

SiZEN

Innovation

Recreation

Envirotment Protection



Sound Cap User Manual

PLEASE CAREFULLY READ THIS ENTIRE MANUAL BEFORE OPERATING
AND KEEP THIS MANUAL IN GOOD CONDITION FOR POSSIBLE FUTURE REFERENCE.

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SiZEN



1. Before Use

1. For the first time usage, fully charging the battery takes about 4 hours. And then recharge about 2 hours afterward.
2. In this manual, the connection mode for Bluetooth takes Bluetooth mobile phone for an example. Other Bluetooth devices should check its guidebook.
3. The identification for this product is **[SIZEN Speaker]**. By connecting from a Bluetooth device, choose **[SIZEN Speaker]** and enter the PIN code **[1234]**.

● About Patent :

This product is international patented and authorized by HTC Corporation.

● Installment matters needing attention :

§ Caution: Do not use the unsuitable specification USB line to charge. Use unsuited USB line to charge will damage this high precise electronic product or even cause the malfunction or an explosion.

- ⊙ Make sure there is no broken or any open track for its cover box.
- ⊙ Check the assembly all complete.
- ⊙ See if any flaw in your cap.
- ⊙ There is a power box in your cap. Please check if the box is close and the circuit board already fit inside the box.
- ⊙ It is not suitable to use this cap under heavy rain.
- ⊙ Do not touch the power box with wet hands.

2. Safety and Security

Please obey the instructions when using. In case of following situations, please contact your product service or the local agent.

Operation Caution



- Ⓢ Do not put anything into your cap. It may get an electric shock or cause short circuit damage.
- Ⓢ Do not spray any liquid into the cap. It may cause a short circuit or a fire.



- Ⓢ Do not plug in/out by a wet hand when connecting the product.
- Ⓢ Do not use wet hands to touch the joint to avoid getting electric shock.
- Ⓢ When thundering, it is better to turn off the power of the cap. If no, it may cause a electric shock or a fire damage.



- Ⓢ Do not try to disassemble this product yourself.
- Ⓢ This cap is a high precision electric product with the electrical circuit. Unavailable disassemble or remove its cover should damage the product and cause a breakdown. Suggested that you can contact your product service or the local agent if any bad condition.



- Ⓢ For your safety, turn off the power before clean the product.
- Ⓢ Use clean soft cloth to clean the cap.



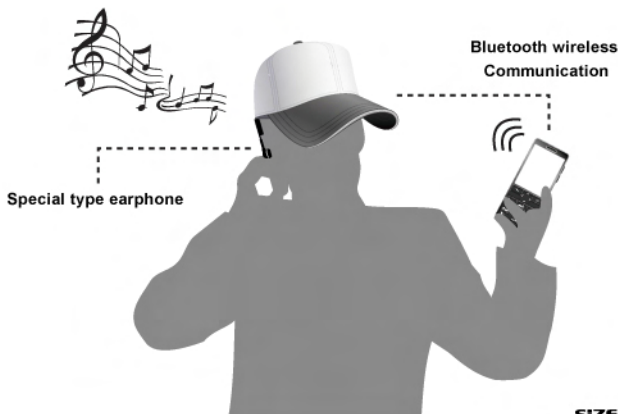
- Ⓢ Do not bend the brim of your cap with great exertion. It will influence your sound quality.
 - Ⓢ Use a brush to clean the sweat band and the brim of the cap slightly. Carefully brush with non-corrosive purge liquid.
 - Ⓢ Keep the product dry. Precipitation, humidity, and all types of liquids or moisture can contain minerals that will corrode electronic circuits. If your device does get wet, allow it to dry completely.
 - Ⓢ Do not attempt to open this high precision product.
 - Ⓢ Store the product in a dry place. Do not store in hot or humid areas.
 - Ⓢ You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your 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

This transmitter has been demonstrated co-location compliance requirement with any other antenna or transmitter .



3. Product Introduction

Sound Cap is a new style product fits to any kinds of models. Design for exercise and also fashion accessories, this product built in a slimmest speaker in the world, which is the international patented speaker authorized to use by HTC Corporation. Such a slim speaker is available to regulate the size with the brim of the cap. The break of the traditional heavy speaker with huge size, this slime speaker is not only light but also supply wider sound range because it covers the whole brim of the cap. Cast off fetter and restrict by cable of earphone, this cap is a really good product for listener. Applied many world patents, the product has Bluetooth function to transferring music and offering hands free communication. If the Bluetooth Device supported Bluetooth stereo audio, you can listen music through the cap. And adjust the music volume by press the Volume Up and Volume Down button. This Bluetooth cap can connect to a Bluetooth mobile phone, and automatically mutes the music when a phone call has been answered on this cap. Hang up the call, and then, the music will continue .An additional earphone of special type can be used for private phone call without bothering others. Easy to wear and making you feel more comfortable.

