



# User Manual

## Wireless free sound speaker with Dolby Atmos FlexConnect Z100



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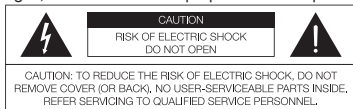
# 1 Before you Begin

- Carefully read and observe all safety instructions in the safety leaflet.
- This speaker is intended for indoor use only. In case it accidentally gets in contact with small amounts of water, unplug immediately and use a dry cloth to remove the water.
- Unplug the speaker if it is not used for long periods of time or during lightning storms.
- In case any of the cables are visibly damaged or pinched, unplug the speaker and replace the cable.
- Protect your hearing by adjusting to a proper volume. Predefined and customizable sound settings are available for your listening comfort.

## Important safety instructions

Make sure you read all the safety information before you use this product.

TCL Overseas Marketing Limited bears no responsibility for accidents or damages caused by unauthorized changes, modifications or improper use of the product.



The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.



This symbol indicates that this product incorporates double insulation between hazardous main voltage and user accessible parts. When servicing, use only identical replacement parts.

## Warnings

- To reduce the risk of fire or electric shock, do not expose this product to rain or moisture. This product should not be exposed to dripping or splashing. No objects filled with liquids, such as vases, should be placed on or near the product.
- To avoid the danger of suffocation, keep plastic packaging away from pets, babies, and children. Do not use packaging bags in cribs, beds, carriages, or playpens.

## Safety

- **Read these instructions** - Read all the safety and operating instructions before operating the product.
- **Retain these instructions** - Retain the safety and operating instructions for future reference.
- **Heed all warnings** - Adhere to all warnings on the product and in the operating instructions.
- **Follow all instructions** - Follow all operating and use instructions
- **Do not use this apparatus near water** - The appliance should not be used near water or moisture - for example, in a wet basement or near a swimming pool and the like.
- **Clean only with a dry cloth.**
- **Do not block any ventilation openings.** Install in accordance with the manufacturer's instructions.
- **Do not install near any heat sources** such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

- **Do not defeat the safety purpose** of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- **Protect the power cord** from being walked on or pinched particularly at plugs, convenience receptacles, and the point where it exits from the product.
- **Use only attachments/accessories** specified by the manufacturer.
- **Use only with the cart**, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- **Unplug this apparatus** during lightning storms or when unused for long periods of time.
- **Refer all servicing** to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



## Cautions

- To prevent electric shock, match wide blade of plug to wide slot, fully insert.
- Do not place any sources of danger on the product (for example: liquid filled objects, lighted candles).
- Disconnect the power cord to shut off when find trouble or not in use. The power cord shall be readily operable.
- Use of controls or adjustments or performance of procedures other than those described herein, may result in hazardous radiation exposure or other unsafe operation.
- The power cord/appliance coupler is used as the disconnect device, the disconnect device must remain readily operable.
- The rating label is located at the bottom or back of the product.
- The use of apparatus in tropical and moderate climates.

## 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.

## 2 Welcome

Congratulations on the purchase of your new TCL Speaker! After it is set up and connected, you can experience a superb sound quality and state-of-the-art design to best fit your home entertainment system. You are recommended to read through this user manual which helps you set up, connect and operate the product easily and properly.

Let's get started.

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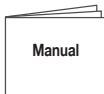
### What's in the box



Speaker



AC Power Cord



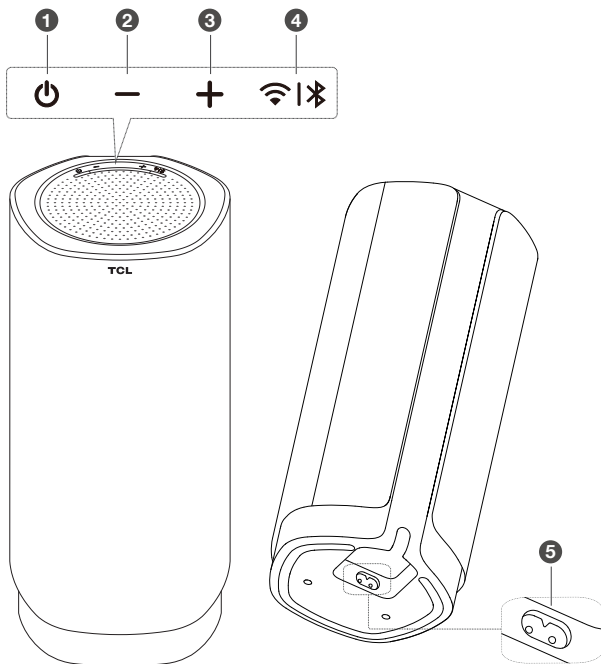
Manual



Warranty Card

\*The product comes in three colors (Gold, Metal, Green). Actual colors may vary slightly based on the inner packaging.

