Manuals+ — User Manuals Simplified.

BEEBEST BE700 Bluetooth Intercom Communication System User Manual

Contents

BEEBEST BE700 Bluetooth Intercom Communication System

TEST REPORT

Product Name	:	BEEBEST Q bluetooth intercom communication system
Model Number	:	BE700
FCC ID	:	2BCYIBE700

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Product Information

Specifications

- **Product Name:** BEEBEST Q Bluetooth Intercom Communication System
- **Buttons:** Music button, Mesh intercom button, Function button, Volume lever, Charging port

Getting Started

Button Description
The device includes the following buttons:

- Music button
- Mesh intercom button
- Function button
- Volume lever
- Charging port

App Download QR Code
To download the companion app for the device, scan the provided QR code.

Helmet Installation Notes
For securely mounting the intercom headset to the helmet, follow these steps:

Back Clip Installation

1. Break the clip apart and insert it between the helmet inner pad and outer shell.
2. With the ear as the center position, put the speaker and the adhesive sheet into the speaker groove of the helmet. If there is no speaker groove in some helmets, please consult the helmet manufacturer.
3. If the speaker groove of the helmet is deep, the speaker pad could help raise up the speaker so that it is close to the ear.

Microphone Installation
Depending on the type of helmet, follow one of the installation methods:

- **Full Helmet Mount:** Stick the soft microphone on the inside of the helmet at the mouth position and use Velcro to fix the microphone cable.
- **3/4 Helmet Installation:** Insert and fix the hard rod microphone between the inner pad and the outer side shell of the helmet. Bend the microphone rod and adjust the height. Put on the sponge windproof cover and ensure that the microphone is in a proper position close to the mouth.

Main Unit Installation
To install the main unit to the base, follow these steps:

1. Align the main unit with the notch of the base.
2. Rotate the main unit clockwise until it stops. The rotation angle is about 50 degrees.

Main Unit Disassembly
To disassemble the main unit from the base for charging, follow these steps:

1. Forcefully turn the main unit counterclockwise until it is removed from the notch. The rotation angle is about 50 degrees.

Function Display Pattern List
The device has various function display patterns, including:

- Power on
- Power off
- Charging
- Battery low
- Abnormal temperature
- High temperature shutdown
- Volume up
- Volume down
- Bluetooth searching
- Bluetooth connected
- Call incoming
- Fast dial
- Mesh intercom search

- Firmware upgrade
- Firmware upgrade failed

Power On and Off

- **To power on the unit:**
    - In the power off state, press the **+** and **–** buttons at the same time.
- **To power off the unit:**
    - In any mode, press the **+** and **–** buttons at the same time.

Charging
To charge the intercom headset:

- Connect the provided USB-C cable to the device.
- The unit can be fully charged in about 2.5 hours (charging time varies depending on the charging method).

Note: This product has a fast charging function. After charging for 0.5 hour, you can get 2 hours of MESH intercom communication time.

Caution: This product is only compatible with USB charging devices with an input voltage of 5V. Using a non-compliant charger may cause fire, explosion, leakage, or other hazards, and may also damage the battery's lifetime or performance.

Battery Level Check
The current battery level of the device will be broadcasted when powering on. When the remaining battery life is less than 2 hours, a low battery reminder will be broadcasted with the prompt "The current battery is less than 10%, please charge as soon as possible."

Frequently Asked Questions

- **Q: Is this product waterproof?**

  A: Yes, this product is waterproof and suitable for outdoor use.
- **Q: Can I use this intercom system with other brands?**

  A: The BEEBEST Q Bluetooth Intercom Communication System is designed to work seamlessly with other BEEBEST devices. Compatibility with other brands may vary.
- **Q: How far is the range of the mesh intercom communication?**

  A: The range of the mesh intercom communication can reach up to 1 mile in ideal conditions. However, the actual range may be affected by various factors such as obstacles and environmental conditions.
- **Q: Can I listen to music while using the intercom?**

  A: Yes, you can listen to music through the intercom system. Simply press the music button to switch between music playback and intercom communication.

