

SAMSUNG

 **Bluetooth**

Stereo Bluetooth Headset

SBH170

Contents

Getting started

Unpacking	4
Your headset overview	4
Button functions	5
Charging the battery	7
Putting on the headset	8

Before using your headset

Turning the headset on or off	9
Pairing the headset with a compatible phone	10
Connecting the paired headset to your phone	11

Using your headset

Using call functions	12
Using music control functions	14
Answering a call while listening to music	15

Care and maintenance

Storing the headset	16
Frequently asked questions	17
Certification and safety approvals	19
Warranty and parts replacement	21
Correct disposal of this product	22
Glossary	22
Specifications	24



Thank you

Thank you for purchasing the SBH170, Samsung Stereo Bluetooth Headset. We hope you will be satisfied with your new headset. Please read the instruction manual to get started and to make the best use of the headset's features.



Drive safely

Using a mobile phone while driving creates a distraction to the driver which may increase the likelihood of an accident.

When using the phone while driving, keep conversations short and do not make notes or read documents. Before answering calls consider your circumstances. Pull off the road and park before making or answering calls when driving conditions require (e.g. bad weather, high traffic density, presence of children in the car, difficult junctions or manoeuvres.)

Remember, driving comes first, not the call!

Abide by local laws.



Check phone compatibility

The SBH170 is compatible with most Bluetooth¹ (see Glossary) phones that are compliant with Bluetooth version 1.1 or higher and support Advanced Audio Distribution profile, Audio Video Remote Control profile, Headset profile, and Hands-free profile². Ensure that your phone has Bluetooth capability by visiting your phone manufacturer's website.

Getting started

This section explains what to remember for the proper use of your Bluetooth headset.

Unpacking



Stereo Headset



Carrying Case

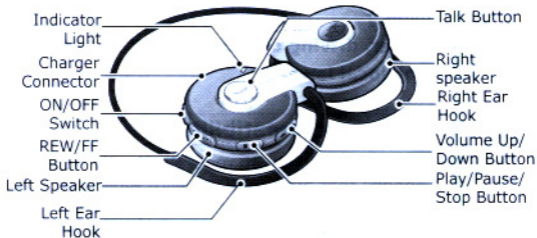


Adapter



User's Guide

Your headset overview





Button functions

Talk button

In Standby mode

- Press to activate voice dialling.
Available only when your headset and phone are connected using the Hands-free Bluetooth profile and your phone supports this function.
- Press and hold to redial the last dialled number.
For some phones, pressing and holding this button opens the call log list. Press and hold it again to redial the last number.

When a call comes in

- Press to answer the call.
- Press and hold to reject the call.

During a call

- Press and hold to place the call on hold or retrieve the held call.
- Press and hold to answer a second call.
- Press and hold to switch between the active call and held the call.
- Press to end the call.

In Connectable mode

- Press to connect the headset to the phone, if they have been paired, via the Handsfree or Headset profile.

Play/Pause/Stop button

In Standby mode

- Press and hold to launch the music player.


When the music player is launched

- Press to begin playing music.
- Press to pause or resume playback.
- Press and hold to stop playback.
- Press again to play from the start of the track.

In Connectable mode

- Press to connect the headset to the phone, if they have been paired, via the A/V Remote Control profile.

Volume Up/Down button

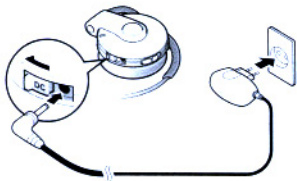
- Press to adjust the speaker volume during playback.
- Press to adjust the earpiece volume during a call.
- Press to scroll through call logs, if you accessed the call log list by pressing and holding .

REW/FF button

- Press to move to the previous or next track during music playback.
- Press and hold to rewind or fast forward during music playback.

Charging the battery

This headset has a rechargeable internal battery which is non-removable. Please make sure that you fully charge the battery before using the headset for the first time.



- 1 Plug the charger into the headset's charger connector.
- 2 Plug the charger into the electrical outlet.

The red indicator light turns on. When the battery is fully charged, the indicator light changes to blue.

- ❗ • Disconnect the charger from the power source or the headset after charging is completed.
- Use only a Samsung-approved charger. Unauthorised chargers may cause an explosion or damage on the headset.
- Always try to keep the headset at room temperature ($0 \sim +40^{\circ} \text{C}$).
- The battery will gradually wear out if charging/ discharging are repeated because it is a consumable part.
- The headset is not able to operate while charging. Try connecting again after charging is completed.

