INSTRUCTION
MANUAL

HELMET WIRELESS INTERCOM SYSTEM

H10

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1.Introduction

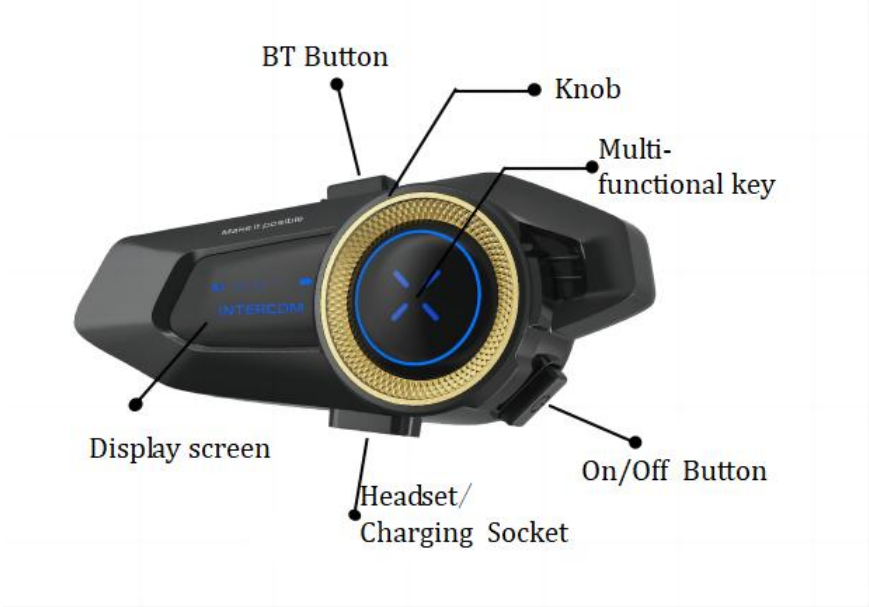
1.1 Product Overview

Thank you for choosing H10 helmet Bluetooth group intercom headset, which is a product designed and built for the convenience of motorcycle riders, to meet the riders in the riding process to realize the group intercom, answering the phone, listening to music, listening to FM radio and receive GPS navigation voice prompts and other multifunctional needs, in the riding process can have a clear, safe and comfortable experience of the helmet Bluetooth group intercom headset.

H10 bluetooth group intercom has a new v5.2 bluetooth voice chip, stable system operation, dual intelligent noise reduction, low power consumption, with 40MM high sound quality speakers and intelligent pickup microphone, support multiple devices connected to realize multi-crowd intercom, and third-party bluetooth product pairing, is a fashionable compact, energy-saving and environmentally friendly, with a humanized design in one of the high-tech bluetooth group intercom headset.

This product is suitable for motorcycle and bicycle riders, skiing enthusiasts, take-out riders, electric vehicles, construction and mining workers, firefighters, traffic police and so on.

1.2 Headset Introduction



1. **On/Off key**
2. **led screen**
3. **Headphone/charging Socket**
4. **Multi-functional key**
5. **Knob**
6. **BT**

1.3 Main functions

•Qualcomm Bluetooth voice chip version 5.2.

•Intelligent DSP audio processing, CVC 12th generation noise reduction processing, 16K voice bandwidth transmission rate.

•LED display.

•One-step easy pairing, 2KM group intercom (ideal distance).

• 10 person full duplex intercom.

•Music sharing functions.

•FM radio.

•Multi-language prompt sound voices.

•Phone, MP3, GPS voice Bluetooth transfer.

•Voice wake-up.

•Automatic answer, support last dialed number redial.

•Supports pairing with Apple headphones.

•Intelligent microphone pickup.

•Simultaneous Connection of 2 other devices (phone, MP3, GPS).

•Support voice communication at 120 km/h speed.

•40mm tuning speaker diaphragm, shocking music.

•IPX5 level waterproof.

•900mAh Battery capacity, 28H continuous intercom/phone, 33H listening to music, 500 hours standby.

