LG
Life's Good

USER MANUAL

# LG TONE Free

***Bluetooth*® LG Stereo Headset**

**NOTE:** For the proper performance and to prevent any damage to, or misuse of the headset, please read all of the information carefully prior to using the headset.

Any modifications or changes to this manual due to typographical errors or inaccuracies of stated information shall only be made by LG Electronics Inc.

Rev 5.0 AP

Google Play App Store

## HBS-FN6 / HBS-FN4

www.lg.com

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The LG TONE Free (HBS-FN6 / HBS-FN4) is a lightweight wireless headset that uses *Bluetooth* technology.

This product can be used as an audio accessory for devices supporting either the A2DP or Hands-Free *Bluetooth* Profile.

## Safety Cautions

⚠ CAUTION

Choking Hazard: This product contains small parts that may present a choking hazard, Keep out of reach of children.

Do not disassemble, adjust, or repair the product arbitrarily.

Do not place the product near excessive heat or flammable material.

The product may be damaged if an incompatible charger is used.

Make sure that foreign objects do not enter the charger's connectors(charging port and power plug). Failure to do so may result in fire or electric shock.

If you have a medical device implanted, contact your doctor before using this device.

This product has a built-in battery, and the battery cannot be removed or replaced arbitrarily.

For your safety, do not remove the battery incorporated in the product.

If you arbitrarily replace the battery or don't replace it correctly, it may explode.

The lithium-ion battery is a hazardous component that can cause injury.

Battery replacement by an unqualified professional can cause damage to your device.

Do not discard the battery arbitrarily. Follow the local procedure for discarding batteries.

Risk of fire or explosion if the battery is replaced by an incorrect type.

Do not store or transport at pressures lower than 11.6 kPa and at above 15000 m altitude.

Replacement of a battery with an incorrect type that can defeat a safeguard (for example, in the case of some lithium battery types).

Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion.



Leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas.

A battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas.

Do not carelessly throw away old batteries. It can cause an explosion or fire.

The disposal method may vary by country and region. Dispose of it in an appropriate manner.

⚠ WARNING

Do not drop the product from a high place.

Make sure there is no water, alcohol, or benzene in contact with the product.

Do not store the product in a wet or dusty place.

Do not place heavy objects on the product.

This product is Splash proof to the IPx4 level protected against splashing of water. (The IPx4 Splash proof rating applies to the earbud product only.)

Do not put the product under the water or use it in a humid location such as a bathroom.

❗ NOTE

If the product is exposed to excessive sweat, clean the product.

Keep the earbuds clean.

## HD Speaker

If the mobile network of the device you are connecting to supports HD Voice Calling, you can enjoy making voice calls and listening to music in high definition.



## Product Components



LG TONE Free™
Earbuds (medium eargels installed)
UV Charging Case (this only applies to HBS-FN6)



Extra Ear Gels
(small & large)



USB Type C™ Charging Cable



User Manual



Warranty Card

NOTE: Actual product design may differ from images shown in manual.

⚠ CAUTION

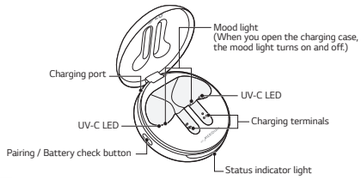
Make sure authentic LG Electronics components are used. Using a non-authentic component may damage the product and thus void the warranty.

Use the USB Type C™ cable provided with the product.

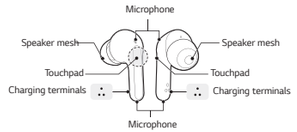


## Product Description

Charging Case




Earbuds

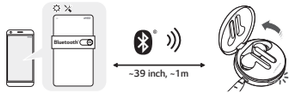



*The appearance and specifications of the actual product may differ depending on the model.
NOTE: HBS-FN4 does not have a UV-C LED and mood light.



## Pairing and Connecting

Fast Pair




1 Activate *Bluetooth* on your phone or device.
2 While the earbud is mounted in the charging case, open the charging case lid and press the pairing button for 3 to 5 seconds until the blue indicator light blinks.




3 When the Fast Pair connection pop-up appears on the top area of the mobile phone screen, tap it to connect. (It only supports Android™ 6.0 or higher, and requires configuring *Bluetooth* and location information settings of the mobile device.)
4 If the pop-up does not appear, select **[LG HBS-FN6]** from the *Bluetooth* menu on the mobile phone and connect it (for users of iOS or Android 5.0 or lower versions).

NOTE: To connect with another device, perform the above procedure again.

