

# **New Concept of Stereo Bluetooth Headset**

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## **Sound Master GBH-S500 User Manual**



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GBH-S500 delivers premium Hi-Fi sound and freedom of wireless that have never felt, and was born to dream for all smart phone users to enjoy MobiFren Bluetooth headset happily.

MSTS™ tuning technology presented by MobiFren is created to do away with stereotypes that wireless can't pass over the wire technology, and it presents heart touching premium sound, surpassing first class wire earphone.

## New Concept of Stereo Bluetooth Headset GBH-S500

### \* High sound quality

Premium Hi-Fi Stereo created by MobiFren's specialized DSP tuning technology.

Eliminating noise and echo by built-in DSP chip.

Optimizing the call condition and music sound quality.

### \* Alarm on incoming call

### \* Phone loss prevention mode

- If your mobile is far some distance from the headset, it alarms you to prevent loss of your mobile.

### \* Android App. available

### \* Multi point

Pairing up to 8 devices and can use 2 devices simultaneously.

### \* Neckband stereo Bluetooth headset with premium sound

### \* Smart Pairing

- Smart pairing system, enabling automatic pairing if locate to the device within 10cm at smart pairing mode.

### \* Voice prompt

### \* Firmware upgrade

- firmware upgrades to improve device by connecting the headset and PC

### \* Specifications

- Talk time : **about 6 hours 30 minutes**

- Music play time : **about 6 hours 30 minutes**

- Standby time : **about 220 hours**

- Charging time : **about 1 hour 30 minutes**

- Weight : **about 28g**

- Size : **160 X 190 X 10.5mm**

- Bluetooth version : **4.0**

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Thank you for choosing MobiFren GBH-S500. It is high quality stereo Bluetooth headset, designed to provide you convenient and easy way of using your mobile phone. This instruction manual will get you started!

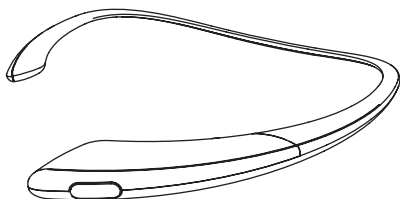
# MobiFren GBH-S500 User Manual

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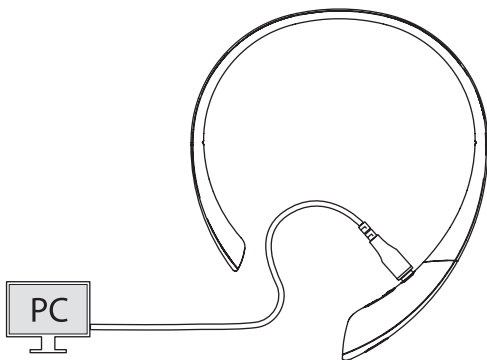
**Fig.1 Turn on/off the headset**



**Turn on :** Press MFB button for 2 seconds

**Turn off :** Press MFB button for 4 seconds

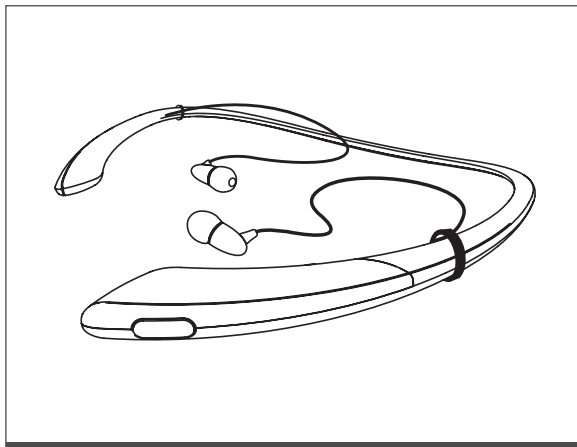
**Fig.2 Charging**



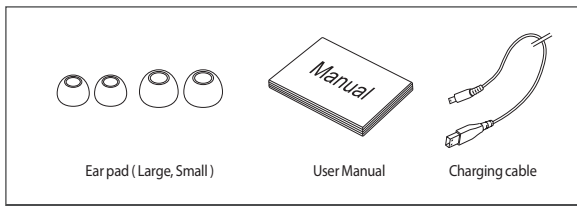
**Connecting to PC USB**

※ To charge the headset, please connect the headset to PC or AC adapter with USB charging cable.