•Support pairing intercom with third-party Bluetooth intercom.

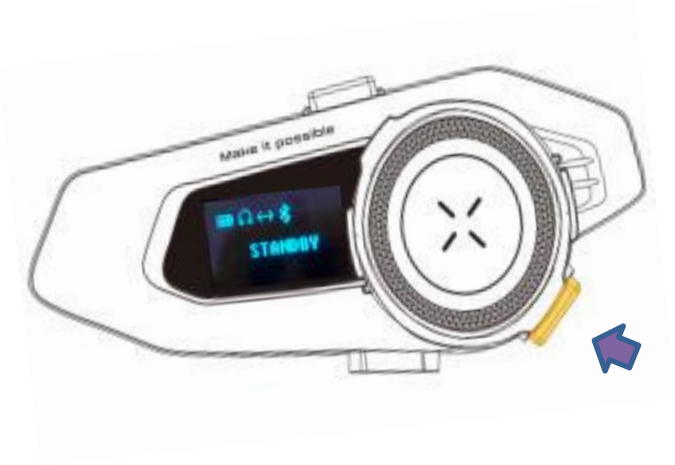
2. Operation Instructions

2.1 Power On / Off, Reset

①Power on:

Press on hold【**on/off**】for 4 seconds,

The display shows, hear the power on tone.



②Power Off:

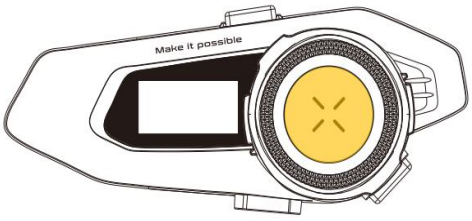
Press on hold【**on/off**】for 4 seconds, hear the powered off tone, Display off, powered off is complete.

③Restore factory settings::

Press and hold【**on/off**】for **8** seconds in the power on state,When you hear the shutdown prompt, turn off the display and continue to press and hold until you hear two beeps to restore the factory settings.

2.2 Phone Functions

①Answer incoming calls: When there is an incoming call, short press【**multi-function**】to answer the call.



②Automatically answer: When an incoming call rings for 10

seconds without any operation, the headset will automatically answer the call.

③**Reject:**Press and hold【**multi-function**】 for 2 seconds when you hear an incoming call ring to reject the call.

④**End-call:** During a call, short press 【**multi-function**】key to end the call.

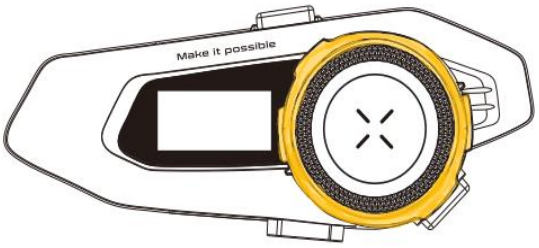
⑤ **Last code redial:** In standby mode, quickly double-click【**on/off**】 to automatically dial one of the last numbers dialed.

⑥**Cancel auto-answer:** In a disconnected Bluetooth state (no other Bluetooth device connected),you can long press the【 **multi-function** 】for 2 seconds to cancel or open **the auto-answer function** (the initial state of the default auto-answer).

2.3 Music Control

① **Play/Pause:** In Bluetooth connection mode,Play mobile music,And press the【**multi-function**】 once to control the music play / pause.

② **forward:** knob clockwise rotation to select the next music.

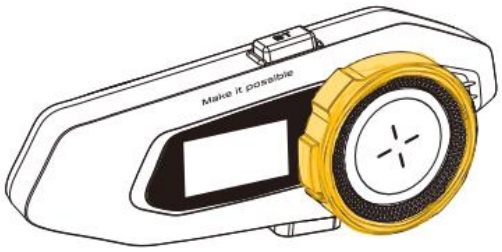


③ **Reverse:** turn the knob counterclockwise to go back to the previous music.