User Manual of
BEEBEST Q Bluetooth intercom communication system

Getting Started

1. **Button description**

    Including: music button, mesh intercom button, function button, volume lever, charging port

2. **App download**

    QR code

3. **Helmet Installation Notes**

    Installation video QR code

    To securely mount the intercom headset to the helmet, follow these steps:

    1. **Back clip installation**
        1. Break the clip apart and insert it between the helmet inner pad and outer shell
        2. With the ear as the center position, put the speaker and the adhesive sheet into the speaker groove of the helmet (if there is no speaker groove in some helmets, please consult the helmet manufacturer), if the speaker groove of the helmet is deep, the speaker pad could help to raise up the speaker so that speaker will close to the ear
        3. **Install the microphone:**

            Full helmet mount: stick the soft microphone on the inside of the helmet at the mouth position and use Velcro to fix the microphone cable 3/4 helmet installation: Insert and fix the hard rod microphone between the inner pad and the outer side shell of the helmet, bend the microphone rod and adjust the height, put on the sponge windproof cover, and ensure that the microphone is in a proper position close to the mouth

    2. **Pasting installation**
        1. For any reason the base cannot be mounted on the helmet with the back clip, the base can be mounted by the paste method.
        2. Remove the rubber pad of the base and replace it with the 3M adhesive pad (ring shape) attached in the package
        3. Find an appropriate location on the surface of the helmet to install the device (it is recommended to place it on the lower left side), and clean the installation location on the surface of the helmet with alcohol cotton to ensure that there is no dust or dirt attached
        4. Tear off the protective layer of the 3M adhesive pad, stick the base on the surface of the helmet, press firmly and keep it for a few minutes
        5. Continue to install the speaker and microphone, please refer to 3.1 for the installation method

    3. **Install the main unit to the base**

        Align the main unit with the notch of the base, and rotate the main unit clockwise until it stops (the rotation angle is about 50 degrees)

4. **Disassemble the main unit from the base**

    When it needs to be charged, you can forcefully turn the main unit counterclockwise until it is removed from the notch (the rotation angle is about 50 degrees)

function display

pattern list:

- Power on appear gradually
- Power off fade away
- Charging Dynamic Effects Loop

- Battery low fast flashing
- Abnormal temperature flashing
- High temperature shutdown flashing to shutdown
- Volume up steady on for 2s
- Volume down steady on for 2s
- Bluetooth searching dynamic effect for 1 minute
- Bluetooth connected steady on for 5s
- Call incoming constant light dynamic effect
- Fast dial dynamic effect cycle
- Mesh intercom search dynamic effect cycle
- Firmware upgrade animation effect 30s
- Firmware upgrade failed steady on for 3s

Power on and off

- In the power off state, press <function key + Music key> or <function key + Team key> at the same time to power on the unit
- In any mode, press <function key + Music key> or <function key + Team key> at the same time to power off the unit

charging

- You can connect the USB-C cable included in the package to charge the intercom headphone, and the unit can be fully charged in about 2.5 hours (charging time varies depending on the charging method)
- This product has a fast charging function, after charging for 0.5 hour, you can get 2 hours MESH intercom communication time
- **Note:** This product is only compatible with USB charging devices with an input voltage of 5V, using a non-compliant charger may cause fire, explosion, leakage or other hazards, and may also damage the life time or performance of the battery

Battery level check

- current battery level of the device will be broadcasted when power on.
- When the remaining battery life is less than 2 hours, low battery reminder will be broadcasted, and prompt "The current battery is less than 10%, please charge as soon as possible"
- When the remaining battery life is less than 0.5 hour, a low battery warning will be broadcasted, and prompt "the current battery is low, and it will shut down soon"

volume adjustment

- Turn the lever button clockwise to increase the volume, and turn the lever button counterclockwise to decrease the volume.
- If you keep the action while turning the lever, the volume will increase/decrease continuously.
- This product can customize the volume, prompt tone, etc. of each function through the App. Settings via the

App will not be reset when the headset is restarted.

