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BM5

User manual

PHILIPS

Contents

1 Important 2
Safety 2

2 Your multiroom speaker 3
Introduction 3
What's in the box 3
Overview of the main unit 4

3 Prepare 6
Connect power and turn on 6

4 Play 8
Play in single mode 8
Play in group mode 9
Control play 11

5 Other features 12
Listen to an external device 12
Update firmware 12
Reset group status 13

6 Product information 14
Specifications 14

7 Troubleshooting 15

8 Understand meanings of LED status 16

9 Notice 18
Written offer 18

English

1 Important

Safety

- Make sure that there is enough free space around the product for ventilation.
- Only use attachments or accessories specified by the manufacturer.
- Use only power supplies listed in the user manual.
- The product shall not be exposed to dripping or splashing.
- Do not place any sources of danger on the product (e.g. liquid filled objects, lighted candles).
- Where the plug the Direct Plug-in Adapter or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

Warning

- Never remove the casing of this unit.
- Never lubricate any part of this unit.
- Place this unit on a flat, hard and stable surface.
- Never place this unit on other electrical equipment.
- Only use this unit indoors. Keep this unit away from water, moisture and liquid-filled objects.
- Keep this unit away from direct sunlight, naked flames or heat.

This is CLASS II apparatus with double insulation, and no protective earth provided.

2 Your multiroom speaker

Congratulations on your purchase, and welcome to Philips! To fully benefit from the support that Philips offers, register your product at www.philips.com/welcome.

Introduction

With the Philips izzylink speaker, you can:

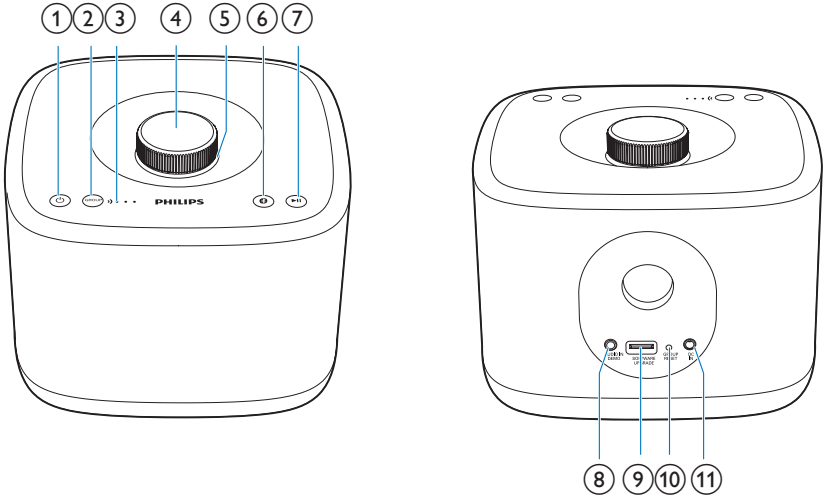
- listen to music from your Bluetooth-enabled devices;
- listen to music everywhere in your home through a group of izzylink-compatible multiroom speakers (not supplied);
- listen to music from an external audio device through a 3.5mm audio cable.

What's in the box

Check and identify the contents of your package:

- 1 x izzylink multiroom speaker
- 1 x power adapter
- Printed materials

Overview of the main unit



1 ⏻
- Turn the speaker on or off.

2 GROUP button/indicator
- Press and hold to group with another multiroom speaker.
- Press to exit or return to a group.
- Flashes green during grouping.
- Turns solid green after successful grouping.
- Flashes green when the speaker acts as a slave and is disconnected from its master.

3 Signal strength indicator
- Indicates the signal strength of group connection.

4 Volume knob
- Turn clockwise/anticlockwise to increase/decrease volume.
- Press to mute/unmute the speaker.

5 Volume indicator
- Lights up after power-on.
- Dims in standby mode.
- Flashes when the speaker is muted.
- Turns green when the speaker acts as a slave in a group of speakers.