CAUTION: In the list of *Bluetooth* connected devices, LG HBS-FN6_LE is not the correct model name for connection. Check the model name in use and connect with the model name without "LE".



Automatic Reconnection

The earbuds are connected automatically when you open the cover of the charging case. If you close the cover of the charging case with both earbuds mounted in the charging case, the earbuds are disconnected.

## How to wear earbuds




Separate the earbuds from the charging case and adjust them so that they fit comfortably in your ears. When you wear the earbuds, you will hear a wearing detection alarm.

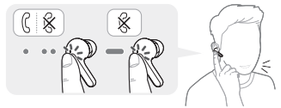
NOTE: You can easily separate the earbuds from the charging case by turning the part with dotted line in Image 1 to left or right and lifting the earbuds.

## Indicator Light

| Status | Description |
|---|---|
| *Bluetooth* Search Mode | The blue status **indicator light** blinks. |
| Battery below 20% | The red status **indicator light** turns on and off. |
| Battery 20% - 80% | The violet status **indicator light** turns on and off. |
| Battery 80% or more | The blue status **indicator light** turns on and off. |
| When there is a problem while charging | The red status **indicator light** blinks. |
| When the UVnano function is operating | The status **indicator light** blinks slowly during the UV-C LED operation. |



## Mobile Calling Functions



| Function | Status | Description |
|---|---|---|
| Answering Calls | Ringing | **Touch the left or right earbud** once. |
| Ending Calls | Talking | **Touch the left or right earbud** twice. |
| Making Calls | Idle | If you make a call using a mobile phone, the call is automatically connected to the headset. |
| Receiving Calls while on the Phone | Talking | If you **touch the left or right earbud** once, the current call will go on hold, and you will be able to answer an incoming call.<br>If the previous call is on hold, you can finish the current call on the mobile phone.<br>(It works differently depending on the mobile phone settings.) |
| Rejecting Calls | Ringing | **Touch and hold the left or right earbud.** |



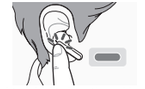
## Playing Music



| Function | Description |
|---|---|
| Play / Pause | : **Touch the left or right earbud** once. |
| Adjusting the Volume | : **Touch the left(Decrease volume) or right(Increase volume)** earbud twice. |
| Play Next | : **Touch the left or right earbud** three times. |

NOTE: On the LG TONE Free app, you can switch the operation mode through the touchpad settings.

## Listening to the ambient sound



**Touch and hold the left or right earbud** to hear the ambient sound.
You can adjust the intensity of the ambient sound in the LG TONE Free app.
The listen to the ambient sound function works only when the product is on hold or playing music.
While using the listen to the ambient sound function, the battery discharges faster than usual.

CAUTION: When the listen to the ambient sound function is enabled, you may hear the ambient sound become loud suddenly.



## Battery Status

If earbuds are mounted in the charging case, the earbuds' battery status is displayed.
Otherwise, the charging case's battery status is displayed.
If the earbuds are mounted in the charging case while plugged in, the UVnano process will commence for ten minutes.
Once this process is complete, the charging case's battery status will be displayed.
We recommend you keep the charging case charged at all times as the earbuds are not able to be turned on and off independently.



| Indicator Light | Battery Status |
|---|---|
| Red | Below 20% battery |
| Violet | Between 20% and 80% battery |
| Blue | Above 80% battery |

NOTE: When the charging case lid is closed, charging case battery status is displayed. If the charging case has no remaining battery, there will be no display and it cannot function.

## How to charge

Wired Charging



When the charging cable is connected, the charging status is displayed in the charging case.

NOTE: The earbuds and the charging case are charged at the same time.
The charging port on the charging case cannot be used to supply power to mobile phones, etc.

Wireless Charging



Align the bottom center of the charging case with the center of the wireless charger.

NOTE: Compatible wireless charger required. The wireless charger is not provided, and must be purchased separately. HBS-FN4 does not support wireless charging. The wireless charging function may not work in some wireless chargers. Wireless charging feature charges at a slower rate due to less power being transmitted to the charging case.

## UVnano Description



UV-C LED function only operates when the charging case is closed and connected to a power source using charging cable.
UV-C LED does not operate while device is charging wirelessly such as on a pad or third party wireless charging device (this only applies to HBS-FN6).

- Independent testing shows the UVnano charging case kills 99.9% of the tested bacteria* on the speaker mesh of the earbuds after 10 minutes while charging.

*Testing conducted by independent test using preproduction ear buds charged for 1 hour prior. Ear buds were floated and diluted in pre-cultured Escherichia coli and Staphylococcus aureus for 5 minutes, and dried to room temp for 30 mins. UV irradiation was carried out over 5, 10, 15 and 20 mins, with both bacteria not detected after 10 mins.