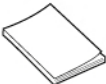






4. Product Feature

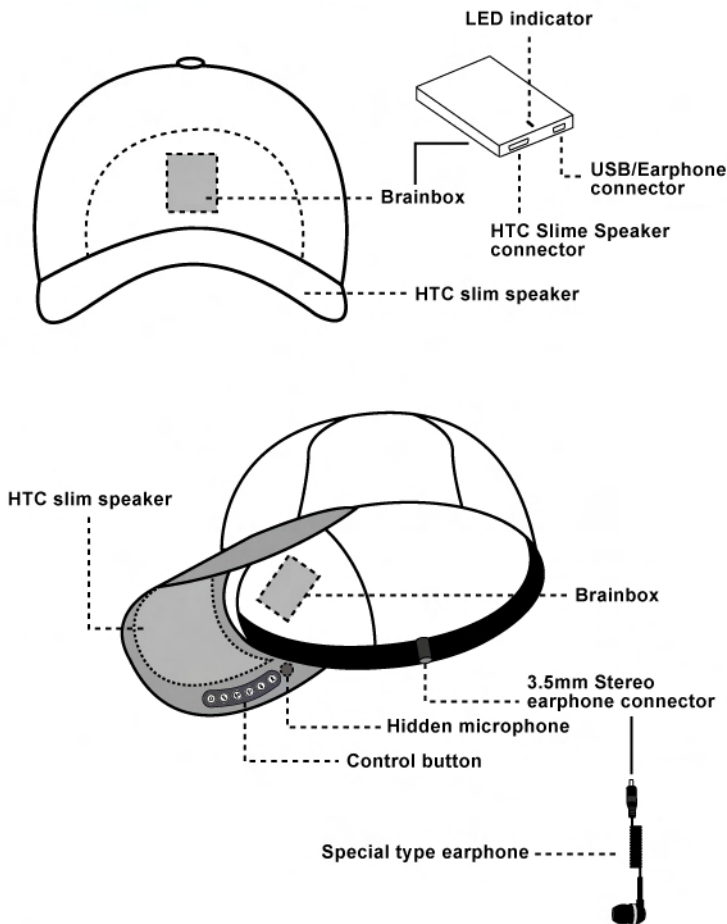
- Bluetooth V2.1 compliant
- LED indicator with Red and Blue light for easy use
- Dexterous design is handy for music listening and comfortable wearing
- Acoustic Echo Cancellation for stereo high quality sound
- Talk time for 6 hours, standby time is up to 160 hours (Depend on usage)
- Easy use USB to charge
- Operating range up to 10m (Depend on environment)
- Change to communication mode while music playing
- Additional earphone connection to avoid boring others in quite place

5. Accessories

The product accessories include as follows. If anything loss, please contact your product service.

		
User Manual x1	Warranty Card x1	USB x1
		
Sound Cap x1	Special type earphone x1	

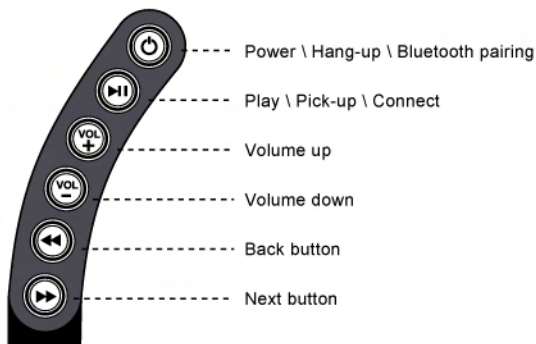
6. Item name & Function





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◎ Button illustration



◎ LED Indicator


Situation	Red LED	Blue LED
Trying to pair	Twinkle	Twinkle
Complete the pairing process	X	Twinkle
Operation mode	X	Twinkle
Calling	X	Twinkle
Talking	X	Twinkle
Low battery	X	X
Charging	Light	X
Battery full	Off	X

7. Operation


〈a〉 Full charge for the first time use

Charge via standard mini-usb, female normal USB line with the computer or via a Charging Charger transforming to 5V DC USB is available. The RED indicator on the brainbox will light on.


〈b〉 Power on

Press the power button  about 3 seconds as the LED Blue lights and comes a Beep voice than finish the open process. The Blue light will twinkle every 3 seconds.


〈c〉 Pairing

It is required to pair the cap with your Bluetooth mobile phone before use. Please see your phone operating manual about Bluetooth connection. Open the Bluetooth on your mobile and in the same time, press the pairing button  for 6 seconds - the three seconds is for power on and the next three seconds is for pairing mode. As pairing, the brainbox will twinkle with Blue and Red. Searching [**SiZEN Speaker**] from your mobile and enter the PIN code [**1234**] to connect the cap. It will come a Beep sound when finish the pairing process and Blue LED will twinkle every three seconds.