6 Bluetooth button/indicator
- Flashes blue in pairing mode.
- Turns solid blue after successful connection with a Bluetooth-enabled device.
- Turns off in standby mode or when the speaker acts as a slave in a group of speakers.
- Press and hold for three seconds to disconnect the current Bluetooth connection.
- Press and hold for ten seconds to clear the pairing information.

7 ▶II
- Start, pause, or resume play.

8 AUDIO IN

- Audio input socket (3.5mm) for an external audio device.

⑨ SOFTWARE UPGRADE

- USB socket for speaker software upgrade only.

⑩ GROUP RESET

- Press with a sharp object to restore factory defaults.

⑪ DC IN

- Power socket.

3 Prepare

Always follow the instructions in this chapter in sequence.

If you contact Philips, you will be asked for the model and serial number of this apparatus. The model number and serial number are on the bottom of the apparatus. Write the numbers here:

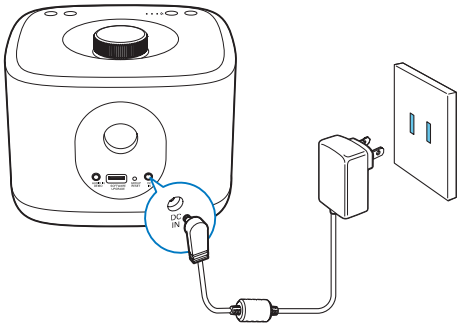
Model No. _____

Serial No. _____

Connect power and turn on

Caution

- Risk of product damage! Make sure that the power supply voltage corresponds to the voltage printed on the bottom of the speaker.
- Risk of electric shock! When you unplug the AC power adapter, always pull the plug from the socket. Never pull the cord.
- Before you connect the AC power adapter, make sure that you have completed all the other connections.



- Connect the power adapter to
  - the **DC IN** socket on the back of the speaker.
  - the wall power socket.

  ↳ The volume indicator lights up.

  ↳ The signal strength indicators flash for several seconds until the speaker boots up.

  ↳ For first-time use or in single mode, the ✱ indicator starts flashing and the speaker enters pairing mode.

  ↳ When the speaker acts as the master in group mode, the ✱ indicator starts flashing until the speaker finds the last paired Bluetooth-enabled device.

  ↳ When the speaker acts as a slave in group mode, the **GROUP** indicator starts flashing until the speaker finds its master in the group.

Tip

- Single mode indicates to use a speaker as a single Bluetooth speaker that does not acts as a master or slave in a group of speakers.
- Group mode indicates that several multiroom speakers form a group, with one speaker acting as the master and the others as slaves.

Switch to standby mode

- In single mode, press ⏻ to switch to standby mode.

  ↳ The volume indicator dims.

  ↳ All the other indicators turn off.

- In group mode, press ⏻ on any speaker in the group to switch to standby mode.

  ↳ The volume indicator on each speaker in the group dims.

  ↳ All the other indicators turn off.

To switch between standby mode and ECO mode

- Press and hold ⏻ for three seconds.
- In single mode, to switch on from standby mode or ECO mode, press ⏻ again.
- In group mode, press ⏻ on any speaker in the group to switch all the speakers on from standby mode or ECO mode.

Note

- In single mode, if the Bluetooth connection is invalid or music playback is stopped for 15 minutes, the speaker switches to standby mode automatically.
- In group mode, if the Bluetooth connection with the master speaker is invalid or music playback is stopped for 15 minutes, all the speakers in the group switch to standby mode automatically.

