

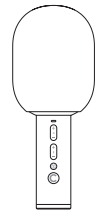
CALF



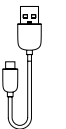
CALF SPEAKER MICROPHONE C12

User Manual

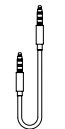
Product Overview



CALF Speaker Microphone C12



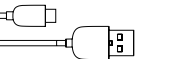
Charging cable X 1



Audio cable X 1

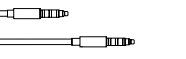
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Accessories Introduction



USB charging cable

Connect it to power bank, computer USB port or power adapter to charge the product.

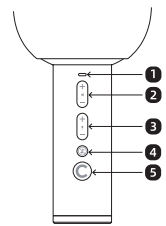


Audio Line

Some devices common to Android and Apple systems need it to be used with an adapter cable.

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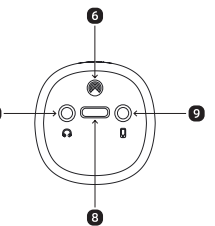
Button Introduction



1. Work indicator
2. Speaker volume control button
3. Microphone volume control button
4. Original sound cancel button
5. Power button / sound effect control button

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Button Introduction



6. Bluetooth reset button
7. 3.5mm earphone cable port
8. USB cable port
9. Audio cable port

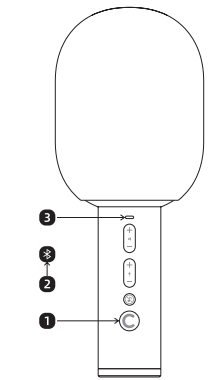
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Button Description

- 1. Work indicator**
The white indicator light turns on (off) as the power is turned on (off); the red indicator light turns on when the microphone is charging.
- 2. Speaker volume control button**
It includes volume plus and volume minus buttons, which controls speaker volume across eight grades.
- 3. Microphone volume control button**
It includes volume plus and volume minus buttons, which can adjust the microphone's pickup volume across eight grades.
- 4. Cancel the original sound button**
Press the button for a short time to turn on/off the original sound function.
- 5. Power button/ sound effect control button**
Press and hold the button for 2 seconds to turn on, press and hold it for 3 seconds to turn off; in power-on state, click the button, the microphone goes into the next grade in the sequence of: original mode → super reverb mode → singer mode → pop music mode → folk or military music mode → host mode → anime mode → monster mode → electronic mode → original mode. and the factory default is the singer effect.
- 6. Bluetooth reset button**
Press and hold the button for 3 seconds to reset Bluetooth of the product.

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Bluetooth Instructions



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Bluetooth Instructions

- 1. Bluetooth mode:**
Press and hold the power button for 2 seconds to enable the power supply, and the white indicator will be on. When the audio cable port is not connected, Bluetooth mode is a default for CALF speaker microphone.
- The first connection, After hearing the prompt tone indicating CALF speaker microphone has been turned on, open the Bluetooth of your phone and search for the equipment. Then, click "CALF speaker microphone C12" for connection. When it is successfully connected, the equipment will give a corresponding prompt tone that says "Bluetooth connected "
- 3. Indicator description:**
When the Bluetooth is not connected, the white indicator will keep blinking for 1 minute, and it will then be always on. When the Bluetooth is connected, the white indicator will keep being on after the prompt tone is given.

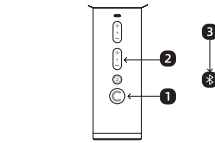
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Technical Parameters

[Product Model]	XiaoChang C12
[Bluetooth version]	Bluetooth 5.2
[Reverb Mode]	Reverb
[Digital equalization]	EQ adjustment
[Recording Mode]	Listening Wet, Recording Dry
[Radio Frequency Shielding]	Anti-cell phone / SMS interference
[Outer diameter of the capsule]	9.7mm
[Sound head type]	Condenser sound head
[Sensitivity]	-37±3dB
[Frequency response]	20Hz ~ 20kHz
[Directionality]	Supercardioid
[Speaker power]	1X5W
[Battery capacity]	1500mAh
[Charging power supply]	DC 5V 1A
[Weight]	305g