- For best result, it is recommended that the full 10 minutes of UV-C LED operation be performed while charging.

NOTE: The status indicator light blinks slowly during the UV-C LED operation.
The light will slowly illuminate on and off until the UV-C LED function is complete (10 minutes). Once completed, the indicator light will switch back to the always-on battery indicator, see "Battery Status".
HBS-FN4 does not have a UV-C LED and mood light.
Performance may vary based on usage conditions.
A white product may slightly differ in the color of the UV-C LED contact area, but there is no problem with the product performance.

CAUTION: Be aware that the temperature of the earbuds may rise while the UV-C LED is operating.
Avoid direct eye and skin exposure to UV light.
Keep out of reach of children.

## Out of Range

If the device connected to the product is out of mobile coverage range, the communication signal becomes weak and the communication is lost. The mobile coverage range may vary depending on surrounding and other conditions.

If the device comes back within mobile coverage range, the product automatically reconnects to the device. If the device is not automatically reconnected, **touch the left or right earbud** once to connect them.



## LG TONE Free

If you install the "LG TONE Free" app, you can use Check Earbud Battery, Voice Alert, Change Equalizer Mode, Check Last Connected Location Information, and Find My Earbuds functions. Check out the app for more details.

To install the "LG TONE Free" app, search LG TONE Free in the Google Play Store or App Store or scan the QR code below.

It supports Android 5.0 or higher and iOS 11 or higher.

Google Play

App Store

## Troubleshooting

| Problem | Solution |
|---|---|
| The power does not turn on | Check the battery level and charge it. |
| If unable to make a call with earbuds | If the mobile phone does not support headset and hands-free functions, you cannot use the calling features.<br>Check the battery level and charge it. |
| If unable to register earbuds to mobile phone | Check whether earbuds are turned on.<br>Check if the charging case of earbuds are in search mode.<br>- Press the pairing button on the charging case to switch to search mode. |
| If you replaced the earbuds or there is a problem with the operation | Put the earbuds in the charging case and, with the case open, press the pairing button for 10 seconds or more.<br>- The factory reset proceeds while the status indicator on the charging case flashes red.<br>Please reconnect the device after factory reset. |



## Specifications and Features

| Item | Comments |
|---|---|
| *Bluetooth* Specifications | V 5.0 (Headset/Hands-Free/A2DP/AVRCP) |
| Battery | Earbud : 3.7 V / 55 mAh, Lithium-ion<br>Charging case : 3.7 V / 390 mAh, Lithium-ion |
| Talk Time (Earbuds / With Charging case) | Up to 5 hrs / plus up to 10 hours* |
| Music Play Time (Earbuds / With Charging case) | Up to 6 hrs / plus up to 12 hours* |
| Charging Time | Earbud : within an hour / Charging case : within 2 hours<br>Fast Charging : 5 min charge for up to 60 min playtime<br>※ When charging wired at room temperature |
| Rated Input Voltage | Earbud : DC 5 V, 110 mA<br>Charging case : DC 5 V, 500 mA |
| Operating Temperature | 0 °C (+32 °F) ~ +35 °C (+95 °F) |
| Dimensions (mm) / Weight (g) | Earbud : 16.1 mm (W) X 32.65 mm (L) X 25.0 mm (H) / 5.4 g (One earbud)<br>Charging case : 54.5 mm (W) X 54.5 mm (L) X 27.5 mm (H) / 39 g |
| Frequency range | 2402 MHz to 2480 MHz |
| Output power ( Max.) | 10 dBm |

*Playtime is based on tests using full charge ear buds (at 50% volume) and charging case, and depends on device settings, environment, usage, and other factors.
Fast charging feature does not operate when charging case is placed on a wireless charging device and/or wireless pad. Wireless charging feature charges at a slower rate due to less power being transmitted to the charging case.
Talktime is based on is based on tests using full charge ear buds (at volume max) and charging case, and depends on device settings, environment, usage, and other factors.



## Declaration of Confirmation

FCC NOTICE TO USERS:

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.

Changes or modifications not expressly approved by the manufacturer (or party responsible) for compliance could void the user's authority to operate the equipment.

FCC Part 15.105 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.



IMPORTANT NOTE:

To comply with the FCC RF exposure compliance requirements, no change to the antenna or the device is permitted. Any change to the antenna or the device could result in the device exceeding the RF exposure requirements and void user's authority to operate the device.