4 Play

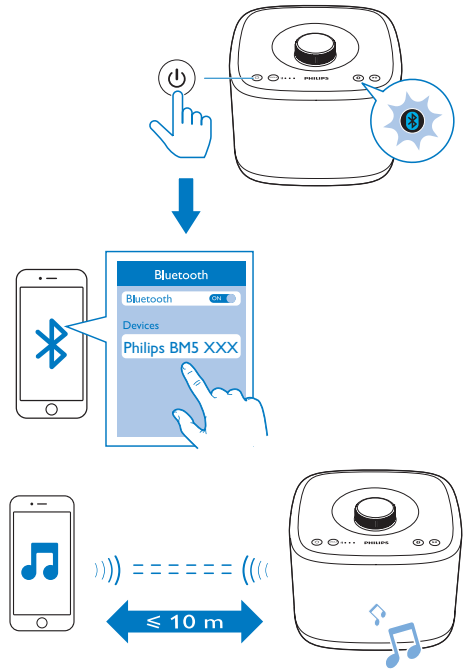
Play in single mode

Single mode: Single mode means that the speaker is not grouped with any other izzylink-compatible multiroom speakers. Instead, it is used as a standalone speaker.

Connect a Bluetooth-enabled device

Note

- Make sure that your Bluetooth-enabled device is compatible with this speaker.
- Before pairing a device with this speaker, read its user manual for Bluetooth compatibility.
- The speaker can memorize a maximum of 8 paired devices.
- Make sure that the Bluetooth function is enabled on your device, and your device is set as visible to all other Bluetooth devices.
- Any obstacle between this speaker and a Bluetooth device can reduce the operational range.
- Keep away from any other electronic device that may cause interference.
- The operational range between this speaker and a Bluetooth device is approximately 10 meters (30 feet).



1 Make sure that the speaker is in pairing mode, that is, the ⓑ indicator flashes blue.

2 On your Bluetooth device, enable Bluetooth and search for Bluetooth devices (refer to the user manual of the device).

3 When **[Philips BM5 XXX]** is displayed on your device, select it to start pairing and connection. If necessary, enter the default password "0000".
   ↳ After successful pairing and connection, the speaker beeps twice, and the ⓑ indicator turns solid blue.

Play from the connected Bluetooth-enabled device

Note

- Music play pauses when there is an incoming call or video recording is in progress on the connected mobile phone.

- After successful Bluetooth connection, play music on the Bluetooth device.
  ↳ Music streams from your Bluetooth device to the speaker.

To disconnect the Bluetooth-enabled device:

- Disable Bluetooth on your device;
- Press and hold ✱ on the speaker for more than three seconds; or
- Move the device beyond the communication range.

To clear the pairing information:

- Press and hold ✱ on the speaker for more than ten seconds.

To reconnect the Bluetooth-enabled device:

- For a paired Bluetooth device on which automatic reconnection is enabled, this speaker reconnects with it once it is detected.
- For a paired Bluetooth device that does not support automatic reconnection, reconnect it with this speaker manually.

To connect another Bluetooth-enabled device:

- Disable Bluetooth on the current device, and connect another device when the indicator flashes blue.

Tip

- Before you reconnect a Bluetooth-enabled device (especially an iOS device) to the speaker, you may need to clear the previous pairing information on your device.

✱ indicator	Description
Flashing blue	Connecting or waiting for connection
Solid blue	Connected

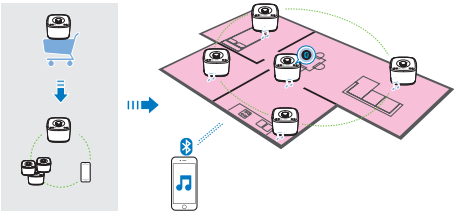
Play in group mode

Group mode: If you have more than one izzylink-compatible multiroom speakers, you can create a group and stream music to the group of speakers at the same time.

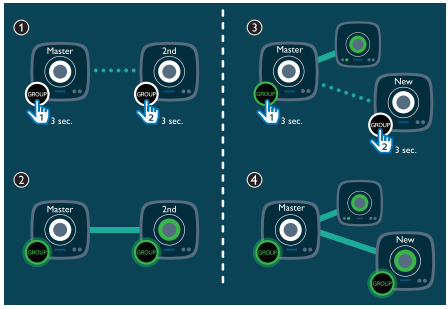
To use this feature, you need to purchase more than one izzylink-compatible multiroom speakers.

