosen by different manufacturers.

## 2.6 Two-Link Operation

Compared with the ordinary Bluetooth handsfree devices in the market which can only connect to one single handset at one time, BTHF361 allows you to connect with two paired handsets simultaneously. Thus, this is very convenient for users with two handsets.

### 2.6.1 Connecting with Two Handsets Simultaneously

To connect with two paired handsets you can:

1. Pair and connect the handsfree with each handset respectively and turn it off.  
(Refer to Section 2.4.1 for pairing procedures)

2. Switch on the handsfree. The handsfree automatically starts to connect the last two connected handsets.

When two handsets are connected with the handsfree, the first connected one works as the primary device and the other the secondary.

Any operation initiated from the handsfree side, such as redialing and voice dialing, will only be applied to the primary device. If you want to initiate the operation for the secondary device, you must disconnect with both two handsets, and then connect with the secondary device only.

Operations initiated from either handset shall be applied to the handsfree as usual.

### **2.6.2 Call Operations**

When two handsets are both connected to the Handsfree:

1. If only one handset receives a call, the call will be transferred to the handsfree and all call operations will be the same as in the case of single connection.
2. If both of the connected handsets receive incoming calls at the same time, only the first call will be transferred to and controlled by the handsfree (call waiting and conference call are also controlled by the handset which receives the first incoming call). After the first call is terminated, the call on the other device will transfer to the handsfree automatically.

### 3. Quick User Guide

You can follow the instructions listed in Table below to operate your handsfree devices. (Please refer to section 1.5 for details of key and key press duration definitions.)

FUNCTION	CURRENT STATUS		OPERATION	HANDSFREE INDICATOR	
	HANDSET	HF		AUDIO TONE	HF
Turn On		Power Off	Press and hold main button for 1 second	3 power-up tones	Blue LED gives 2 blinks per 2 seconds
Turn Off		Standby	Press and hold main button for at least 2 seconds	1 key tone and 4 power-down tones	Red and Blue LEDs will both be on for 1 second and then off
Enter pairing mode		Power Off	Press and hold main button for at least 3 seconds	3 power-up tones and a high tone	Blue and Red LEDs alternate continuously
Pair handsfree with handset	Power on	Pairing mode	Follow your handset user guide to complete pairing procedure. Passkey is "0000"	1 low tone	Blue LED gives 2 blinks per 2 seconds
Connect (handsfree with handset)	Standby (disconnected)	Standby (disconnected-ed)	Press main button or set up connection from the handset	1 high connecting tone	Red LED gives 3 quick blinks per 2 seconds
Answer Call	Incoming call	Incoming call	Press main button	1 high long tones	Blue LED gives 1 slow blink per 0.5 second

Reject Call	Incoming call	Incoming call	Press and hold main button for 1 second	2 high tones	Blue LED gives 2 quick blinks
End Call	Talk	Talk	Press main button	1 short tone	Blue LED gives 3 quick blinks per 2 seconds
Last number Redial	Standby	Standby	Press and hold main button for 1 second	1 short tone	Blue LED gives 1 quick blink per 0.5 seconds
Voice Dialing	Standby	Standby	Press main button	1 short tone	Blue LED gives 3 quick blinks per 2 seconds
Volume up	Talk	Talk	Press and hold button  for 1 second	No indication	No indication
Volume down	Talk	Talk	Press and hold button  for 1 second	No indication	No indication
Low Power Warning		Except power off	Power off	No indication	Red LED gives 2 blinks per 3 seconds
Call Transfer (handsfree to handset)	Talk	Talk	Press and hold main button for 1 second	Key tone	Blue LED gives 1 quick blink per 0.5 seconds
Call Transfer (handset to handsfree)	Talk	Talk	Press and hold main button for 1 second	Key tone	Blue LED gives 1 slow blink per 0.5 seconds

#### 4. Maintenance

BTHF361 is a well-designed communications device; careful maintenance and proper use will extend the product life and keep its elite performance in delivering voice and music. Following maintenance procedures may be helpful to you:

- Always turn off power and keep your device in a safe place when it is not in use
- Keep the device dry, away from water, precipitation, humidity, moisture, and various liquids that may corrode electronic circuits. If your device gets wet, turn it off immediately and wait until the device gets dry completely before using it
- Keep the device away from dusty and dirty places. Otherwise, the mechanic and electronic parts could be damaged
- Do not store the device in high temperatures or in direct sunlight. Extreme high temperature could degrade performance, reduce battery lifetime, and warp or melt the certain plastics.
- Do not store the device in too cold place. Moisture could form inside the device when you take it to a warm place. This could damage the internal electronic circuits.
- Avoid dropping, knocking, and shaking the device. The mechanical parts and the internal electronic circuits could be broken.
- Avoid using harsh chemicals, cleaning solvents, and any other strong detergent to clean the device. You may use a clean and slightly damp cloth to clean the device
- Always take the device to the nearest authorized service facility for repairing if it is malfunctioning. Disassembling, modifying, and replacing components yourself could degrade product performance, cause damages, and terminate warranty

## 5. Important Messages and Frequently Asked Questions

### **Q1. Power off :**

Low battery indicator; please recharge your battery as soon as possible.

### **Q2. Can't power up the device after charging more than 20 minutes:**

For first time use, the device should be charged at least 40 minute in advance. It is recommended that the battery should be fully charged before using the device.

### **Q3. Without charging indicator:**

When the battery runs off or the handsfree has not been used for a while, the Red LED may take a while to light up after the charger connected.

### **Q4. Can't hear anything on handsfree: you should check the followings**

- Handsfree is power on
- Handsfree has paired with a handset
- Handsfree has connected with a handset (except the handset only supports headset Profile)
- Handsfree and handset are within 10m
- Handsfree and handset have good single strength

### **Q5. Does the paired handsfree or the paired handset need to be repaired after power off:**

No. Please note that for the handset supports handsfree profile, the handsfree and the handset must be connected first before making/receiving.

### **Q6. Voice dialing does not work:**

First check whether or not the handset supports voice dialing function. Then make sure you have recorded the voice tag. Please note that noisy environment may affect voice dialing.