※ Attention

- 1.If fail to pair with the cap, you have to close the Bluetooth of your mobile and try again from step & <c>.
- 2.One cap is only available for one Bluetooth mobile phone using.
- 3.There is no more pairing process needed if connected before. When both of mobile and cap are in the power on situation, press Play button  once to connect is available. When shows the Blue flash for three times, the connection is complete.



〈d〉 Connection mode

As the pairing successes, the Bluetooth of your mobile also should connect with the cap to transform your music. After the first time using, the further uses only have to open the power and press the Play button  when Blue LED twinkles every three seconds. Because your mobile already paired to the cap before, it will be very easy for follow using. Blue light would flashe three times as connection succeed.

〈e〉 Play music

Choose [SiZEN Speaker] to Bluetooth broadcast, and use the media player of your mobile to play music after connection. The quality of the music depends on its content, and the better listening is to turn your mobile to the maximum volume first and adjust the buttons on your cap for the high quality sound effect. When you use this product to listen music, the Blue light on its brainbox would twinkles every three seconds.


〈f〉 Communication Mode

Dial the number on the mobile phone as you normally do. Once the call has been set up, the sound will be transmitted to your cap automatically. There is a hidden microphone in this cap for you to communication easily. If you are listening music in the same time, the music will be muted and if you want to pick up the phone, press the Play button . If you want to hang up the call, press the Play button  again, and then the music will continue.

〈g〉 Earphone mode

If connect the earphone to your sound cap, the music or the sound will come through the earphone, not the slim speaker of your sound cap. It is a special design for any quite place.

〈h〉 Power off

If you would like to turn off its power, press the Power button  for 3 seconds. When comes a Beep voice and shows a Red light, then the power of the cap has been close.

〈i〉 Recharge

Connecting the min-usb plug to the USB charge hole on the brainbox of the cap and charging about 2 hours to full the battery. When fully charge, the LED will light Blue.

※ Attention

There will no Blue light show up if the cap battery does not have the electricity.



8. Problems & Solutions

◎ When comes the problem about using, there are some solutions for reference.

- (a) Check the battery of the cap is fully charged.
- (b) The Bluetooth working range is 10m from your mobile to the cap. Be sure to use in the effective range and there is no other interference.
- (c) Recheck or reset the mobile setting and restart the pairing process to connect. Delete the original pairing mode and re-pair the device.
- (d) Restart your mobile and cap.
- (e) If there is no sound for your telephone conversation, check the Bluetooth of your mobile has connected to the cap.

Q1. May I change the PIN Code for the Bluetooth connection?

No. The [1234] is a Default pin-code pre-stored in the cap.

Q2. Why the voice from the cap would shut down suddenly?


There might be some problems as follow:

1. The cap battery may have no electricity. When the battery is almost running out, LED will flash in Red and should recharge soon.
2. The Bluetooth system of your mobile may crash. Although this kind of situation does not happen usually, restart your mobile to solve this problem.
3. Check if the earphone connector has been connected by an earphone.

Q3. How far can Bluetooth work for this product?

The effective range of Bluetooth devices is 10 meter. However, it depends on not only the environment and also your Bluetooth device. The Bluetooth is limited by interference from some miscellaneous signals. Some Bluetooth devices can only work less than 10 meters. Those issues will shorten the effective range.

Q4. Should I need to re-pair the cap to my mobile everytime?

No. If your mobile had succeeded in pairing with the cap, only press the Play button  under the power on situation of both. Operate the Bluetooth function in your mobile to connect the cap is available.

Q5. Why I cannot adjust the playback function on my cap?

Your Bluetooth Device has to support:

- 1.A2DP & AVRCP profile.
- 2.Use Windows Media Player to play music.

Q6. Which one should I choose when I search many Bluetooth devices?

When you operate the Bluetooth search function, choose [**SiZEN Speaker**] to connect the sound Cap.

9. Specification

Description	Sound Cap
Standard	Bluetooth 2.1 specification, Class II
Bluetooth Profile Supported	SP, HFP, A2DP, AVRCP Profile
Operating Range	10 Meters (33 feet)
Operating Frequency	02 GHz - 2.480 GHz ISM Band
Buttons	Pick up / Hang up / Power on / Power off / Pairing / StopPrevious / Next / Vol+ / Vol - / Play / Pause
Connection	int-to-Point
RF Output power	4.0dBm (Class II)
Power Supply	5V Li-polymer Battery.
Weight	135g
Operating Temperature	-10°C to 55 °C
Humidity	10% to 90%
Receiver Sensitivity	0.1% BER for all packet types -85dBm
Operation Current	45 mA (average volume)
Low Power Mode	< 1mA
Talking time	Up to 8 hrs
Standby time	Up to 200 hrs
SNR (DAC)	(DAC) 95 dB (48KHz)
SNR (ADC)	(ADC) 78 dB (44.1KHz)

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.

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

FCC RF radiation exposure statement:

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.