Note

- You can create a group of up to five speakers, with one as the master and four as slaves.



Create a group



Note

- Whenever you create a group, the first speaker that you enable the group function will act as the master.

1 Hold **GROUP** on the first speaker for 3 seconds (The master).

2 Hold **GROUP** on a second speaker for 3 seconds (The slave).

3 Wait for 15 to 30 seconds for connection setup.

4 Repeat steps 1 to 3 to add more slave speakers one by one.

Note

- You can only add slave speakers one by one. Each time when you add a slave speaker, first press and hold GROUP on the master speaker until the indicator on the button flashes and the speaker beeps.
- If the signal strength indicator on a slave speaker shows that the signal is poor, move it closer to the master speaker.

You can add any of the following speakers into the existing group or create a new group with them:

- A speaker with factory default settings
- A master speaker that has no slave connected to it
- A slave speaker that is disconnected from its master (with the **GROUP** indicator flashing)

Connect a Bluetooth-enabled device to the master and play to the whole group

Note

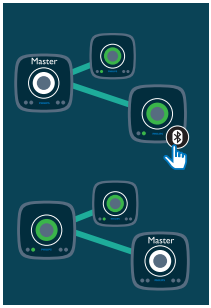
- Music play pauses when there is an incoming call or video recording is in progress on the connected mobile phone.

1 If no Bluetooth connection has been set up with the master speaker before, pair and connect a Bluetooth-enabled device to the master speaker (see 'Connect a Bluetooth-enabled device' on page 8).

2 After successful Bluetooth connection, play music on the Bluetooth device.
   ↳ Music streams from your Bluetooth device to the whole group of speakers.

Change master

You can change the current master in a group easily. For example, when the Bluetooth connection with the current master speaker is lost, you can set the closest slave speaker as the master.



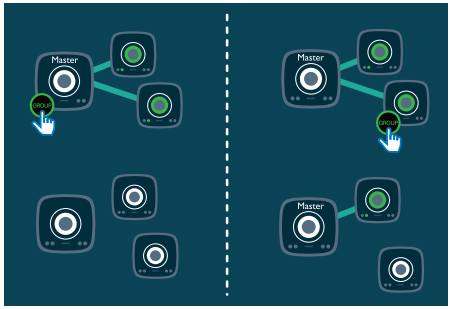
1 Press ✱ on a slave speaker.
   ↳ The ✱ indicator on the speaker flashes blue, while that on the previous master speaker turns off.
   ↳ The **GROUP** indicators on both speakers start flashing until the new master speaker sets up connection with its slaves.

↳ The volume indicator on the speaker turns white while that on the previous master speaker turns green.

2 Pair and connect your Bluetooth-enabled device with the new master speaker (see 'Connect a Bluetooth-enabled device' on page 8).

3 After successful Bluetooth connection, play music on the Bluetooth device.
↳ Music streams from your Bluetooth device to the whole group of speakers.

Switch to single mode



Ⓐ Press **GROUP** on the master to enter single mode.
↳ The slaves keep looking for the master until timeout in 15 minutes.
↳ You can create a new group with the slaves or press **GROUP** on a slave to enter single mode.

- Press **GROUP** on the master again to resume group mode.

Ⓑ Press **GROUP** on a slave to switch to single mode.
↳ The **GROUP** indicator on the speaker turns off, and the ✱ indicator flashes blue.

- Press **GROUP** again to rejoin a group.
↳ The **GROUP** indicator lights up again and the ✱ indicator turns off.

Control play

Note

- Due to data buffering, you may experience some delay when you play/pause or adjust volume from the Bluetooth device.