2.4 Volume Adjustment:

Turn the knob counterclockwise without letting go to increase the volume, turn the knob clockwise without letting go to reduce the volume;

Volume adjustment to the appropriate time to let go; the highest volume has an alarm tone prompt.

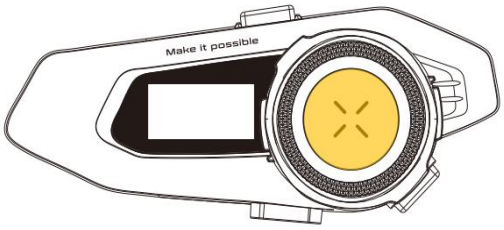


2.5 FM Radio

① **Open the radio:** In standby mode, double-click 【**multi-function**】 to start the FM radio.

②While listening to music on your phone, you need to press 【 **multi-function** 】once to pause the music, double-tap 【 **multi-function** 】 to start FM; and press 【**multi-function**】once to switch back to the music .

③After turning on the FM radio, quickly rotate the knob and then release your hand, you can tune the station and select the station, and keep rotating to select different channels (note that rotating the knob without letting go is to enter the volume adjustment mode).



④**Turn off the radio:**

Quickly double-click 【**multi-function**】, the headset will switch back to the previous state.

Attention

When the indoor signal is weak, in order to make the FM radio work best, you can try to turn on the FM radio near the window or in the open outdoor area.

In the radio mode, when there is an incoming call, the headset will automatically disconnect the radio and answer the phone,and automatically return to the radio function when the call ends.

2.6 Language Tone Switching

The device has a multi-language prompt tone selection.In the power on state, press and hold the 【**on/off**】 while rotating the knob key, you can switch the language prompt tone, each operation switches to the next language, can be cyclic operation.

2.7 Voice Wake up Operation

In standby mode, long press 【**multi-function**】 for 2 seconds to enter the voice wakes up function.

You can also make a direct call wake up (need to open the phone settings).

3. Intercoms Pairing

Helmet intercom has five function modes

(1)、Bluetooth mode: PAIRING

Power on automatically enters Bluetooth pairing mode (when no other Bluetooth is connected)

The following functions are selected by pressing【BT】:

(2)、Pairing 2 Intercoms:

(3)、Pairing Multiple Intercoms :

(4)、Pairing with third-party intercom:

(5)、Music sharing:

2.1 Pairing with mobile phone

method 1

①Place **H10** and the phone within a distance of 1 meter in between.

②**Turn on Bluetooth:** In the off state, long press【**on/off**】for 4 seconds, , center of the screen displays PAIRING, Go to Bluetooth and wait for a connection (as shown)。

③**Search phone Bluetooth**: Open the phone Bluetooth settings, search for nearby Bluetooth

devices, select " **H10** " connection pairing, pairing success will be accompanied by a beep "Bluetooth is connected", connected to Bluetooth successfully.The icon appears as shown below.

Note: If **H10** has pairing record with the phone, the device will automatically connect to the phone Bluetooth again, no need to repeat the pairing (provided that the phone Bluetooth is to open),The icon appears.

Bluetooth Name: H10

Method 2

Connecting a second phone or other Bluetooth device requires a quick entry into Bluetooth mode：Press and hold 【**multi-function**】+【**on/off**】for 2 seconds, Hear 'Bluetooth Pairing' tone, enter Bluetooth mode.The screen displays the icon as PAIRING .Search for '**H10**' in the Bluetooth settings of your phone or other device to connect.

NOTE: The power on does not enter the pairing state or

120 seconds without Bluetooth pairing operation wants to connect again,Or Group intercom pairing success and then go to connect phone Bluetooth.

3.2 Pairing 2 Intercoms

Matching steps:

①、Placing two **H10** intercoms within 1 m.