# Speaker description



- 1 Short press: Power on or enter network standby  
Long press: Long press for 5s to power off
- 2 Press to decrease the volume

### 3 +

Press to increase the volume

### 4

Short press: Switch between Wi-Fi and Bluetooth sources. After switching, perform the following:

Bluetooth:

1. If no devices are in the Bluetooth history list, "Bluetooth" will display for 3s, then enter pairing mode.
2. Under Bluetooth source, long press for 3s to enter pairing mode, then display pairing status.

Wi-Fi:

1. Default: Wi-Fi
2. Long press for 3s to enter Wi-Fi pairing mode. The TV can then detect the standalone power on/off SPK and maintain the previous source before shutdown.

### 5 Power supply

After connecting the power cable, the device powers on and automatically enters user mode.

Key combinations:

- Factory reset: While powered on, simultaneously press and hold , **+** and **-** for 10s.
- Check version number: While powered on, simultaneously press and hold **+** and **-** for 10s.
- Bluetooth networking function: Simultaneously press and hold  and   on the panel for 5s.

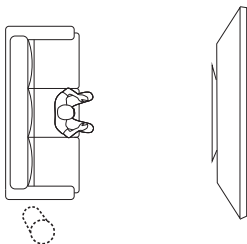


# Speaker position selection

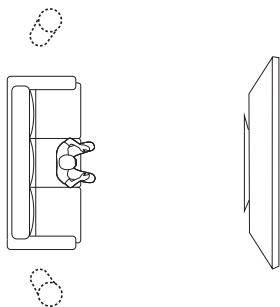
Ensure there are no obstacles between the TV and the speakers.

Refer to the diagram below for recommended speaker positions (up to 4 Z100 units).

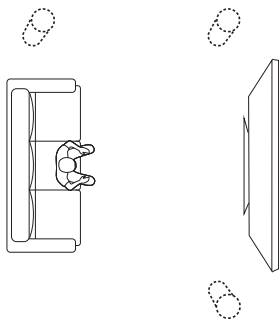
Recommended position for 1 speaker:



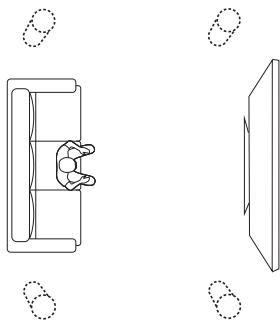
Recommended positions for 2 speakers:



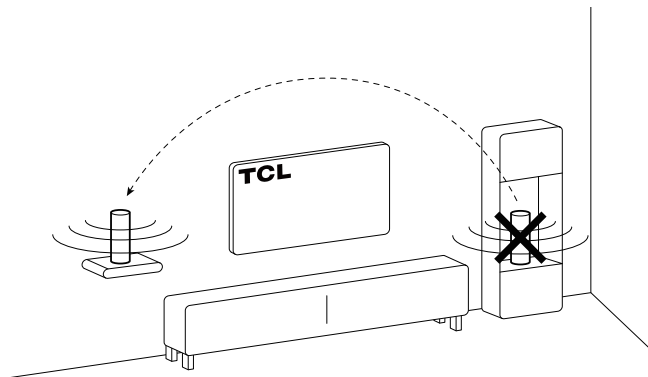
Recommended positions for 3 speakers:



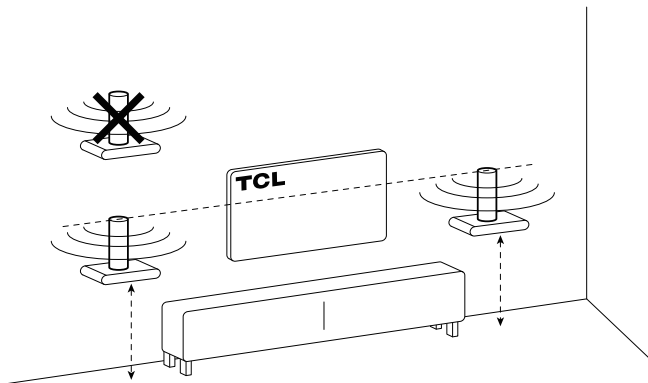
Recommended positions for 4 speakers:



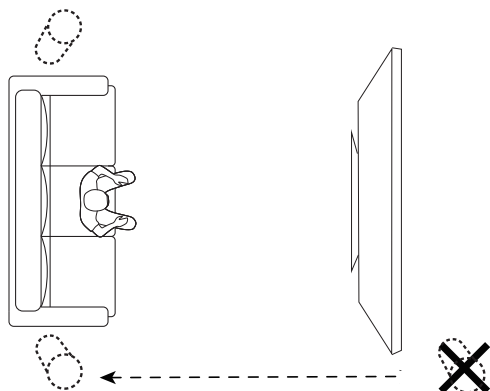
Avoid placing speakers in resonant cavities such as bookshelves and cupboards.



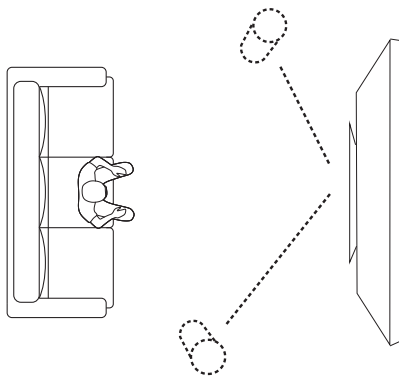
Position speakers at similar heights.



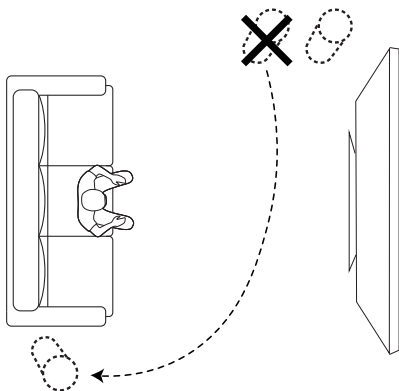
Do not position your speakers behind the TV.



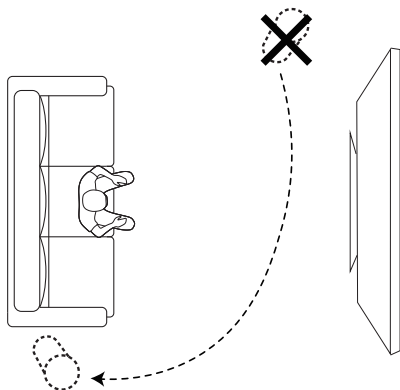
Ensure that there are no physical barriers between the TV and speakers.



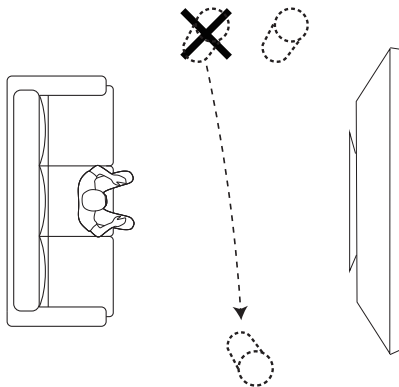
Avoid positioning all your speakers on one side. Balance them on the left and right side.



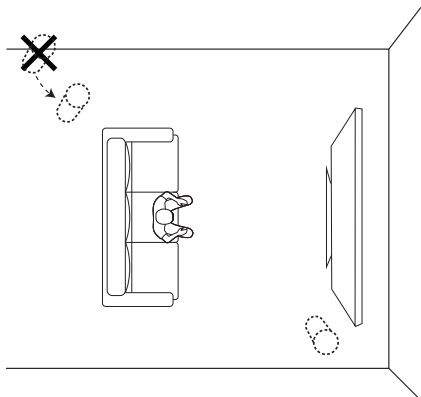
Balance speakers between the front and back (TV speakers count as front).