Control from the speaker

⏻	• In single mode, turn the speaker on/off. • In group mode, turn the whole group of speakers on/off.
▶❚❚ (unavailable in AUDIO IN mode)	• In single mode, pause/resume play of the current speaker. • In group mode, pause/resume play of the whole group.
Volume knob	• Press to mute/unmute the current speaker. ↳ The volume indicator flashes when the speaker is muted. • Turn clockwise/anticlockwise to increase/decrease volume of the current speaker.

Control from the connected Bluetooth device

You can use controls on your Bluetooth device directly.

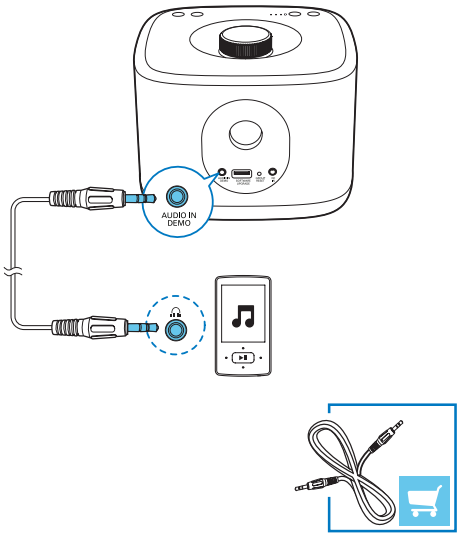
5 Other features

Listen to an external device

You can listen to an external audio device such as an MP3 player through the **AUDIO IN DEMO** socket on the speaker. Note that the group function is not available when the **AUDIO IN DEMO** socket is in use.

Note

- The **AUDIO IN DEMO** socket is for sound demo only and does not support multiroom streaming.



1 Connect an audio cable with a 3.5 mm connector on both ends to
   - the **AUDIO IN DEMO** socket on the speaker, and
   - the headphone socket on the external device.

2 Power on the speaker.

3 Play music on the external device (refer to its user manual).
   ↳ The speaker switches to AUDIO IN source automatically.

Tip

- When the 3.5mm audio cable is disconnected or there is no audio signal detected, the speaker switches back to Bluetooth source automatically. If the speaker is in group mode, it reconnects with the group automatically.
- When the master speaker in a group switches to AUDIO IN source, the slave speakers in the group lose connection with the master. In this case, you can unplug the 3.5mm audio cable to resume group connection or create a new group with the speakers.

Update firmware

Warning

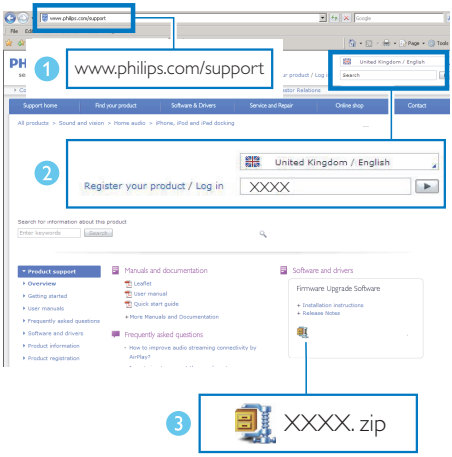
- Always connect the speaker to AC power for firmware upgrade.
- Never power off the speaker or unplug the USB mass storage device before completion of the firmware upgrade.

Note

- Make sure that the USB stick is FAT16/32 formatted.

1 On your PC/Mac, go to www.philips.com/support.

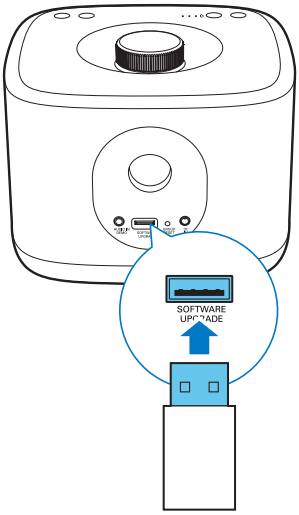
2 Enter the model number to find the latest firmware upgrade file available.