About the charging

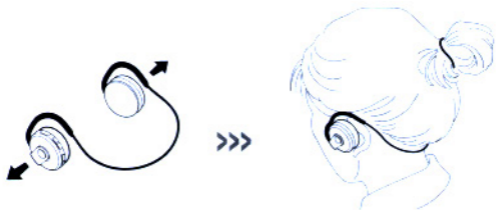
Battery charging and standard operation time

	Charging time	Standard operation time		
Battery operation time	Approx. 2 hr 30 mins	Talk time	Standby time	Play time
		Approx. 8 hr	Approx. 160 hr	Approx. 8 hr

When the battery charge falls low

A warning sound beeps and the red indicator light flashes. If you are on a call, switch the call from the headset to the phone before the headset automatically turns off.

Putting on the headset

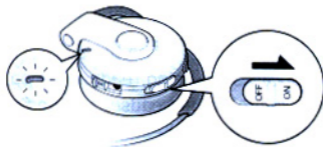




- 1 Hold the headset, as shown, and place it on your ear. Be sure to put the correct (Left, Right) earpiece on each ear.
- 2 Grip the main part of the headset and adjust it to the back of the ear for the maximum comfort and fit.

Before using your headset

This section explains basic operations and set-ups of your Bluetooth headset.

Turning the headset on or off



- Push the ON/OFF switch  to turn the headset on. When the headset is ready to be paired, the blue indicator light turns on.
- Push the ON/OFF switch  to turn the headset off.




Pairing the headset with a compatible phone

Pairing³ will create a unique and encrypted wireless link between two Bluetooth enabled devices, such as a Bluetooth phone and a Bluetooth headset. To use the headset with other Bluetooth devices, both devices must be paired. When trying to pair the two devices, keep the headset and the phone reasonably close together.

- 1 Get your headset ready to be paired.

There are 2 cases for being ready to be paired:

- When turning on the headset for the first time.
- When turning on the headset with pressing and holding . After the indicator sequentially flashes blue, red, and purple twice, it will turn to blue.

- 2 Search for the headset on your phone according to the phone user's guide.

Your phone will find "Samsung SBH170."

- 3 Select **Samsung SBH170**.

- 4 When the phone asks if you want to pair with it, confirm by selecting **Yes** or **OK**.

- 5 Enter the headset **passkey or PIN**,⁴ "0000 (4 zeros)".




Connecting the paired headset to your phone

If two Bluetooth devices are disconnected by a power failure, you need to reconnect them. When you reconnect a paired headset, you are not asked for its passkey.

- 1** Be sure that the headset is turned on.

The headset may be connected to your phone automatically when the pairing is completed depending on the types of the phone.

- 2** Choose the connection method you want.

- To connect from the phone, follow the phone user's guide.
- To connect from the headset, your phone and the headset have had to be connected more than once. Press .

- 3** When the two devices are connected successfully, you can make or answer a call on the headset.

Using your headset


This section explains how to use various functions, such as making or answering a call, using menus that you can use while a call is in progress, and listening to music.




- ❗ Activated functions may differ depending on the types of the phone. Please make sure that your phone supports all the features that your headset provides before starting to use.

Using call functions

Making a call

Redialling the last dialled number

Press and hold  to dial the last number.


For some phones, pressing and holding  opens the call log list. You can then press  to scroll through the list, and then press and hold  to dial the selected number.

Dialling a number by voice

Press  to dial a number by voice, and say a name into the microphone.

- ❗ This is available only when your phone supports the voice recognition function and your phone and the headset are connected by the Hands-free profile.


Answering a call

Press  when the phone rings.

Ending a call

Press  when you have finished the conversation.

Rejecting a call

Press and hold  as a call comes in.

- ! This is available only when your headset and the phone are connected by the Hands-free Bluetooth profile, and the phone supports the incoming call rejecting function.



Using options during a call

You can use the following functions to control your call while a call is in progress.

Adjusting the volume

Press  to adjust the earpiece volume while talking.


Muting the microphone

Press and hold  to turn off the microphone so that the person with whom you are speaking cannot hear you. Press and hold  again to turn back on the microphone.

Placing a call on hold

Press and hold  to place the current call on hold.

Answering a second call

Press and hold  to answer a second call when you hear a call waiting tone. The first call places on hold.

To reject a second call, press .