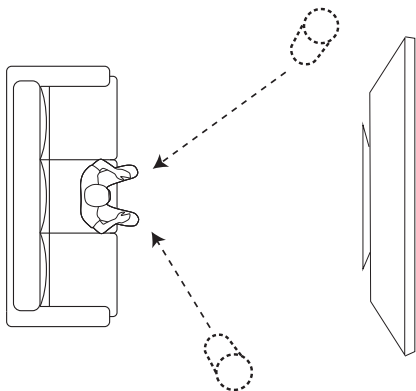
Do not cluster speakers together. Aim for an even distribution around the room.



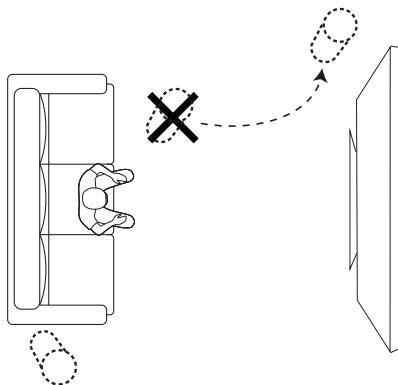
Avoid positioning speakers in a corner.



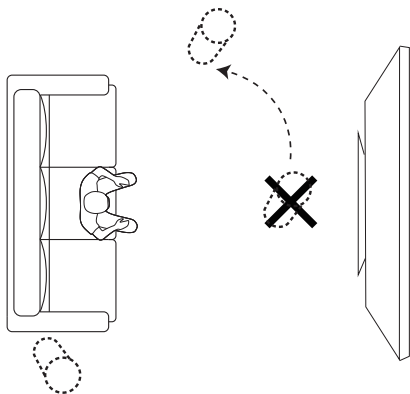
Position the speakers facing the listening position.



Avoid positioning speakers in close proximity to the listener position.



Do not use speakers as the central speaker.



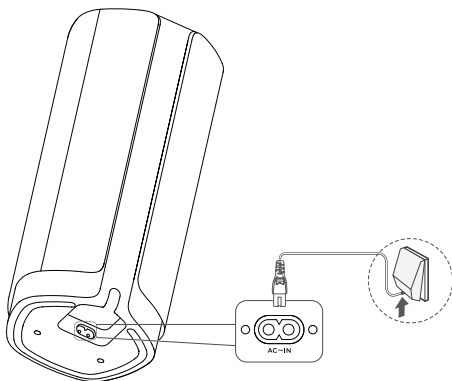
# 3 Connect Wireless Dolby Atmos Speaker

After securing the position of the speaker, connect them to your TV or other devices for audio playback. Ensure the audio on the TV or device is muted. For more information, refer to your TV or device user manual.

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## Connect the speaker to power

- 1 Before connecting the speaker to power, ensure all other connections are completed.
- 2 Ensure that the power voltage complies with your country's safety standards.
- 3 Connect one end of the provided AC power cable to the AC input port on the speaker, and the other end to a wall power outlet.