Pair with phone

1. **Initial pairing**
   When power on for the first time or restarting after deleting all pairings, it will automatically enter the mobile phone pairing state;
2. **Enter pairing at power on state**
   If you want to turn on the mobile phone pairing mode in the next power on process after power on, press and hold <function key + Music key> or <Team key + function key> for 2 seconds in the off state, the unit will turn on and enter the phone pairing state, it will not reconnect to the previously connected device
3. **Enter pairing during normal use**
   In the process of normal using, in addition to the call state, press and hold the function button for 3 seconds, the unit will enter the phone pairing state;
   If already connected to the phone, the current connection will be interrupted

phone related functions

1. **Answer/end calls**
   1. When the phone connected,
   2. During an incoming call, you can answer the call by short pressing the music button, or reject the call by long pressing the music button for 1 second;
   3. At the same time, you can also turn on the VOX function and say "hello" or "answer" to the microphone loudly to answer the call.
   4. During calling, you can hang up the current call by short pressing the music key.
2. **Wake up/close phone voice assistant**
   When the phone connected, except in the call-related state, you can short press the function button to wake up the phone voice assistant to realize voice control related functions; short press again will cancel the phone assistant

Fast Dial

1. **Fast Dial Presets**
   1. The fast dial function needs to pre-set the fast dial number (only 1) on the App;
   2. This number can be set in App->Fast Dial Settings
2. **Use of Fast Dial**
   1. When the phone is connected, except in the call-related state, the shortcut number can be dialed by long pressing the music key and holding it for 3 seconds.
   2. **Note:** If it is not set in the App, this operation will have no effect
3. **Play/Pause Music**
   1. When the phone is connected, except in the call-related state, you can pause/play music by short pressing the music button
   2. **Note:** The system music player software is default, and some systems or some music software may not be wake up due to compatibility.

HIVEMESH intercom

1. **What is HIVEMESH?**

   HiveMesh™ is a dynamic communication system created by BEEBEST, which can easily connect up to 16 nearby users through one-click teaming, providing instant, full-duplex communication.

2. **HIVEMESH intercom team formation & number confirmation**

   1. Short press the team button to start the Mesh team search, BEEBEST Q will automatically connect to nearby users who also open the Mesh team search, and automatically form a communication team. After the team formation is completed, teammates will be able to chat with each other.

   2. In the process of forming a team, a reminder of the current team size will be played, and the current teammate status can also be checked through the "BEEBEST" App

3. **HIVEMESH cancel team formation**

   When in the process of Mesh team search, you can short press the team button to cancel the team, BEEBEST Q will end the Mesh team search, and will not affect the team formation process of other users, and will prompt "Exited team up"

4. **HIVEMESH exit from the current team**

   When you are in an already-formed team, you can short press the team button to exit the current team; after this operation, a voice prompt will be played "Do you want to exit the current team, please press the team button to confirm", when you press team button again the prompt sound "Exit the team" will be played. At this time, BEEBEST Q will end the current team call and will not affect the team call of other users

5. **HIVEMESH invites new members to join the current team**

   When you are in an already-formed team, you can long press the team button for 2 seconds to invite a nearby user who has enabled Mesh team search to join the current team. By default, the user closest to the machine will be invited. After 1 user joins , the process will end automatically

6. **Enable/disable microphone (default enabled)**

   1. When you are in an already-formed team, you can long press the function button for 1 second to temporarily mute the microphone of the machine, and the prompt sound " Mute on" will be played. At this time, teammates will not be able to hear any of your voice; Team connection has no effect, you can still hear your teammates

   2. When the microphone is muted, you can long press the function button for 1 second to turn on the microphone of the machine, and a prompt sound "Mute off" will be played, and the communication will return to normal.

Two-way Intercom between the front and rear seats

1. **What is a two-way intercom?**

   1. BEEBEST Q can be connected to ordinary Bluetooth headsets for two-way intercom. The distance between the two devices is limited to the front and rear seats of the motorcycle. After paired, it provides instant, full-duplex communication.

   2. **Note:** Some brands of Bluetooth headsets may not support this function.

2. **Two-way front and rear seat intercom pairing**

   Press and hold <Team button + Music button> for 2 seconds to enter the two-way intercom pairing mode. BEEBEST Q will automatically connect to the nearby Bluetooth earphones that have entered the pairing mode, and will play the prompt sound "Two-way intercom pairing". After the connection is successful, it will

automatically open Two-way intercom, the prompt sound "The front and rear seat devices have been connected" will be played, and then the two teammates will be able to talk to each other

You can also confirm the current team situation or assist in Bluetooth connection through the "BEEBEST" App

3. **Two-way intercom teaming cancel**

When in the process of two-way intercom searching, you can long press 2s <team button + music button> to cancel the two-way team, BEEBEST Q will end the two-way search, and prompt "Cancel two-way pairing"