3 Unzip and save the upgrade file (BM5.bin) to the root directory of a USB stick.

4 Disconnect the AC power of the speaker.

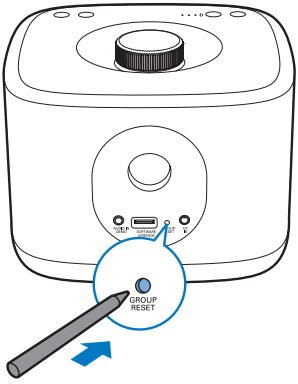
5 Plug the USB stick into the USB socket on the back of the speaker.



6 Connect AC power again and turn on the speaker.

7 Do not remove the USB stick, and wait for around 3 to 4 minutes for completion of the firmware upgrade.
↳ At completion of firmware upgrade, all indicators on the speaker flash at the same time.

Reset group status



- In case of any grouping issues, you can reset the speaker with a sharp object such as a needle.
  ↳ The speaker reboots automatically.

6 Product information

Note

- Product information is subject to change without prior notice.

Specifications

Amplifier

Rated Output Power	2 X 2.5W RMS
Frequency Response	100Hz -16KHz +/- 3 dB
Signal to Noise Ratio	> 62dBA
AUX Input sensitivity	0.6 V RMS 22kohm

Bluetooth

Bluetooth version	V2.1 + EDR
Bluetooth frequency band	2.402GHz ~ 2.48GHz ISM Band
Range	10 m (free space)

Speakers

Speaker Impedance	4 ohm
Speaker Driver	4 cm full range
Sensitivity	> 81dB/m/W +/- 3dB/m/W

General information

AC power	Input: 100 - 240 V~ 50/60 Hz 0.5 A Output: 5 V ⎓ 2 A
Operation Power Consumption	10 W
Power Consumption	
- Standby mode	< 2 W
- ECO mode	<0.5 W
Dimensions	
- Main Unit (W x H x D)	165 x 118 x 165 mm
Weight	
- Main Unit	1.12 kg

7 Troubleshooting

Warning

- Never remove the casing of this device.

To keep the warranty valid, never try to repair the system yourself.

If you encounter problems when using this device, check the following points before requesting service. If the problem remains unsolved, go to the Philips Web page (www.philips.com/support). When you contact Philips, make sure that the device is nearby and the model number and serial number are available.

No power

- Make sure that the AC power cord of the speaker is connected properly.
- Make sure that there is power at the AC outlet.
- As a power-saving feature, the speaker switches off automatically after 15 minutes of inactivity.

No sound

- Adjust volume.
- Check whether the speaker is muted.

The speaker is in demo mode and not working as usual.

- The demo mode is not intended for end users. You may have activated this mode by accident. In this case, unplug the power cable, press and hold ⏻ and then plug in the power cable again. Continue to hold the button for 15 seconds until all indicators flash to exit demo mode. If the issue remains, repeat the operation. Then you can power on and operate the speaker as usual.

No response from the speaker

- Disconnect and reconnect the AC power plug, then turn on the speaker again.

Music playback is unavailable on this speaker even after successful Bluetooth connection.

- Check whether the current audio source of the speaker is AUDIO IN. Unplug the 3.5mm audio cable.
- The device cannot be used to play music through this speaker wirelessly.

The audio quality is poor after connection with a Bluetooth-enabled device.

- The Bluetooth reception is poor. Move the device closer to this speaker or remove any obstacle between them.

Bluetooth cannot be connected with this speaker.

- The device does not support the Bluetooth profiles required for this speaker.
- The Bluetooth function of the device is not enabled. Refer to the user manual of the device to find out how to enable the function.
- This speaker is not in pairing mode or acts as a slave in a group. In group mode, you can only set up Bluetooth connection with the master speaker.
- This speaker is already connected with another Bluetooth-enabled device. Disconnect that device and then try again.