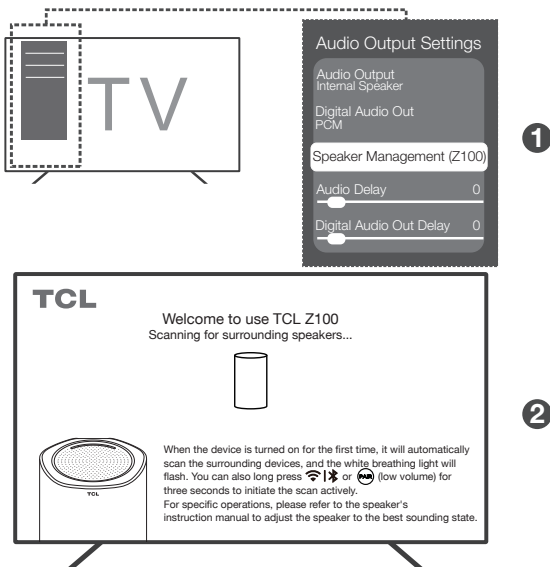
# TV pairing

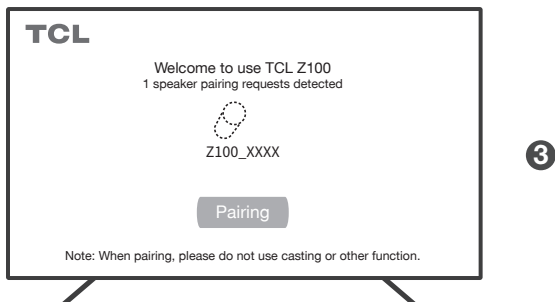
**Method 1:** When the product is started for the first time, it will automatically enter the pairing mode. The TV terminal needs to open the specified page to discover the list of speakers.

The path of the specified page: All Settings > Display and Sound > Audio Output Settings > Speaker Management (Z100) (> Pair and Manage > Add New Device)

(The path may vary depending on the specific model of the television.)

Note: Use it under a 5G Wi-Fi network.





## Notes

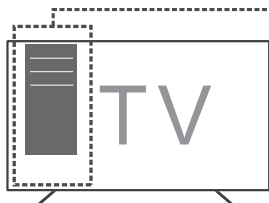
- XXXX represents the last four digits of the MAC address.
- If pairing fails with Method 1, execute Method 2 to re-trigger the speaker pairing.

**Method 2:** Short press   to switch to the Wi-Fi source, and then press and hold it for 3s to enter the pairing mode with the TV.

Follow the TV pairing path in Method 1 to pair.

## Notes

- Refer to TCL official website for supported TV models.
- Maintain connection in a 5G Wi-Fi environment.
- Obtain optimal viewing position before auto-calibration.
- When using Z100 speakers, video playback may pause during certain scenarios when accessing settings for optimal audio-visual experience.
- For best viewing effect, ensure speaker fronts face the user during calibration.



## Audio Output Settings

Audio Output  
Internal Speaker

Digital Audio Out  
PCM

### Speaker Management (Z100)

Audio Delay 0

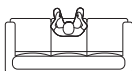
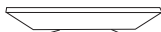
Digital Audio Out Delay 0

1

**TCL**

## Speaker Management (Z100)

Success: 1, Failures: 0



Recalibration

Device  
Management

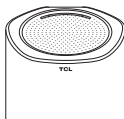
Software  
Updates

Add  
new device

2

**TCL**

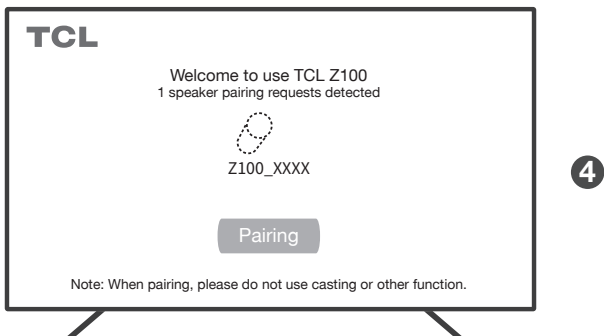
Welcome to use TCL Z100  
Scanning for surrounding speakers...



When the device is turned on for the first time, it will automatically scan the surrounding devices, and the white breathing light will flash. You can also long press or (low volume) for three seconds to initiate the scan actively.

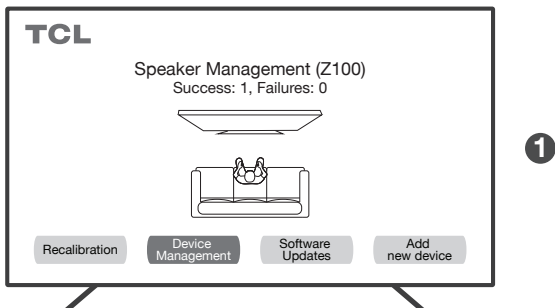
For specific operations, please refer to the speaker's instruction manual to adjust the speaker to the best sounding state.