②、Turn both H10 intercoms (A and B) on.Short press【 BT 】 to switch to Bluetooth intercom mode.screen display ,Accompanied by Bluetooth intercom mode tone;

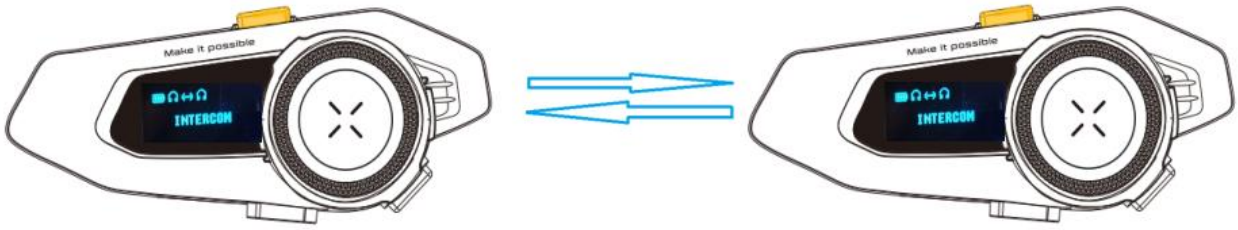
③、Simultaneously long press A, B two intercom【BT】for 4 seconds,All are waiting for pairing,screen display PAIRING;

④、Short press【BT】key of A again, hear the **'intercom search'** prompt into the search,Wait for the connection to complete;

⑤、 After the two intercom are connected successfully, the screen displays INTERCOM ,hear the 'Intercom connected'You can talk to each other;

NOTE: When in intercom, click **【on/off】** to terminate the intercom, click again to connect

back to the intercom.



A B

NOTE:

①Sometimes Bluetooth intercom (A, B) is connected to other Bluetooth devices, short press 【BT】key to switch to Bluetooth intercom mode.the screen displays ,Enter the waiting pairing state before operating the above step ③;

②After two **H10** intercoms pair successfully, there is no need to repeatedly pair, turn off the phone and then turn it on again, short press 【**on/off**】once to enter the intercom. In the intercom process, environmental factors might inevitably cause disconnection, disconnection within 10 minutes will be automatically connected back, or you can short-press 【**on/off**】 once manually to connect back to the intercom.

3.3 Pairing Multiple Intercoms Automatically

Pairing steps (take 4 intercoms for example):

1） Placing multiple **H10** Bluetooth intercoms within 1 meter of each other.

2）Short press all **H10** (ABCD) 【**BT**】 to switch to Bluetooth group intercom mode, the screen displays ,The voice prompt is Bluetooth group intercom mode.

3) Long press all【**BT**】key for 4 seconds to enter the waiting pairing state.the screen displays

4）Short press one of the intercom 【**BT**】(this device is automatically defined as **No.1**), **No.1** prompt 'intercom search' into the Bluetooth search mode; when connected to another intercom, there will be a 'beep' tone, **No.1** when connected to another intercom (automatically become **No.2**), there will be a 'beep' tone,At this time, **No.1** and **No.2** display

,One second passes before **No.2** is redisplayed

,It continues to search for the next intercom , and when the third intercom is connected (**No.3**), there will be a 'beep' tone,**No.2** display