DECLARATION OF CONFORMITY:

Hereby, LG Electronics declares that the radio equipment type this headset is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at http://www.lg.com/global/declaration

*Bluetooth*® is a registered trademark of Bluetooth SIG, Inc. worldwide.

Android, Google Play, the Google Play logo, and other related marks and logos are trademarks of Google LLC.

Apple iOS and App Store is a trademark of Apple Inc.

FCC ID: ZNFHBSFN6



## Additional Information

1. Radio frequency exposure

This *Bluetooth* LG Stereo Headset is a radio transmitter and receiver. When in operation, it communicates with a *Bluetooth* equipped mobile device by receiving and transmitting radio frequency (RF) electromagnetic fields (microwaves) in the frequency range 2402 to 2480 MHz.
Your *Bluetooth* headset is designed to operate in compliance with the RF exposure guidelines and limits set by national authorities and international health agencies when used with any compatible LG Electronics mobile phone.

2. *Bluetooth* Connection Precautions

The following environments affect the range and reception of *Bluetooth* signals:

- When walls, metal, human bodies, or other obstacles exist between the *Bluetooth* device and the connected device.
- When equipment that uses 2.4 GHz frequency signals (Wireless LANs, wireless phones, microwave ovens, etc.) is placed near the devices being used.
- When using a *Bluetooth* device (TV, laptop, etc.) other than the mobile phone, the sound quality may be affected by the specifications and performance of the device.

3. Potentially explosive atmosphere

Turn off your electronic device when in any area with a potentially explosive atmosphere. It is rare, but your electronic device could generate sparks. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death. Areas with a potentially explosive atmosphere are often, but not always, clearly marked.



4. Battery information

A rechargeable battery has a long service life if treated properly. A new battery or one that has not been used for a long period of time could have reduced capacity the first few times it is used. Do not expose the battery to extreme temperatures, never above +50 °C (+122°F) or below -10°C (+14°F). For maximum battery capacity, use the battery in room temperature. If the battery is used in low temperatures, the battery capacity will be reduced. The battery can only be charged in temperatures between 0°C (+32°F) and +45°C (+113°F).

5. Recycling the battery in your *Bluetooth* Headset

The battery in your *Bluetooth* Headset must be disposed of properly and should never be placed in municipal waste.

**Disposal of waste batteries/accumulators**

1 This symbol may be combined with chemical symbols for mercury (Hg), cadmium (Cd) or lead (Pb) if the battery contains more than 0.0005% of mercury, 0.002% of cadmium or 0.004% of lead.

2 All batteries/accumulators should be disposed separately from the municipal waste stream via designated collection facilities appointed by the government or the local authorities.

3 The correct disposal of your old batteries/accumulators will help to prevent potential negative consequences for the environment, animal and human health.

4 For more detailed information about disposal of your old batteries/accumulators, please contact your local council, waste disposal service or the shop where you purchased the product.



## Important Safety Information

Avoiding hearing damage

Permanent hearing loss may occur if you use your headset at a high volume. Set the volume to a safe level. You can adapt over time to a higher volume of sound that may sound normal but can be damaging to your hearing.

If you experience ringing in your ears or muffled speech, stop listening and have your hearing checked. The louder the volume, the less time is required before your hearing could be affected. Hearing experts suggest that to protect your hearing:

- Limit the amount of time you use Headset at high volume.
- Avoid turning up the volume to block out noisy surroundings.
- Turn the volume down if you can't hear people speaking near you.

Please refer to your handset user guide for more information on how to adjust listening levels on your handset.

Using headsets safely

Use of Headset to listen to music while operating a vehicle is not recommended and is illegal in some states and countries. Be careful and attentive while driving. Stop using this device if you find it disruptive or distracting and do not use this device while operating any type of vehicle or performing any other activity that requires your full attention.



## Open Source Software Notice Information

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In addition to the source code, all referred license terms, warranty disclaimers and copyright notices are available for download.

LG Electronics will also provide open source code to you on CD-ROM for a charge covering the cost of performing such distribution (such as the cost of media, shipping, and handling) upon email request to opensource@lge.com.

This offer is valid for a period of three years after our last shipment of this product.
This offer is valid to anyone in receipt of this information.

| RISK GROUP 2 | |
|---|---|
| | **CAUTION :** UV EMITTED FROM THIS PRODUCT.<br>EYE OR SKIN IRRITATION MAY RESULT FROM EXPOSURE.<br>USE APPROPRIATE SHIELDING. |
| | **WARNING :** WHEN OPENING THE CHARGING CASE OR WIRELESS CHARGING, THE UV FUNCTION DOES NOT WORK. |

The output level shall automatically return to an output level not exceeding RS1 when the power is switched off.