

Charging input voltage/current	DC 5V --- 500mA
Charging time	Approx. 2.5 hours
Working temperature	-10~45°C
Storage temperature	-20~60°C
Dimensions	90×47×17mm
Weight	55g

Note:

1. This Bluetooth hands-free kit complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This Bluetooth hands-free kit may not cause harmful interference, and (2) it 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.

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6. Automatic switching off
ABT500 will switch off automatically, if it can't be connected to any device after 10 minutes.

7. LED indicator and indication tone

Status of ABT500	LED indicator	Indication tone
Charging in progress	Red LED is on	
Charging finished	Red LED is off	
Pairing mode	Red and blue LEDs flash alternately	
Standby mode (not connected to a Bluetooth device)	Blue LED flashes once every 2 seconds	
Standby mode (connected to a Bluetooth device)	Blue LED flashes once every 30 seconds	
Incoming call	Blue LED flashes quickly	
Conversation mode	Blue LED is on	
Conversation mode (microphone muted)	Blue LED is on	2 tones every 5 seconds
Low power	Red LED flashes twice every 10 seconds	Three "Dong" tones every 10 seconds

■ Care and maintenance

Read the following recommendations before using ABT500. Following these you will be able to enjoy our product for many years.

- ◆ Keep it dry and don't put it in the damp place to avoid the product's internal circuit being affected.
- ◆ Keep the product away from direct sunlight or hot places. High temperatures will shorten the life of electronic devices, destroy the battery or distort certain plastic parts.

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ABT500

Bluetooth Hands-free Kit

User's Manual

Welcome to use this Bluetooth hands-free kit, ABT500. Please read this user's manual carefully before use.

■ Brief introduction

1. Bluetooth wireless communication technology

Bluetooth is a standard of close range radio-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 ABT500

ABT500 is a portable Bluetooth hands-free kit. It adopts echo cancelling technology and provides high-level sound quality. At the same time, it has simple hands-free operation. It can be used with Bluetooth cell phones and PDAs supporting Headset Profile or Hands-free Profile. It has the following features:

- ◆ Answer call, end call and reject call
- ◆ Redial last number
- ◆ Voice dial (This function needs to be supported by your cell phone)
- ◆ Call transfer—Transfer call between ABT500 and your Bluetooth cell phone
- ◆ Microphone mute—Microphone is mute during conversation
- ◆ Adjust the volume

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ABT500 **Bluetooth hands-free kit** **User's manual**

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- ◆ Don't expose the product to cold areas. It may damage the internal circuit board.
- ◆ Don't try to disassemble the product as it may get damaged if you are not professional.
- ◆ Don't let it fall down onto the floor or other hard surfaces. The internal circuit might get damaged.
- ◆ Don't use intensive chemical products or detergent to clean the product.
- ◆ Don't scratch the surface with sharp things.

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

■ **FAQs**

1. Why is there no sound when making a call with ABT500?

- Ensure ABT500 connects well with Bluetooth cell phone;
- Ensure the volume has already been properly adjusted.

2. What to do when my cell phone can't find ABT500?

If ABT500 is not in pairing mode, your cell phone can't find it. Please ensure ABT500 is in pairing mode and in the effective working range.

3. What to do when the conversation is not clear?

- Ensure your cell phone is in strong-signal areas;
- Ensure ABT500 is in the effective working range.

c) How far is the effective range between ABT500 and Bluetooth cell phone?

According to the Bluetooth standard, the max. controllable range of Class 2 hands-free kit is 10 meters. But it varies with different environment and paired cell phones.

■ **Specifications**

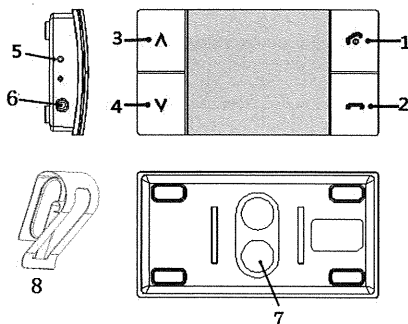
Bluetooth version	Bluetooth V2.1
Bluetooth profiles	HSP and HFP
Operating distance	10 meters
Working time	Up to 10 hours
Standby time	Up to 450 hours

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■ **Before use**

1. Overview

Bluetooth hands-free kit with magnet



1	☎ button—switch on/off, pairing, answer call, voice dial, redial last number, microphone mute and call transfer
2	☎ button—End call and reject call
3	▲ button—Volume up
4	▼ button—Volume down
5	Microphone
6	Charging port
7	Magnet
8	Metal clip

2. Charging the battery of ABT500

First use—You must charge its rechargeable battery fully before first use.
 Low power—When you hear three “Dong” tones every 10 seconds or see the red LED flashing twice, the battery is low power and needs to be charged.

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Function	The status of ABT500	Operation	Indication tone
Redial last number	Standby mode (connected with a Bluetooth device)	Continuous short press ☎ button twice	There are indication tones
Voice dial	Standby mode (connected with a Bluetooth device)	Short press ☎ button once	There are indication tones

Remarks:

- ◆ Not all cell phones support all the functions listed above. Please refer to your cell phone's user's manual.
- ◆ 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 transfer the call to the hands-free kit manually then. Please refer to your cell phone's user's manual for further information.