## Headset & Accessories



GBH-S500



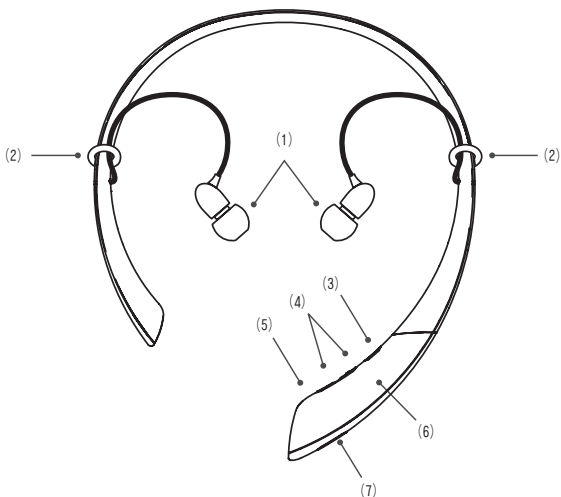
※ The drawings and examples in manual are for better understanding to this product, so, it may be different from the real goods. Accessories and design can be changed without prior notice.

## Safety Instruction

- Road safety at all times
- Using your mobile phone while driving can distract you and increase the possibility of an accident.
- Do not use mobile phones while driving : Always drive safely and follow local laws.

## 1. About your MobiFren GBH-S500

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(1) Earphone

(2) Earphone holder

(3) Charging socket

(4) Volume button

(5) Microphone

(6) LED light

(7) Multi Function Button ( MFB )

## 2. Features

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- Vibration on incoming call
- Alarm for loss prevention
- Android Application available
- Play music
- Multi Point
- Control Mic volume
- Rejecting a call
- Voice dialing
- Waiting a call
- Put calls on hold
- Convert to Call

※ Features of this product depend on your mobile phone's features.

Check your mobile's user manual for further information.

### 3. Specifications

|                     |   |
|---------------------|---|
| • Music play time   | about 6 hours 30 minutes                              |
| • Talk time         | about 6 hours 30 minutes                              |
| • Standby time      | about 220 hours                                       |
| • Charging time     | about 1 hour 30 minutes                               |
| • Size              | 160 X 190 X 10.5mm                                    |
| • battery           | Rechargeable lithium polymer battery                  |
| • Weight            | about 28g   |
| • Operating range   | within 10M  |
| • Support profiles  | Headset Profile                                       |
|                     | Handsfree Profile                                     |
|                     | A2DP Profile, ( Advanced Audio Distribution Profile ) |
|                     | AVRCP Profile ( Audio / Video Remote Control )        |
|                     | Serial Port Profile                                   |
| • Bluetooth version | 4.0   |

※Playing and talk time may be variable, depending on the devices or connecting condition.



## 4. Getting started with your MobiFren

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- Charging your MobiFren GBH-S500

### (1) Charging your MobiFren GBH-S500

Make sure that your MobiFren GBH-S500 is fully charged before you use it.

\* The LED shows 'RED' during charging and will turn 'BLUE' when fully charged.

※ While using USB hub, charging may not work well, due to low current.

### (2) Pairing your MobiFren GBH-S500 with mobile phone

\* Before you use your Mobifren GBH-S500, you need to pair it with your mobile phone or Bluetooth enabled devices. Please pair the headset with the following 2 pairing modes.

#### 1. Smart pairing

##### < Smart pairing? >

It's easy pairing way for the users. If you locate the device (mobile phone) to the headset within 10cm, then, it pairs automatically.

※ Some mobile phones may not support to this feature.

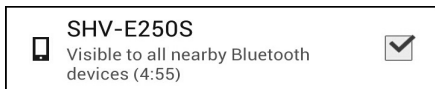
##### **Wait ! Make sure to set < Smart pairing mode > before pairing.**

At power off, press MFB button for 6 seconds to enter into < Smart pairing mode >, then, you can hear ( smart paring ~ ). The blue and red LED glitters alternately and the headset becomes < Smart pairing mode >.

##### How to do.

##### Way ① Pairing headset to your mobile phone automatically

- Activate Bluetooth in your mobile setting.
- Like as the below image, click the box to allow searching my device. Then, the pairing will be completed within seconds.



※ It may be different, depending on mobile phones.