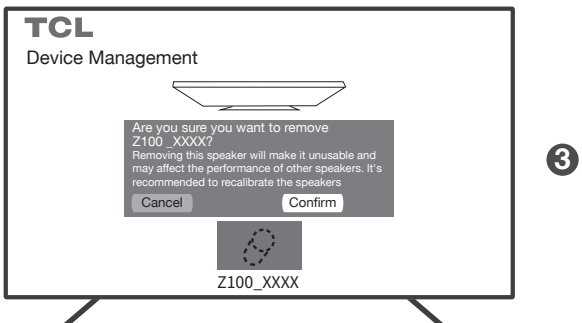
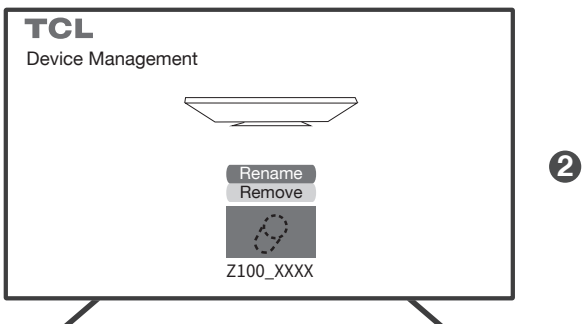
3



## Speaker management

Click "Sound" -> "Speaker Management".



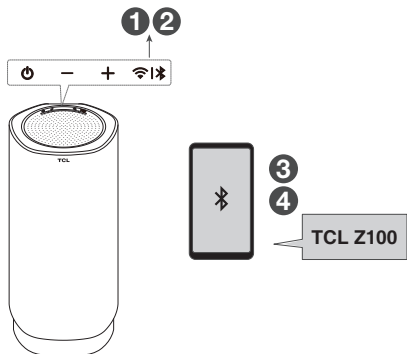


\* TV related schematic diagram. The actual TV interface display shall prevail.

# Connect the speaker to a bluetooth device

## Notes

- Ensure your wireless device supports Bluetooth function
  - Operating range between speaker and Bluetooth device is approximately 10m (no obstacles between devices)
- 1 Short press  |  button -> Switch to Bluetooth source (blue light will display).
  - 2 Long press  |  button for 3s to enter pairing mode.
  - 3 Enable Bluetooth on your device and ensure it is in pairing mode.
  - 4 Select **TCL Z100**.



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# Bluetooth networking function

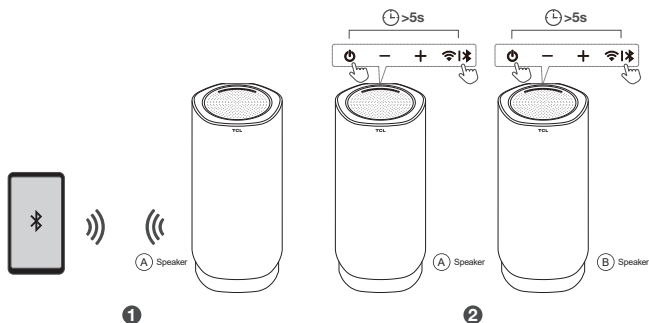
## Connection and pairing:

- 1 Activate networking function by long-pressing combo keys in Bluetooth mode.
- 2 For networking, one speaker must be connected to phone as host while the other speaker must not be phone-connected
- 3 Host speaker (phone-connected) pairs with slave (unconnected). System will auto-announce Left/Right after networking.
- 4 In the networking state, double-press  |  button to toggle stereo L/R channels (works with/without Bluetooth connection). Voice prompt indicates Left/Right.
- 5 Slave speaker disables Bluetooth visibility/connectivity.
- 6 The network feature has memory function. After restarting, the host/slave devices will maintain their previous mode and roles. If previously paired, they will automatically reconnect.
- 7 Upon successful networking, host shows solid orange light while slave shows slow breathing orange light.

## Operation control:

- 1 Supports synchronized volume adjustment between host and slave.
- 2 Host and slave power buttons operate independently.
- 3 Slave automatically syncs to host volume after connection.

- 4 In networking mode, the host maintains normal functions such as Bluetooth disconnection, pairing (long press the Bluetooth button), and reconnect with the same connection logic and LED indicators as standalone mode, while the slave remains unavailable.
- 5 Switching input source on host or slave automatically exits network mode.
- 6 After the host and slave are networked, to connect slave separately to Bluetooth devices, perform factory reset.
- 7 When the Bluetooth network is disconnected, long press   for more than 3s clears host/slave configuration. Network reconnect becomes unavailable (requires combo key press to re-establish).
- 8 When the system is shut down in a networking state, the next startup requires both machines to be powered on simultaneously or within a one-minute interval to automatically re-establish the network successfully.