Switching between two calls

Press and hold  to switch between an active call and one on hold.


Switching a call from the phone to the headset

Press  to switch the call from the phone to the headset.


Using music control functions

Settings to play music files may differ depending on your Bluetooth phone. Please make sure that you create the proper settings for music playbacks on your phone by following the phone's user guide.



Listening to music

Press . The music player launches and sound output switches to the headset.

For some phones, the phone may ask you if you want to listen to music via the headset. Confirm the message by selecting **Yes** or **OK**.

-  Depending on the types of your Bluetooth phone, it may read MP3 files only. Make sure that you have the right file format (*.mp3) for your music files.

Pausing and resuming music

- 1 Press  to pause playback.
- 2 Press  to resume playback.

Stopping music

Press and hold 

Listening to the previous/next track

Press  to move to the previous track or press  to move to the next track.

Rewinding/Fast forwarding




Press and hold  while music is on.

Adjusting the volume

Press  to increase or decrease the volume level.

Answering a call while listening to music

When a call comes in while music is playing, your headset will alert you so that you can answer the call.

- 1 When the phone rings, press . The music stops and you are connected with the caller.
- 2 When you have finished a conversation, press .
- 3 Press  to begin playing music.

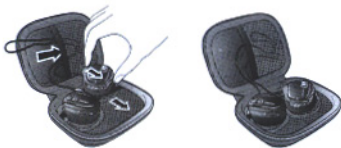
Some phones may automatically begin playback after a call.

- ❗ This is available only when your phone supports the Advanced Audio Distribution profile, A/V Remote Control profile, and Hands-free Bluetooth profile.
- You are not able to make a call while music is playing.

Care and maintenance



Storing the headset



- Be careful not to damage the headset, by applying excessive force while placing it in its case.
- Always store the headset with the power off.
- Avoid storage at high temperatures (above 60° C / 134° F), such as in a hot vehicle or in direct sunlight. Storage at high temperatures can impair performance and reduce battery life.
- Do not expose the headset or any of its supplied parts to rain or other liquids.



Frequently asked questions

How far away from my phone will my headset work?	The operating range is typically up to 30 feet (10 metres)
Will my headset work with my cordless phone at home?	Samsung SBH170 is not designed for use with cordless phones.
Will my headset work with laptops, PCs, and PDAs?	Samsung SBH170 will work with devices that are compliant with Bluetooth version 1.2 and support Advanced Audio Distribution profile, A/V Remote Control profile, Headset profile and/or Hands-free profile(s).
Will anything cause interference with my conversation when I'm using my headset?	Appliances such as cordless phones and wireless networking equipment may cause interference with your conversation, usually adding a crackling noise. To reduce any interference, keep the headset away from other devices that use or produce radio waves.
Will my headset interfere with my car's electronics, radio, or computer?	Samsung SBH170 produces significantly less power than a typical mobile phone. It also only emits signals that are in compliance with the international Bluetooth standard. Therefore, you should not expect any interference with standard consumer-grade electronics equipment.

<p>Can other Bluetooth phone users hear my conversation?</p>	<p>When you pair your headset to your Bluetooth phone, you are creating a private link between only these two Bluetooth devices. The wireless Bluetooth technology used in your headset is not easily monitored by third parties because Bluetooth wireless signals are significantly lower in radio frequency power than those produced by a typical mobile phone.</p>
<p>Can I use the headset while charging?</p>	<p>The headset is not able to operate while charging.</p>
<p>Making/receiving a call does not work well and the call ends often while talking.</p>	<p>The electric wave is in unsteady condition. Please move to another area and try again.</p>
<p>Battery operation time doesn't match the one stated in the user's guide.</p>	<ul style="list-style-type: none"> • The battery will gradually wear out because it is a consumable part. • If you place the battery in extreme heat or cold, the operation time is shortened.
<p>The sound is echoing while talking.</p>	<p>Adjust the speaker volume, or move to another area and try again.</p>
<p>Music files are not activated!</p>	<p>According to the types of your phone, it may not read other file formats, such as *.wav, *.wma and *.avi other than MP3 files. Make sure that you have the right file format (*.mp3) for your music files.</p>
<p>How do I take care of my headset?</p>	<p>To clean the headset, use a clean, soft cloth that is slightly damp.</p>



Certification and safety approvals

Declaration of Conformity (R&TTE)

- **For the following product:** Stereo Bluetooth Headset
SBH170
- **Manufactured at:** Kyungwon Electronics
#280, Cheonpyeong-Ri, Gasan-Myun,
Chilgok-Gun, Gyeongbuk, Korea

to which this declaration relates, is in conformity with the following standards and/or other normative documents.