5. Re-connecting with a Bluetooth device

1) Automatic connecting

Every time ABT500 is switched on, it will connect to the last connected device automatically.

2) Connecting manually











When ABT500 gets disconnect from the Bluetooth device, short press ☎ button once, it will connect to the last connected device again.

Remarks:

- ◆ ABT500 only tries to connect to the last connected device that supports Hands-free profile (HFP).
- ◆ Please enable Bluetooth on your Bluetooth device before trying to connect.
- ◆ On some Bluetooth devices, like some Nokia cell phones for example, you have to allow automatic connecting.

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4. Making calls with ABT500

Function	The status of ABT500	Operation	Indication tone
Cancel calling	Calling	Short press button once 	There are indication tones
Answer call	Ringing	Short press button once 	There are indication tones
Reject call	Ringing	Short press button once 	There are indication tones
End call	During a call	Short press button once 	There are indication tones
Volume up	During a call	Short or long press  button	
Volume down	During a call	Short or long press  button	
Mute the microphone	During a call	Continuous short press  button twice. When microphone is mute, ABT500 will sound 2 tones every 5 seconds	There are indication tones
Unmute the microphone	During a call (microphone mute)	Continuous short press  button twice	There are indication tones
Call transfer from ABT500 to cell phone	During a call	Press and hold  button for about 2 seconds, and release it when hearing indication tone	There are indication tones
Call transfer from cell phone to ABT500	Call transferring to cell phone	Press and hold  button for about 2 seconds, and release it when hearing indication tone	There are indication tones

The charging steps are as follows:

Step1: Connect the charger or charging cable to standard power outlet;
Step2: Connect the end of charger or charging cable to charging port of ABT500;

The red LED is on while charging. It takes about 2.5 hours to fully charge the battery. When charging has completed, the red LED will switch off.



Remarks:

- 1) The battery will dry up if you don't use ABT500 for a long time. If this happens you have to charge ABT500 for about 30 minutes before the LED indicator will be on.
- 2) Please don't attempt to take out the battery from ABT500, as this might damage it.






Warning:

- 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.

■ Using the hands-free kit

1. Switching on/off ABT500

Function	Operation	LED indicator	Indication tone
Switch on ABT500	Press and hold  button for about 3~5 seconds, and release it when the blue LED flashes	Blue LED flashes 3 time quickly	One tone

Function	Operation	LED indicator	Indication tone
Switching off ABT500	Press and hold  button for 4~5 seconds, and release it when the red LED flashes	Red LED flashes 3 times quickly	One tone
Entering pairing mode	Ensure ABT500 is off, press and hold  button for about 7~8 seconds and release it when red and blue LEDs flash alternately	Red and blue LEDs flash alternately	Two tones

Remark: Pairing mode will last 2 minutes. ABT500 will switch to standby mode automatically if it can't be connected to any device after 2 minutes. If you want to continue pairing ABT500 with a Bluetooth device, please switch off ABT500 first and enter pairing mode again.

2. Pairing ABT500 with a Bluetooth cell phone

Please make sure your cell phone is Bluetooth-enabled. Specific pairing steps may vary with different cell phones. Please refer to your cell phone's user's manual for further information. The general pairing steps are as follows:

- 1) Keep ABT500 and Bluetooth cell phone within 1 meter when pairing;
- 2) Enter ABT500's pairing mode (please refer to "Switch on/off ABT500");
- 3) Switch on the cell phone's Bluetooth function and search for Bluetooth devices. After the search is completed, select "ABT500" from the Bluetooth device list;
- 4) According to the indication, enter password or PIN No:"0000", and press "Yes" or "confirm";
- 5) After successful pairing, select "ABT500" from the Bluetooth device list and press "connect";
- 6) After successful connecting, the blue LED will flash once every 30 seconds.

Remarks:

- ◆ If the pairing is not successful, please switch off ABT500 and try re-pairing according to the step 1-6 mentioned above.
- ◆ After successful pairing, ABT500 and the Bluetooth cell phone will remember each other. ABT500 will not need to re-pair with the Bluetooth cell phone next time unless the pairing information is deleted because of a new pairing.
- ◆ ABT500 can remember 8 paired devices. When the number of paired devices exceed 8, the first one will be replaced.
- ◆ Every time you switch on ABT500, it will connect to the last connected devices automatically. If you want to pair it with other devices, please switch off the Bluetooth function of current Bluetooth device paired with ABT500 first and then pair ABT500 with the new device according to steps 1~6 mentioned above.

3. Installation

You can use ABT500 in your car, at home or in an office environment.

a) In-car usage

First attach the metal clip to the sun visor and stick ABT500 to the clip using the magnet. At last, adjust the angle of ABT500 to align the microphone towards the user's mouth to get the best conversation quality.



b) Office or home usage

When you use ABT500 in your home or office, detach the metal clip first and put ABT500 on a flat and solid surface to get the best conversation quality.