,**No.3** also flashed

, and after 1 second **No.3** showed into

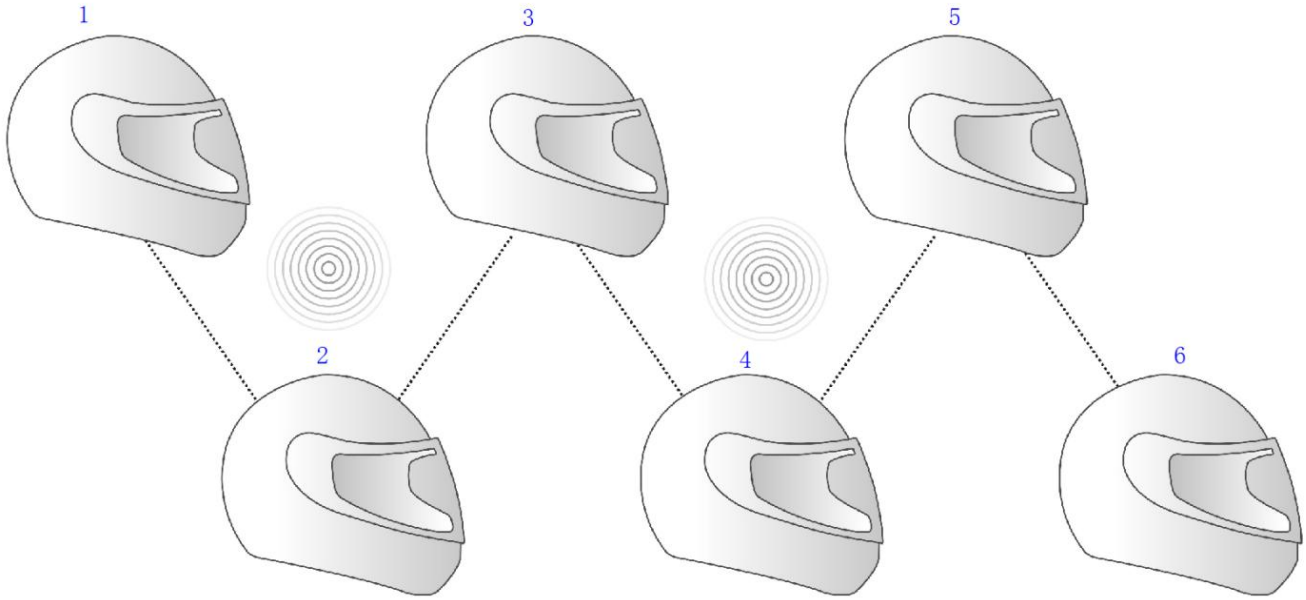
searching for the **No.4**; There is also a 'beep' tone when connected to **No.4**, **No.3** display

, **No.4** also flashed

, and after 1 second **No.4**

showed into PAIRING ,Do not operate at this time (or press【**BT**】key once to stop the search), and wait for **No.4** to stop searching showed into STANDBY ,Connection complete.

5) Press all intercoms【**on/off**】once at the same time and hear "drop" a beep after the group network is completed, and then press once【**on/off**】to hear "drop" to enter the group intercom.At this point all **H10** displays INTERCOM(The value after INTERCOM is the serial number of the intercom.)



3.4 Pairing Multiple Intercoms Manually

Random pairing exists for one-step pairing, and manual multi-population networking is available if manual sorting is required.

1、Take four people pairing as an example, all Bluetooth intercom (1234) short press 【 **BT** 】 to switch to Bluetooth group intercom mode,all H10 displays ;

2、Put the Bluetooth intercom designated sort (1234), at the same time, long press 1, 2 intercom 【 **BT** 】 4 seconds (3/4 unit is not operated for the time being), enter the waiting pairing state, 1/2 intercom screen display

;

3、Short press **No.1** intercom【**BT**】, **No.1** intercom prompt 'intercom search'; when connected to **No.2**, there will be a beep that the connection is successful; at this time, **No.1** and **No.2** intercoms display

. 1 second later, **No.2** intercom re-display

,Continue to enter the search for the next intercom, at this time you can wait for the **No.2** display

, you can also

press the **No.2** intercom's【**BT**】to stop searching, and enter the waiting back to connect, two intercoms into STANDBY , Short press **[on/off]**, Complete the intercom operation to verify successful pairing.

4、 Disconnect **No.1** and **No.2** intercoms by double clicking on **[on/off]** of **No.1;**

5、 Long press **No.2** and **No.3** intercoms【**BT**】for 4 seconds, enter the waiting pairing state, the screen displays PAIRING ;Short press **No.2** intercom【**BT**】, **No.2** intercom prompt 'intercom search'; when connected to **No.3**, there will be a beep that the connection is successful; at this time, **No.2**and**No.3** intercoms display STANDBY.