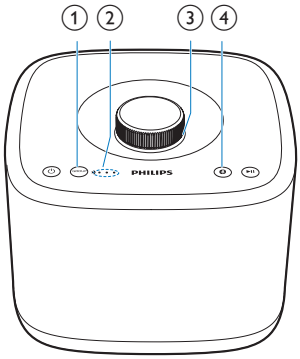
Group connection failed

- Move slave speakers closer to the master.
- You can only add slave speakers one by one.
- You cannot group more than four speakers with the master.
- The master speaker may have switched to single mode.

Occasional stuttering or breaking of music streaming during group playback

- If you experience music stuttering or breaking of streaming, it could be that your home Wi-Fi network is busy. Even though izzylink is independent from your home Wi-Fi network, it uses Wi-Fi signals to communicate between the speakers. Try the following : 1) Reduce traffic on your home Wi-Fi network, e.g. stop any large file downloads or other content streaming on your Wi-Fi network; 2) Reboot the Master speaker, by unplugging it from the mains and plugging it in again.

8 Understand meanings of LED status



(1) Group indicator status	Meaning
Off	The speaker is powered off. The speaker is in single mode.
Flashing green	The speaker is grouping with its master/slave. The speaker acts as a slave and is disconnected from its master.
Solid green	The speaker is grouped with its master/slave. The speaker acts as the master and is disconnected from its slaves.

(2) Status of streaming quality indicators	Meaning
All three indicators lighting up	The signal strength of group connection is excellent.
Two indicators lighting up	The signal strength of group connection is good.
Only one indicator lighting up	The signal strength of group connection is poor. Move slave speakers closer to the master speaker.
No indicator lighting up	The speaker is powered off or working in single mode, or the group connection fails.

(3) Volume indicator status	Meaning
Off	The speaker is powered off.
Solid white in full brightness	The speaker is powered on in single mode. The speaker is powered on when it acts as the master in group mode.
Solid green in full brightness	The speaker is powered on when it acts as a slave in group mode.
Solid white in half brightness	The speaker switches to standby mode in single mode. The speaker switches to standby mode when it acts as the master in group mode.
Solid green in half brightness	The speaker switches to standby mode when it acts as a slave in group mode.
Flashing white	The speaker is muted in single mode. The speaker is muted when it acts as the master in group mode.
Flashing green	The speaker is muted when it acts as a slave in group mode.

(4) Bluetooth indicator status	Meaning

Off	The speaker is powered off. The speaker acts as a slave in group mode. The speaker is grouping with its master/slave.
Flashing blue	The speaker is in pairing mode.
Solid blue	The speaker is connected to a Bluetooth-enabled device.

9 Notice

Any changes or modifications made to this device that are not expressly approved by Gibson Innovations may void the user's authority to operate the equipment.

Disposal of your old product

Your product is designed and manufactured with high quality materials and components, which can be recycled and reused.

This product may contain lead and mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities.

Environmental information

All unnecessary packaging has been omitted. We have tried to make the packaging easy to separate into three materials: cardboard (box), polystyrene foam (buffer) and polyethylene (bags, protective foam sheet.)

Your system consists of materials which can be recycled and reused if disassembled by a specialized company. Please observe the local regulations regarding the disposal of packaging materials, exhausted batteries and old equipment.

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Note

- The type plate is located on the bottom of the product.

Written offer

Gibson Innovations Limited hereby offers to deliver, upon request, a copy of the corresponding source code for the open source software packages used in this product for which such offer is requested by the respective licenses. This offer is valid up to three years after product purchase. To obtain source code, please contact open.source@philips.com. If you prefer not to use email or if you do not receive confirmation receipt within a week after mailing to this email address, please write to Open Source Team, Gibson Innovations Limited, 5/F Philips Electronics Building, 5 Science Park East Avenue, Hong Kong Science Park, Shatin, N.T. Hong Kong.

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