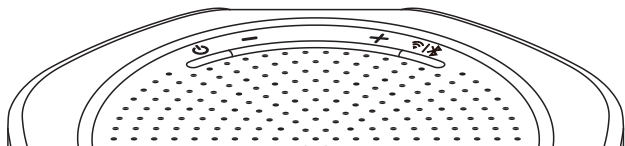


# 4 Use Speaker System

## Control the speaker through the panel

The LED status shown on the speaker is helpful to understand the behavior of the speaker.

Bluetooth: blue; Wi-Fi: white; system reset: autumn dew yellow; abnormal: red; other status: changing white.



| Key                                                                                              | Function                                                                                       | LED status on the speaker                                                                                                                                                                                               |
|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br>(Bluetooth) | Disconnect                                                                                     | The blue light flashes for 5s and then goes out.                                                                                                                                                                        |
|                                                                                                  | Pairing                                                                                        | The blue light flashes quickly and goes out 180s later                                                                                                                                                                  |
|                                                                                                  | Connected                                                                                      | It is normally on for 2.5s and fades out in 0.5s.                                                                                                                                                                       |
| <br>(Wi-Fi)     | Disconnect                                                                                     | It fades in and out for 5 times within 5s.                                                                                                                                                                              |
|                                                                                                  | Pairing                                                                                        | The white light flashes quickly and goes out 180s later.                                                                                                                                                                |
|                                                                                                  | Connected                                                                                      | It is normally on for 2.5s and fades out in 0.5s.                                                                                                                                                                       |
|               | Short press   | It fades in and out in 0.5s                                                                                                                                                                                             |
|                                                                                                  | Short press   | It fades in and out in 0.5s                                                                                                                                                                                             |
|                                                                                                  | Long press   | It fades in and out in 0.5s                                                                                                                                                                                             |
|                                                                                                  | Long press  | It fades in and out in 0.5s                                                                                                                                                                                             |
|                                                                                                  | Maximum volume                                                                                 | It fades in and out for 2 times in 1s, and then goes out.                                                                                                                                                               |
|                                                                                                  | Minimum volume                                                                                 | It fades in and out for 2 times in 1s, and then goes out.                                                                                                                                                               |
|               | Power on (standby/sleep -> power on)                                                           | After the startup process ends, it turns on in the color of the last input source status and switches to the corresponding input source.                                                                                |
|                                                                                                  | Standby/sleep                                                                                  | 1. It turns on, goes out gradually and sleeps in totally 3s.<br>2. It turns on, goes out gradually, and then flashes twice and goes out (flashing twice in 1s and then going out) and then stays standby in totally 4s. |
|                                                                                                  | Restore setting                                                                                | The autumn dew yellow light flashes continuously until the device is restarted to user mode.                                                                                                                            |

# 5 Specifications

## Product Name

Wireless free sound speaker with Dolby Atmos FlexConnect

## Speaker

- Power supply: AC 100-240V~50/60Hz
- Power consumption: 40W
- Standby power consumption (after long pressing the power button for 5s): < 0.3W
- Standby power consumption when network standby is enabled (Bluetooth source/Wi-Fi not connected: when no signal input or audio output for 20 minutes; Wi-Fi connected: follows TV standby): <2W
- Bass impedance: 4Ω
- Tweeter impedance: 8Ω
- Sky sound & full-frequency impedance: 6Ω
- Frequency response: 20 Hz-20 KHz
- Dimensions (length x height x width): 137.6x301.6x132.6mm
- Weight: 2.55 kg
- Operating temperature: 0°C-45°C
- Bluetooth frequency range: 2.40 - 2.4835 GHz
- Bluetooth transmitter power: < 20 dBm (EIRP)
- Wi-Fi network: IEEE 802.11 a/b/g/n/ac (2.4GHz/5GHz)
- 5G Wi-Fi frequency range: 5.15 – 5.35 GHz, 5.470 – 5.725 GHz, 5.725 – 5.85 GHz
- 5G Wi-Fi transmitter power: 5.15 - 5.25 GHz <23 dBm, 5.25 - 5.35 GHz & 5.470 - 5.725 GHz <20 dBm, 5.725 - 5.825 GHz <14 dBm (EIRP)
- 2.4G Wi-Fi frequency range: 2.4 – 2.4835 GHz
- 2.4G Wi-Fi transmitter power: < 20 dBm (EIRP)