4. **The two-way intercom ends**

When in the process of two-way intercom, you can long press 2s <team key + music key> to end the two-way intercom team, BEEBEST Q will end the two-way intercom, and prompt "exit two-way intercom"

5. **Enable/disable microphone (default enabled)**

When in the two-way intercom, you can long press function button for 1 second to temporarily mute the local microphone, and the prompt "Mute on" will be played. At this time, teammates will not be able to hear any of your voices; this operation has no effect on the current team connection, you can still hear your teammates

When the microphone is muted, you can long press the function button for 1 second to turn on the microphone, and a prompt "Mute off" will be played, and the communication will return to normal.

6. **Integration of two-way intercom and HIVEMESH intercom**

    1. When in the two-way intercom, you can join the two devices into the Mesh intercom call by turning on the Mesh team function

       Operation method: short press the team button

    2. When in the Mesh intercom, you can pair the two-way intercom function with BEEBEST Q to add the devices to the Mesh intercom call

       Operation method: long press <team button + music button> for 2 seconds to form a two-way intercom team

7. **Explanation of special circumstances**

    1. **When one of the following scenarios occurs, the two-way pairing will fail, and the prompt sound "pairing failed"**

        1. Some commercially available Bluetooth headsets may not support this function

        2. The search time has run out and no Bluetooth headset can be found

        3. The search time has run out and the connection has not finished

           You can retry this function by long pressing the <team button + music button> for 2 seconds after hearing the prompt

    2. **In order to ensure the stability and call effect, users are not recommended to perform the following team operations:**

        1. Connect more than 3 Bluetooth devices in the Mesh intercom team for common communication

        2. Connect 2 BEEBEST Q to the same Bluetooth headset that supports multi-device connection

        3. Connect 2 BEEBEST Qs for two-way intercom, and form a Mesh team at the same time

Other functions

1. **Software upgrade**

After the BEEBEST Q is connected to the mobile phone, log in to the "BEEBEST" App, and after binding the device, you can check the software version of the current device, the latest software version, and do software upgrades according to the guidelines of the App

2. **Connect the walkie-talkie**

BEEBEST Q supports the connection of some models of BEEBEST brand walkie-talkies and Xiaomi walkie-talkies. After connected successfully, you can use BEEBEST Q to control the sending and receiving of the walkie-talkie. Please log in to the "BEEBEST" App, bind the device and follow the instructions of the App to connect. For the list of supported models, please check in the App

APP Personalization Function

The user can log in to the "BEEBEST" App, and after binding the device, do personalization.

1. Bluetooth name modification
2. Fast dial number setting
3. Audio equalizer settings
4. VOX settings
5. Separately settings of each channel volume
6. Call noise reduction level setting
7. Customize the dot matrix light pattern of the device

Troubleshooting

1. Fault reset.
2. Factory reset.

PLEASE NOTE:
The actual product functions may not be consistent with the contents of the manual due to technology upgrades and firmware updates. To get the latest function introduction and safe use guidelines, please download the "BEEBEST" mobile application, and the built-in electronic manual shall prevail

warning

- As it may cause equipment failure or even personal injury, please do not perform the following illegal operations on this product:
    - Do not apply a voltage other than the specified voltage to the power supply of this product.
    - Do not disassemble or modify this product.
    - Do not immerse this product in water.
    - Do not hit or throw this product.
- If the product has the following abnormalities, please stop charging or using it immediately, turn off the power of the product, and contact the after-sales maintenance department:
    - If the main unit or charger emits smoke or smells during charging, please unplug the product immediately to prevent heat generation, burning, fire or even explosion.
- **other notes**
    - Do not place this device in direct sunlight or near heaters.
    - Do not operate this product near a TV or radio (the TV or radio may cause radio interference).
    - To avoid hearing damage, do not use high volume for a long time.
- **Battery**
    - Only batteries approved by the manufacturer. Replacing the battery with the wrong type may cause

invalidate the safety protection, and there will be risk such as explosion and fire.