## Way ② Automatic pairing by Android App.

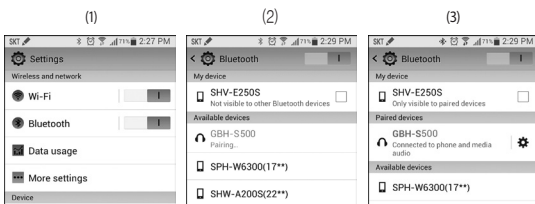
- Please download and install < MobiFren\_S5 > application at Google Play Store if your mobile phone is Android smart phone. It will guide you to pair GBH-S500 to your mobile easily. Please go into <1. Smart Pairing > menu of the application.

## 2. Manual pairing

**Wait ! Please make sure to set < Manual pairing mode > before pairing.**

At the status of < Smart pairing mode>, please MFB button for 1 second to enter into manual pairing mode. Then, you can hear (Pairing mode~). The blue LED is continuously on and the headset becomes < Manual pairing mode >.

- (1) At manual pairing mode, please activate Bluetooth function in your mobile phone, according to phone manual and search the headset.
- (2) Select "GBH-S500" from the searched device. Then, it shows "Pairing"  
( Some mobile phone needs pass key (PIN), then enter 0000. )
- (3) If pairing is successful, it shows that "Connected to Phone and Media Audio" and blue LED glitters 5 times. Now, it's ready to use.  
※ Please visit to [www.mobifren.com](http://www.mobifren.com) for more information.



※Pairing process may be different from mobile phone makers. Please refer to mobile phone's manual.

### **(3) Turning your headset on and off** ( Fig. 1. Turn on / off the headset )

- To turn on your headset, press and hold the MFB for around 2 seconds.  
Then, the power is on and 'Blue' blinks on LED.  
(On first purchasing, the headset enters pairing mode automatically when the power is on )
- To turn off your headset, press and hold the MFB for around 4 seconds.  
Then, 'Purple' blinks on LED and power is off.

### **(4) Using your MobiFren Headset**

- Some functions of the below may be different from mobile phone models or mobile manufacturers.

#### **1. Answering a call**

- When receiving a call, you can answer the call by pressing MFB.
- Vibration on incoming call : There's vibration in every 2 second, if there's incoming call.  
At standby mode, if you press (+) and (-) button for a second simultaneously, you can set on/off for vibration.

#### **2. Ending a call**

- Press the MFB shortly to end a call

#### **3. Rejecting a call**

- To reject an incoming call, give the MFB button a long press till the phone bell stops.

#### **4. Converting a call**

- During call by mobile phone, if you press MFB button, the call converts to headset.  
(If you want to convert to mobile phone again, please use phone menu.)

#### **5. Voice Dialing**

- Press the MFB shortly for 2 times, if your mobile phone supports this voice dialing feature.
- Please review your phone's user manual for more information about using this feature

## 6. Waiting a call and put a call on hold

- This feature allows you to put a call on hold during conversation and answer a waiting call.
- Give the MFB a long press (press approximately 1 second) to put an active call on hold and answer a waiting call.
- Give the MFB a long press to switch between two calls
- Just press MFB shortly to end a call.

## 7. Adjusting Volume

- With (+) / (-) button, you can control the volume of receiving voice and music.

## 8. Microphone mute

- While talking, if you press (+) or (-) button for about 1 second, the mic will be mute
- During mute, it will be released if you press (+) or (-) button for about 1 second.

## 9. Control microphone volume

- On purchasing, the mic volume level sets in the middle from the 5 levels
- Can be adjusted by user's mobile phone.  
Don't adjust too high or too low, not to cause sound quality poor.
- How to adjust ( at standby mode )
  - If you press (+) button for about 6 seconds, it becomes one step higher, and if do it again, it increases another one step.
  - If you press (-) button for about 6 seconds, it becomes one step lower, and if do it again, it decreases another one step.

| * LED Status on controlling mic volume level |                             |
|--|-----------------------------|
| Two levels up                                | Blue LED blinks two times   |
| One level up                                 | Blue LED blinks one time    |
| First setting                                | Purple LED blinks two times |
| One level down                               | Red LED blinks one time     |
| Two levels down                              | Red LED blinks two times    |

## 10. Playing music

- On first purchasing, the volume level is set in the middle (8 level) of all 15 levels.  
(Please adjust volume by (+) / (-) button in GBH-S500.)
- Button details for playing music
  - press MFB shortly : **play / pause**
  - give a long press MFB : **stop**
  - press + button shortly : **volume up**
  - press - button shortly : **volume down**
  - give a long press + button : **next song**
  - give a long press - button : **previous song**

## 11. Change EQ mode while playing music

- While listening music, if you press MFB and + button for about 4 seconds, the music mode will be changed **Normal ► Don Spike mode ► Bass boost ► Ultra bass ► Cinema mode**
- While listening music, if you press MFB and (-) button for about 4 seconds, the music mode will be changed **Cinema mode ► Ultra bass ► Bass boost ► Don Spike ► Normal**
- If you turn on the power again, the Cinema mode will be changed to Normal mode.