## Bluetooth

- Bluetooth version: 5.3, Bluetooth profiles - supports stereo Bluetooth (Advanced Audio Distribution Profile-A2DP; Audio/Video Remote Control Profile-AVRCP)

## For 5G WIFI Device

The device for operation in the band 5150-5350 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.

\* Operation of 5150-5350MHz is restricted to indoor use only.

|                                                                                   |    |    |    |    |    |    |         |
|-----------------------------------------------------------------------------------|----|----|----|----|----|----|---------|
|  | BE | BG | CZ | DK | DE | EE | IE      |
|                                                                                   | EL | ES | FR | HR | IT | CY | LV      |
|                                                                                   | LT | LU | HU | MT | NL | AT | PL      |
|                                                                                   | PT | RO | SI | SK | FI | SE | UK (NI) |

The product complies with Commission Regulation (EU) 2023/826 ecodesign requirements for off mode, standby mode, and networked standby energy consumption of electrical and electronic household and office equipment.

### 1. Information on power consumption

- Off mode:  $\leq 0.3 \text{ W}$
- Standby mode: N/A
- Networked standby mode:  $\leq 2.0 \text{ W}$

2. The period after which the power management function switches the equipment automatically into:

|                   |                                               |                                                                                                                          |
|-------------------|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Off /Standby      | When the system is normal operation           | Long press power button  more than 5s |
| Networked Standby | When wireless network connection is activated | Switched to networked Standby mode after 20 minutes of inactivity                                                        |

### 3. How to activate Wi-Fi and Bluetooth wireless network

connections:

- Set up the equipment properly;
- The default setting is Wi-Fi mode
- Short press  |  to switch WiFi and Bluetooth source

How to deactivate WiFi network connections:

- Switch to Bluetooth source

How to deactivate Bluetooth network connections:

- Switch to WiFi source

# 6 Notice

---

## Declaration of conformity

Hereby, TCL Overseas Marketing Limited declares that the radio equipment type wireless speaker is in compliance with relevant UK statutory requirements.



The full text of the declaration of conformity is available at the following internet address: <http://www.tcl.com> go to Support and enter the model name.

Hereby, TCL Overseas Marketing Limited declares that the radio equipment type wireless speaker is in compliance with Directive 2014/53/EU.



The full text of the EU declaration of conformity is available at the following internet address: <http://www.tcl.com> go to Support and enter the model name.

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## Disposal of your old product



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



This symbol on a product means that the product is covered by European Directive 2012/19/EU.

which cannot be disposed of with normal household waste. Inform yourself about the local separate collection system for electrical and electronic products. Follow local rules and never dispose of the product with normal household waste.

Correct disposal of old products helps prevent negative consequences for the environment and human health.

### **Environmental protection and sustainability**

We have omitted all unnecessary packaging and make sure it is eco-friendly and sustainable.

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## **Statement of Compliance - for products dedicated to UK market**

2023 No. 1007 The Product Security and Telecommunications infrastructure (Security Requirements for Relevant Connectable Products) Regulations 2023

The product is in compliance with the following standard(s) or normative document(s):

ETSI EN 303 645 V2.1.1:2020-06

Provision 5.1-1

Provision 5.1-2

Provision 5.2-1

Provision 5.3-13

The full text of the UK declaration of conformity is available at the following internet address: [www.tcl.com](http://www.tcl.com).

Choose the model name and go to DOWNLOADS.

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# Trademarks

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**TCL support:**

Please visit [www.tcl.com](http://www.tcl.com)

**Safety public contact:** [safetyEU@tcl.com](mailto:safetyEU@tcl.com)

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**WE ARE  
READY TO  
HELP** contact us first  
with any questions



**TAKE CARE WHEN  
REMOVING THE SPEAKER**

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