- Do not place the battery in an extremely high temperature environment, such as sunlight, fire, microwave, oven, etc., otherwise it may cause an explosion or leakage of flammable liquid or gas.
- Do not disassemble, hit, crush or cut the battery, otherwise it may cause an explosion.
- Do not place the battery in an extremely low pressure environment, otherwise it may cause the battery to explode or leak flammable liquid or gas.
- If the battery is severely swollen, do not continue using it.
- Do not swallow batteries, it will cause a chemical burn hazard.
- Seek medical help immediately if you think a battery may have been swallowed or lodged in any part of your body.
- If the battery compartment is not securely closed, stop using the product and keep it away from children.
- Keep new and used batteries away from children.
- Please do not throw the battery into domestic garbage for disposal, please follow the corresponding national regulations to safely dispose of the used battery.

FCC Caution

Labelling requirements.
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.

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

Information to the user.
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.

* RF warning for Portable device:
The device has been evaluated to meet general RF exposure requirement. The device can b e used in portable exposure condition without restriction.

Basic parameters TBD

- **Model BE700**
- **FCCID:** 2BCYIBE700
- **Product size 88.7x60x22.5mm base** not included
    - 88.7x60x38.2mm base included, speaker and microphone set not included
- **weight 67g** (base not included)
- **battery type:** Li-ion polymer battery
- **battery capacity 1250mAh**
- **work temperature -10°C~45°C**
- **charging temperature 0°C~45°C**
- **Porting type:** Type-C
- **input 5V** 1A
- **voltage 3.8V**
- **Bluetooth version:** Bluetooth 5.0 with BLE
- **Transmit power ≤30dBm**
- **frequency 2402~2483MHz**
- **proof level IP67**

Explanation of Environmental Protection
The environmental protection use period means the term that under normal use conditions, the toxic and harmful substances or elements contained in the product and its accessories will not leak out, and when using the device, the user will not cause serious pollution to the environment or cause serious damage to the person or property. Product Warranty Policy (policy of foreign area TBU)

Product performance failure

Model	Performance failure
BEEBEST Q Bluetooth inter com communication system	The shell is broken and damaged due to structural or material problems
	The device cannot be turned on or used normally after charging
	Device won't charge
	Button invalid
	After normal connection, the intercom between the devices do not work

Non-Warranty Policy

- **In the following cases (but not limited to the following cases), it is not covered by the warranty and needs to be repaired for a fee:**
    - Faults or damages caused by dismantling, repairing, refitting, misuse, abuse, liquid ingress, accidents, use of non-original accessories by unauthorized person.
    - The validity date of the warranty has exceeded
    - Damage caused by force majeure
    - Not meet the performance failures listed in the "Product Performance Failure Table" ?? The product and its accessories have performance failures listed in the "Product
- **Performance Failure Table" due to human factors**

- Any damage caused by failure to use, maintain and adjust in accordance with the requirements of the "BEEBEST Q User Manual"
- Malicious damage to the contents of the warranty card and body information, including blurred damage, self-tearing, tampering, etc.
- Other faults and damages not caused by the design, manufacturing, quality and other problems of the product itself.

Remark

- This manual is published by Xi'an Fengyu Information Technology Co., Ltd. Fengyu Technology may make necessary revisions and changes to the printing errors and inaccurate latest information in this manual at any time, or improve programs and equipment without prior notice.
- The illustrations of products, accessories, and user interfaces in the manual are schematic diagrams and are for reference only. Due to product updates and upgrades, there may be slight differences between the actual product and the diagram, please refer to the actual product.

Product Warranty Certificate

User Info:

- Name
- Telephone
- Mail
- post code
- address
- product information:
- device name
- Device model
- IMEI/SN
- CMIIT ID
- seller information
- store address
- store telephone
- Invoice number
- date of purchase

back cover

- **Service phone:** 400-699-8608
- **Service website**: **www.ifengyu.com**
- **Manufacturer:** Xi'an Fengyu Information Technology Co., Ltd.
- **Address:** Room 506, Area A, Shaanxi Science and Technology Resource Coordination Center, Zhangba Street Office, High-tech Zone, Xi'an City, Shaanxi Province

Documents / Resources

BEEBEST BE700 Bluetooth Intercom Communication System [pdf] User Manual
BE700, 2BCYIBE700, BE700 Bluetooth Intercom Communication System, Bluetooth Intercom Communication System, Intercom Communication System, Communication System, System

References

- **- BEEBEST**
- **User Manual**