## 12. Multi point setting

- ※ It's possible to pair up to 8 Bluetooth enabled devices, and can use up to 2 devices. To connect other Bluetooth device, please use it, after disconnecting the device which was connected previously.
- ※ Multi Point can make the headset to connect 2 devices at the same time. For instance, GBH-S500 can be connected to 2 mobile phones or connected to mobile phone and other Bluetooth device like as a mobile phone, MP3 player or laptop computer, etc.

### - Setting Multi point

Please pair the headset to the devices as you want to pair for multi point, according to the pairing procedure. ( Refer to pairing process. )

- ※ After completing pairing, then you can use 2 devices simultaneously.

### - To use multi point

- a. At the status of connecting two mobile phones, if there's incoming call, press MFB to answer a call.
- b. At the status of connecting two devices, if you press MFB, then, you can listen the music from the device that was connected lately.

## 13. Connecting to the paired devices

- When you power on the headset, it connects to the device automatically which was connected to the latest.
- If it is already paired, but is not connected, just press MFB button to connect.

## 14. Alarm for loss prevention

- If your mobile phone is out of range from the headset, the headset alarms you with vibration to prevent loss.
- During alarm, please press MFB to stop vibration.

## 15. Using Android Application

- For more convenient and easy use of the headset, please download < MobiFren\_S5 > at Google Play store.

## 16. Headset Initialization ( Factory Reset )

- If you press Vol ( + ) ► Vol ( - ) ► Vol ( + ) ► Vol ( - ) shortly in order, then, press MFB button till purple LED glitters for 2 times.  
Then, you can initialize GBH-S500.

## 17. Firmware upgrade

- You can upgrade the latest firmware by connecting to PC.  
While pressing ( - ) button, please connect GBH-S500 and PC with charging cable, then, the red LED blinks and it goes to firmware upgrade mode.

※ Firmware is available at [www.mobifren.com](http://www.mobifren.com)

※ Do not disconnect the headset from the PC during firmware upgrading.  
It may cause malfunction of the headset.

※ After firmware upgrade , please initialize the headset.

Refer to < Headset Initialization >

## 5. What does LED color mean?

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| Status                 | LED indication   |
|------------------------|--|
| Active on a call       | Blinks blue light every 8 second                         |
| Standby                | LED off. ( If press button, blue LED blinks for 5 times) |
| battery is running low | Blinks red light   |
| Charging               | Red light ON   |
| Fully charged          | Blue light ON  |
| Pairing mode           | Blue light ON  |



## 6. Voice Prompts

| Functions            |                  | Voice Prompt          |
|----------------------|------------------|-----------------------|
| Smart pairing        |                  | Smart pairing         |
| Manual Pairing       |                  | Pairing mode          |
| Play                 |                  | Play                  |
| Stop                 |                  | Stop                  |
| Vibrator on          |                  | Vibrator on           |
| Vibrator off         |                  | Vibrator off          |
| Mic volume 2 step up |                  | Two step higher       |
| 1 step up            |                  | One step higher       |
| Default              |                  | Default               |
| 1step Down           |                  | One Step lower        |
| 2step Down           |                  | Two Step lower        |
| EQ                   | Normal           | Normal mode           |
|                      | Don Spike        | Don Spike mode        |
|                      | Bass boost       | Bass boost mode       |
|                      | Ultra bass boost | Ultra bass boost mode |
|                      | Cinema mode      | Cinema mode           |

## 7. Troubleshooting & FAQ

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### \* I hear crackling noises

For the best audio quality, always locate your headset close to mobile phone.

### \* I cannot hear anything

- "Increase the volume on the headset."
- "Ensure that the headset is paired with the phone."
- "Make sure that the phone is connected to the headset."
- If the headset fails to connect either when you pressed MFB or through your mobile phone's Bluetooth menu, follow the pairing procedure.

### \* I have problems with pairing even though my phone indicates otherwise.

Please delete the headset paired in your mobile and pair the headset again.