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Listening Mode



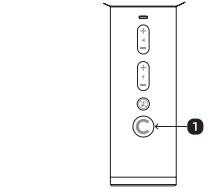
1. Press and hold the power button for 2 seconds, the white indicator light will be on, indicating the microphone is successfully turned on;
2. Turn the microphone volume to the lowest to disable the microphone pickup function;
3. Connect your phone through Bluetooth;
4. Turn on Changba or other music player APP, then adjust the phone or speaker to a proper volume;
5. Play the music and enjoy using it.

Special instruction:

To prevent secondary playback of the amplified music to be picked up by the microphone which impairs sound quality, the microphone pickup function may be directly turned off by pressing and holding the volume button for 2 seconds.

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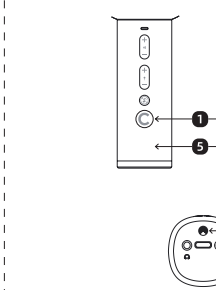
Wireless Hi-Sing Mode



1. Press and hold the power button for 2 seconds until the light on to turn on the device;
2. Turn on the Bluetooth of the mobile phone, search for "CALF speaker microphone C12" and click it to connect to the Bluetooth;
3. Adjust the power button / sound effect control button to select the appropriate sound effect;
4. Open Changba or other music player APP, adjust the microphone to a proper volume, play the music and enjoy it.

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Wireless Duet Mode



1. Switch on the power of two CALF microphones;
2. Press and hold the Bluetooth reset button to disconnect the microphones and other equipment;

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Wireless Duet Mode

- Press and hold the "volume+" button on either of the two microphones as the main microphone for 2 seconds and the work indicator will flash quickly. When the two microphones simultaneously prompt "duet mode on", and the main microphone prompt "please connect your phone", the two microphones are successfully paired;
- Turn on the Bluetooth on your phone, search and click "CALF speaker microphone C12" to enable the Bluetooth connection (only can sort out one microphone);
- Open Changba or other karaoke apps on your phone and adjust to the proper volume;
- Start singing together with friends.

Special Note:

- Wireless Duet Mode requires two CALF speaker microphones, and does not support pairing of more than two devices;
- After the two microphones are paired successfully, shutting down or resetting any one of the microphones will disconnect the pairing state.
- Wireless duet mode does not support Bluetooth recording.

Equipment Charging



- You can charge your microphone by portable power source, computer USB port or power adapter;
- During the charging progress, the indicator will be in red;
- When charging finished, the indicator will be off.

Equipment Charging

Note:

If you turn on the power switch when charging, the indicator will be in white and red (in a pink light effect state).

It is recommended to keep the microphone off until the charging is completed.

Note:

- In the power-on state, when the power of microphone is less than 10%, the red indicator light flashes, indicating that the power is low, and you can hear the prompt voice of low power;
- To use the power adapter for charging, you should purchase a power adapter that has obtained CCC certification and meets the standard requirements. It is recommended to choose a 5V 1A power adapter for charging;
- Do not charge the battery when the temperature is below 0, because the low temperature may cause the battery damaged.
- Batteries must not be exposed to excessive heat such as sunlight, fire, etc.

Declaration

Part name	Toxic and Hazardous Substances or Elements					
	Plum-bum (Pb)	Mer-cury (Hg)	Cad-mium (Cd)	Hexava-lent chro-mium (Cr6+)	Polybro-minated biphenyls (PBB)	Polybro-minated diphenyl ethers (PBDE)
Plastic case	○	○	○	○	○	○
Battery	X	○	○	○	○	○
Circuit board	X	○	○	○	○	○
cable connector	X	○	○	○	○	○

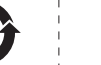
○ : Indicates that the content of the toxic and hazardous substances in the homogeneous material of the part is below the limit requirements specified in GB/T26572-2011 "Limited Requirements for Restricted Substances in Electrical and Electronic Products".