- **Radio:** EN 300328 V1.4.1 (2003-04)
- **EMC:** EN 301 489-1 V1.4.1 (2002-08)/ EN 301 489-17
V1.2.1 (2002-08)
- **Safety:** EN 60950: 2000 (3rd Edition)

We hereby declare that [all essential radio test suites have been carried out and that] the above named product is in conformity to all the essential requirements of Directive 1999/5/EC.

*Samsung Electronics Euro QA Lab.
Blackbushe Business Park, Saxony Way,
Yateley, Hampshire, GU46 6GG, UK
2005. 07. 18*

Yong-Sang Park / S. Manager

FCC

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 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

The device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

Users are not permitted to make changes or modify the device in any way.

Changes or modifications not expressly approved by Samsung will void the user's authority to operate the equipment.



Warranty and parts replacement

Samsung warrants this product as free of defects in material, design and workmanship for the period of one year from the original date of purchase.

If during the period of warranty this product proves defective under normal use and service you should return the product to the retailer from whom it was originally purchased or qualified service center. The liability of Samsung and its appointed maintenance company is limited to the cost of repair and/or replacement of the unit under warranty.

- The warranty is limited to the original purchaser
- A copy of your receipt or other proof of purchase is required for a proper warranty service
- The warranty is void if the serial number, date code label or product label is removed, or if the product has been subject to physical abuse, improper installation, modification, or repair by unauthorised third parties
- The responsibility of Samsung products shall be limited to the repair or replacement of the product at its sole discretion
- Specifically exempt from any warranty are limited-life consumable components such as batteries and other accessories
- Samsung is not liable to any incidental or consequential damages arising from the use or misuse of any Samsung product
- This warranty gives you specific rights and you may have other rights which vary from area to area
- Unless instructed in the User Guide, the user may not, under any circumstances, attempt to perform service, adjustments or repairs on the unit, whether in or out of warranty. It must be returned to the purchase point, factory or authorised service agency for all such work

- Samsung will not assume any responsibility for any loss or damage incurred in shipping. All repair work on Samsung products by unauthorised third parties voids any warranty

Correct disposal of this product



(Waste Electrical & Electronic Equipment)

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life.

To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract.

This product should not be mixed with other commercial wastes for disposal.

Glossary

- 1 **Bluetooth** is a radio technology developed to connect devices, such as mobile phones and headsets, without wires or cords over a short distance of approximately 10 metres. More information is available at www.bluetooth.com

- 2 **Bluetooth profiles** are protocols through which Bluetooth devices communicate with other devices. Bluetooth phones support different sets of profiles - most support the headset profile but some support the hands-free profile and others support both profiles. In order to support a certain profile, a phone manufacturer has to implement certain mandatory features within the phone's software.
- 3 **Pairing** creates a unique and encrypted communication link between two Bluetooth-enabled devices and allows them to communicate with each other. Bluetooth devices will not work if the devices have not been paired with each other.
- 4 **Passkey or PIN** is a secret code that needs to be entered on a phone in order to pair the phone with a Bluetooth headset. When you have already paired your phone with the headset, the phone and the headset will recognise each other and the phone will bypass the discovery and authentication process and automatically accept the transmission.
- 5 **Standby mode** is when the headset is passively waiting for a call. When you "end" the call on your mobile phone, the headset will go into Standby mode.
- 6 **Active mode** is when the headset has an active call in progress or music is being played.



Specifications

Bluetooth version	Version 1.2
Bluetooth profile support	Advanced audio distribution profile, A/V Remote control profile, Headset profile, Hands-free profile.
Frequency range	2.402 ~ 2.480 GHz
Power consumption for transmission	0.25 ~ 2.5 mW
Bluetooth-available distance	10 m
Dimensions	40 mm (D: diameter) x 24 mm (H)
Weight	57 g (or 56±1 g)
Operating temperature range	0 ~ 40° C
Typical standby time	Up to 160 hr
Typical talk time	Up to 8 hr
Typical play time	Up to 8 hr
Battery charging time	Approximately 2 hr 30 mins
Adapter input	AC 100 ~ 240 V, 50/60 Hz
Adapter output	DC 5 V, 700 mA

The battery's operation time may shorten, depending on the usage and charging status.

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