Please refer to set up "**Pairing mode**"

### \* Will the MobiFren GBH-S500 work with other Bluetooth equipment?

The MobiFren GBH-S500 is designed to work with Bluetooth mobile, computer or portable audio devices which are built in. It can also work with other Bluetooth devices that are compliant with Bluetooth version.

1.1/ 1.2/ 2.0/2.1+EDR/3.0/4.0 and that support HSP, HFP, A2DP and AVRCP

### \* When you use the headset in the car, the handsfree can be affected by the internal noise.

## 8. Handle MobiFren with care

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### OFF

- Always store the MobiFren GBH-S500 with the power off and protect safely when it's not in use.
- 



- Avoid storage at extreme temperature.  
(above 60 °C / 140°F - including direct sunlight - or below -20 °C / -4 °F)  
This can affect the MobiFren's battery life and may be the cause of malfunction.  
High temperature may also degrade performance.
- 



- Do not expose the MobiFren GBH-S500 to rain or other liquids
- 



- Prevent baby, children or pets to bite or suck this headset.
- 



- Please do not disassemble at user's option.
- 

**5V, 110mA**

- Please make sure to use certified charger. (Rated Voltage : 5V, 110mA)
-

## 9. Certification and safety approvals

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### FCC ID : UZCGBH-S500

NOTE: 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 :** Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

**Made in Korea**

In accordance with the R&TTE Directive 1999/5/EC of 09. March 1999

|  |
|--|
| <p>This device complies with part 15 of the FCC Rules.<br/>Operation is subject to the following two conditions:<br/>(1) This device may not cause harmful interference, and<br/>(2) This device must accept any interference received,<br/>including interference that may cause undesired operation.</p> |
|--|

Caution: Any changes or modifications to the equipment not expressly approved by the party responsible for compliance could void user's authority to operate the equipment.

## 10. Glossary

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1. Bluetooth is a radio technology that connects devices, such as mobile phones and headsets, without wires or cords over a short distance (approximately 30 feet) Get more information at [www.bluetooth.com](http://www.bluetooth.com).
2. Bluetooth profiles are the different ways in which Bluetooth devices communicate with
  - HSP : Headset Profile
  - HFP : Handsfree Profile
  - A2DP ( Advanced Audio Distribution Profile ) : Stereo Profile
  - AVRCP ( Audio / Video Remote Control Profile ) : Remote Control Profile
  - SPP : Serial Port Profile
3. Pairing of devices create a unique and encrypted link between two Bluetooth devices and let them communicate with each other.  
Bluetooth devices will not work if the devices are not paired.
4. Passkey or PIN is a code in numbers, which you have to enter on your mobile phone to pair it with your MobiFren GBH-S500.  
This makes your phone and the MobiFren GBH-S500 to recognize each other and automatically work together.
5. **'Standby Mode'** is when the MobiFren GBH-S500 is passively waiting for a call.  
When you end a call on your mobile phone, the headset goes into standby mode.

## 11. Warranty

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※ **The conditions and our responsibilities under this warranty are as follows :**

- The warranty is limited to the original purchaser
- A copy of your receipt or other proof of purchase is required.
- 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 unauthorized third parties.
- The responsibility of MobiFren products shall be limited to the repair or replacement of the product at its sole discretion.
- Any implied warranty on MobiFren products is limited to one year from the date of purchase on all parts, including any cord and connector. But, battery warranty is limited to 6 months.
- Specifically exempt from any warranty are limited-life consumable components subject to normal wear and tear, such as microphone windscreens, ear cushions, decorative finishes, batteries, and other accessories.
- MobiFren is not liable for any incidental or consequential damages arising from the use or misuse of any MobiFren product.
- This warranty gives you specific rights and you may have other rights which vary from area to area.
- Unless otherwise instructed in the User Manual, the user may not, under any circumstances, attempt to perform service, adjustments or repairs on this unit, whether in or out of warranty. It must be returned to the purchase point, factory or authorized service agency for all such work.
- MobiFren will not take any responsibility for any loss or damage incurred in shipping.
- Any repair work on MobiFren products by unauthorized third parties voids any warranty.

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*"Contribute to our communities  
with good technology and good product"*

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  - Bluetooth version : 4.0
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**MobiFren**  
www.mobifren.com



MSIP-CRM-GTT-GBH-S500



UZCGBH-S500

CE 2280 5V ---, 110mA



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ISO 9001 Quality Management System Certified Company

MADE IN KOREA

