

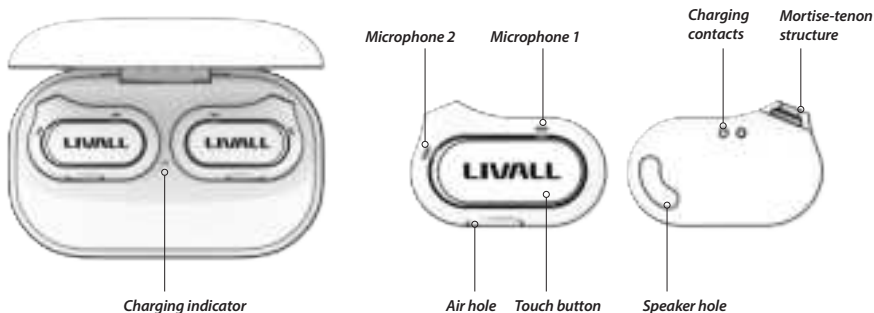


## **LTS21**

### **Multi-Functional Sports Headphones**

## 1. Introduction

Welcome to use LIVALL TWS multifunctional sports headphone, this manual will guide you how to use this product better. With the continuous improvement of the company's products, this manual will be updated from time to time. Also you can get the latest version and learn more information about headphones on LIVALL's official website ([www.livall.com](http://www.livall.com)).



## 2. Packing list

LIVALL TWS multifunctional sports headphones \*1  
Type-C charging cable \*1

Charging box \*1  
Traveling bag \*1

Head hanging bracket \*1  
Manual \*1

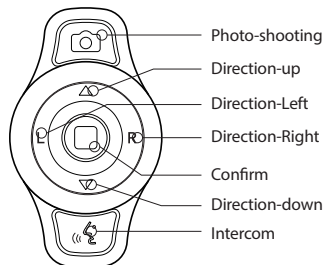
Helmet bracket \*1  
Spare 3M glue \*4

## 3. Instructions for use

### Begin to use

When opening the package to use it for the first time, please tear off the insulation film on the charging contacts, then plug in the charging cable, and charge it for 10 minutes to activate the Headphones.

(The Headphones are in transport mode after leaving the factory. In this mode, they can standby for 12 months, and need to be charged for activation before use)



Function	Left Headphones	Right Headphones	Bling remote controller (when equipped)
Power on	Long press for 3 seconds		Press any key
Play / Pause	Tap twice		Click the "Confirm" key
Previous song	Long press for 2 seconds		Long press the "up" arrow key
Next song	Long press for 2 seconds		Long press the "down" arrow key
Answer/hang up	Tap twice		Click the "Confirm" key (incoming call)
Refuse	Long press for 2 seconds		/
Voice assistant	Tap three times		Press the "Intercom" key

### Charging box function

#### 1. Headphones off:

Due to the large contact area of the Headphones keys, in order to avoid accidental contact, the Headphones body does not have the power off function. If you need to power off the Headphones, please remove the Headphones and put it in the charging box.

#### 2.Electric quantity display:

The Headphones is placed in the charging box, the charging box power is less than 20%, the read is always one for 2S, when the charging box power is more than 20%, the white is always on for 2S.

#### 3.Clear headphone pairing records:

With the charging box is open and the Headphones is in the warehouse, press the button on the back of the charging box for 15 seconds, then the red and white will alternate for 3 to 15 seconds, and the red light will blink for 5 seconds after 15 seconds.



### Assemble/wear headphones

Headhang mode: According to the figure, place the logo outward, align the connector of the R/L logo on the headhang bracket with the connector of the R/L logo on the Headphones, push it in, and fasten it tightly. Wear the headhang Headphones on the ear, adjust the comfortable position, and then use it.



Helmet mode: 1. With the logo facing outward, align the connector of the R/L logo of the Helmet bracket with the R/L logo of the Headphones, push it in, and fasten it tightly.2. Wear the helmet that requires Headphones; 3. Tear off the Spare 3M glue of the helmet bracket, put the Headphones in the comfortable position of the ear as shown in the picture, attach the helmet bracket, press and stand for 24 hours;Due to the different ear position of each person, the installation position of helmet bracket is different. If the helmet user is changed, the position of Helmet bracket needs to be adjusted again.



**Bluetooth connection**

- 1.Opening the charging case, take out the Headphones and touch the Headphones LOGO until the indicator blinks quickly to enter the pairing mode.
- 2. Open the Bluetooth list of the mobile phone and find "LIVALL LTS21" to connect.
- 3. Press any key to activate and pair the Headphones with the flash control. After successful pairing, you can confirm whether the connection is successful by checking the volume adjustment function
- 4. Clear Headphones pairing record: With the charging box open and the Headphones in the compartment, press the button on the back of the charging box for 15 seconds, then the red and white will alternate for 3 to 15 seconds, and then the red light will blink for 5 seconds after 15 seconds.