X: Indicates that the content of the toxic and hazardous substances in at least one homogeneous material of the component exceeds the limit requirements specified in GB/T26572-2011 "Limited Requirements for Restricted Substances in Electrical and Electronic Products", and there is currently no mature alternative in the industry scheme, in line with the environmental protection requirements of the EU RoHS directive.

Note: The radio type approval CMIIT ID is on the product nameplate. Copyright @ Beijing Changba Science and Technology Co., Ltd. All rights reserved.

CALF

Beijing Changba Science and Technology Co., Ltd
<http://www.changba.com>



Contact Us

Customer Service:

CALF products are covered by an 12-month limited warranty from the date of its original purchase. If any problems occur, please contact our support team.

We can only provide after sales service for products that are sold by CALF or CALF authorized retailers and distributors. If you have purchased your unit from a different place, please contact your seller for return and warranty issues.

Website: <http://www.calfglobal.com>

Mail Support: support.global@changba.com

Warranty

Warranty Regulations:

Within 7 days from the date of purchase, if CALF speaker microphone has quality defect, the customer may choose to refund the purchase at the invoice price or replace it with a new one of the same model and specification.

Within 15 days from the date of purchase, if CALF speaker microphone has a quality defect, the customer may choose to replace it with a new one of the same model and specification; The period of warranty services (repair, replacement and refund) for CALF speaker microphone is one year; The warranty will be invalid if it is altered. When there is no warranty card, or the valid receipt is lost, or the warranty period has expired;

When the damage is caused by failure to use, maintain or store the product as required by the instruction; When the damage is caused by force majeure such as fire disaster, flood, lightning stroke, etc.;

When the product model or code on the warranty card is not in line with the product; When the damage is caused by disassembly and repair by non-CALF authorized service personnel;

In cases mentioned above, the consumer may seek a solution from related responsible party or choose paid service; Normal discoloration, wear or consumption generated by the use of the product are not faults included in the warranty scope; Please understand that any product failure caused by customer's own reason does not fall into the scope of after-sale service.

Warranty Card

Customer name: _____

Phone number: _____

Customer address: _____

Product name: _____

Product model: _____

Factory number: _____

Means of purchase: _____

Date of purchase: _____

Warranty Records

Record of first service	
Delivery time	
Fault condition upon delivery	
Fault reason	
Fault handling information	
Certificate of return and replacement	
The date of handover for examination	
Signature of the maintenance staff	

Record of second service	
Delivery time	
Fault condition upon delivery	
Fault reason	
Fault handling information	
Certificate of return and replacement	
The date of handover for examination	
Signature of the maintenance staff	

FCC Statement:

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 party responsible for compliance could void the user's authority to operate the equipment.

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. The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.



EU Declaration of Conformity

Hereby, Beijing Changba Technology Co.,Ltd. declares that the radio equipment type 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.calfglobal.com>

CAUTION:

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.



To prevent possible hearing damage, do not listen at high volume levels for long periods.



Environmentally friendly disposal.

Old electrical appliances must not be disposed of together with the residual waste, but have to be disposed of separately. The disposal at the communal collecting point via private persons is for free. The owner of old appliances is responsible to bring the appliances to these collecting points or to similar collection points. With this little personal effort, you contribute to recycle valuable raw materials and the treatment of toxic substances.

Safety information:

- The temperature range of the battery is -20-60°C in transportation and -20-60°C in storage.
- Don't put the battery into fire or a hot oven, or mechanically crushing or cutting a battery, that can result in an explosion.
- Don't leave a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas.
- Don't low than 86kPa air pressure that may result in an explosion or the leakage of flammable liquid or gas.
- Don't replace the battery pack with an incorrect type that can defeat a safeguard.
- Don't charge the battery under the following conditions:
A: in direct sunlight, temperatures below 5°C;
B: The maximum battery surface temperatures 52°C.
- If you listen at a high volume for a long time, there will be a warning signal.
- Please use USB2.0 and below ports for power.
- The normal working temperature of the product is 0-40°C.