**4.Technical parameters**

**Headphones**

Battery capacity: 85mAh	Speaker: $\Phi$ 16.2 mm - 20 $\Omega$	Battery life for music only: 12H	Call life: 12H
Waterproof and dustproof grade: IP64		Bluetooth version: Bluetooth 5.2	Charging time: 1H
Call encoding format: CVSD 8K mSBC 16K		Noise reduction: Call noise reduction (ENC)	
Microphone: 2 MIC (main MIC+ Noise reduction MIC)		Headphones status indicator LED: 1* White LED	

**Charging case**

Battery capacity: 800mAh/2.96Wh	Charging time: 3H	Charging port: Type-C
CMIIT ID: 2022DP0590	FCC ID:2AEKF-LTS21	Operating temperature: -10°C ~ 50°C

## Battery warning

This product contains a built-in Li-ion battery, please do not expose this product to strong sunlight, fire or throw it into the fire to avoid explosion. Please dispose of the battery in accordance with local regulations and do not treat it as household waste. Unless otherwise specified in the user's manual or quick start guide, you must not remove or replace the battery by yourself. Such operations may damage your product.

### Safety rules

1. Do not remove or modify the Headphones for any reason, otherwise it may lead to Headphones failure and burnout, which are not covered by the warranty.
2. Do not get the device wet with liquid, otherwise it will cause serious damage to the device, the manufacturer will not provide warranty service for the damage caused by water ingress.
3. Do not place the device for a long time in an environment where the temperature is too high or too low (above 75 °C or below -40 °C ).
4. Please avoid using the indicator near the eyes of children or animals.
5. Do not use the device in thunderstorms, which can cause abnormal operation of the device and increase the risk of electric shock.

### After-sales service and support

If the product you purchased has non-human caused problems, please send it back to our dealer for warranty.

In order to meet the laws, regulations and other requirements related to the restriction of hazardous substances in electrical and electronic products in EU, the hazardous substances in this product are classified by parts and declared as follows:

Part name	Hazardous substances									
	Pb	Cd	Hg	Cr(VI)	PBB	PBDE	DIBP	DBP	BBP	DEHP
Circuit board	○	○	○	○	○	○	○	○	○	○
Plastic part	○	○	○	○	○	○	○	○	○	○
Hardware part	×	○	○	○	○	○	○	○	○	○
Speaker	○	○	○	×	○	○	○	○	○	○
Wire & cable	○	○	○	○	○	○	○	○	○	○
Battery	○	○	○	○	○	○	○	○	○	○
Accessory	○	○	○	○	○	○	○	○	○	○
This table is prepared in accordance with the provisions of 2011/65/EU&(EU)2015/863.										

○ Indicates that the content of the hazardous substance in all homogeneous materials of the part is below the limit specified in 2011/65/EU&(EU)2015/863.

× Indicates that the content of the hazardous substance in at least one homogeneous material of the part exceeds the limit specified in 2011/65/EU&(EU)2015/863.

*The hazardous substances in the parts marked with "x" in this table can not be replaced due to the limitation of global technology development level.*

*Printed circuit board assembly (PCBA)\*: including printed circuit board and their parts, electronic components, etc.  
Depending on the product model, the product you purchase may not contain all of the above parts.*

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

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

Hereby, LIVALL Tech Co., Ltd. declare that the radio equipment type LTS21 Multifunction Sports Headphones is compliance with Directive 2014/53/EU.



Operating Frequency Range	The maximum RF Output Power
Bluetooth 2402 - 2480 MHz	Right: 7.24dBm
	Left: 6.34dBm

Manufacturer name: LIVALL Tech Co., Ltd.

Manufacturer Address: Room 607, 6F, R&D Building, Tsinghua Hi-Tech Park, Nanshan District, Shenzhen, China

# LIVALL's Warranty Details

## I.Warranty Details

1. If there is any discrepancy or omission between the following and any national policy, the national policy shall prevail.
2. The warranty time is 1 year after purchase. Any quality problem can be maintained for free or it can be replaced within 30 days after purchase if re-sale is available.
3. LIVALL bears no responsibility for warranty over other product components. i.e, the Quick Start Guide, Warranty Card, etc.

## Contact us to learn more

*Facebook: @ livallhelmets*  
*Service mailbox: support@livall.com*

*Instagram: @ livallhelmets*  
*Service line: +86 400 8933 338*

## II.Warranty Description

The warranty services are only valid under conditions of normal use. In case of any damage caused by reasons unrelated to product quality or any of the following circumstances, warranty services shall not be provided. But paid maintenance may be carried out:

1. The warranty period expires;
2. There is no valid invoice or warranty certificate, unless it can be otherwise proved that the product is within the validity date of the warranty period;
3. The details on the warranty certificate do not match the specific goods or are altered;
4. Any damage caused by use, maintenance or care that contravenes the guidelines of the product's instruction manual;5  
. Any damage caused due to disassembly by non- LIVALL designated service centers;
6. Any damage caused by force majeure;
7. The product's natural wear and tear, such as on housing, buttons, paint, accessories, etc.
8. Any malfunction, defect or flaw not caused by LIVALL.

## LIVALL Warranty Card

### To Be Completed Upon Purchase

Product model \_\_\_\_\_ Related accessories \_\_\_\_\_  
Bar code of product \_\_\_\_\_ Bar code of accessories \_\_\_\_\_  
Distributor's name (with seal upon purchase) \_\_\_\_\_  
Purchase date \_\_\_\_\_ Other info. \_\_\_\_\_

### Below is To Be Completed By Customer

Customer name \_\_\_\_\_ Tel. (with area code) \_\_\_\_\_  
Correspondence address \_\_\_\_\_ Postcode \_\_\_\_\_  
Invoice No. \_\_\_\_\_  
Description of the fault(s) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_





*LTS21-QA-V1.0*