1 second later, **No.3** intercom re-display ICOM PAIRING , Continue to enter the search for the next intercom, at this time you can wait for the **No.3** display STANDBY, you can also press the **No.3** intercom's【**BT**】to stop searching, and enter the waiting back to connect, two intercoms into STANDBY, Short press 【**on/off**】, Complete the intercom operation to verify successful pairing. Disconnect **two** intercoms by double clicking on 【**on/off**】of **No.2;**

6、Continue **No.3** and **No.4** intercom pairing, wait for all

intercom pairing to be completed, shut down and restart (**can not be reset**), and in Bluetooth group intercom mode , short press all 【**on/off**】 to enter the group network back into the network to complete the multi-person manual networking.

Note.

a）Group Pairing operations must be performed in Multi-People Intercom mode. watch for the icon , If you switch to other modes by mistake, you need to switch back to the multiplayer network mode.

b）After successful pairing of group intercom, there is no need to pair again and again, for better experience, turn off and restart all the intercom after successful pairing for the first time (not reset), and then press 【**on/off**】in group intercom mode after power on.

c) Successful pairing, at the same time press 【**multi-function**】+【**on/off**】2 seconds to enter the bluetooth search

can be directly paired with bluetooth, complete the bluetooth connection of the phone, restore the intercom only need to press once 【**on/off**】;

d) H10 supports up to 10 connections, automatic networking can only automatically connect 6 units, if you

need to add more connections, you need to manually operate 6 even 7, 7 even 8 in turn down, the method refers to the manual networking of multiple people.

End/restart of group intercom：

Groups end of the intercom, double-click 【**on/off**】 hang up the intercom, long press【**on/off**】shutdown.

In the process of intercom, environmental factors affect the inevitable disconnection, disconnection within 10 minutes of the automatic reconnection function, such as exceeding the automatic reconnection time, you can manually short press 【 **on/off** 】 once, for manual connection!

For each group intercom pairing, it is recommended to restore factory settings for each one before pairing. Clearing method: Long press 【on/off】for 8 seconds to turn off the intercom in the power-on state.

☆ Due to the use of different environments, external interference, the recommended number of the intercom is 4 and it is recommended that group intercom use should be within 1000 meters or it might affect the user experience.

3.5 Pairing with third-party Bluetooth headsets

This pairing function only supports the use between two different brand models by placing the two helmet Bluetooth intercoms within a distance of 1 meter from each other.

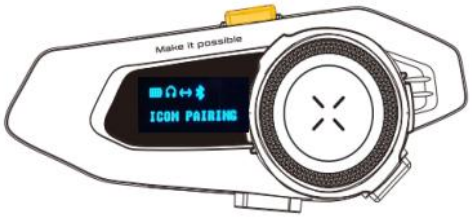
Matching steps:

①、 By placing the two helmet Bluetooth intercoms within a distance of 1 meter from each other.

②、H10 intercom on；

③、Short press 【**BT**】to switch to third-party intercom mode ；

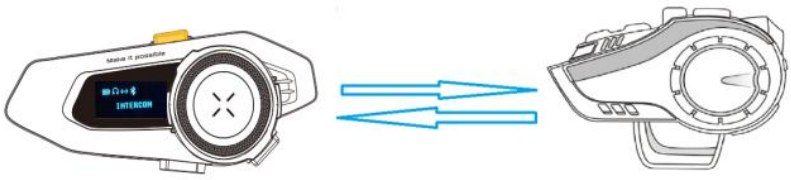
④、Long press【**BT**】of **H10** for 4 seconds, enter Bluetooth waiting for connection, the screen shows (Fig. 2)；



2

⑤ 、 The other (third party) intercom is also powered on in Bluetooth Waiting to Connect mode;

⑥、Short press 【**BT**】of H10 to enter the Bluetooth search mode, accompanied by the tone‘Intercom search’, and wait for the connection;



A B

⑦、After the intercom pairing is successfully

connected with the tone 'Intercom connected', the screen displays

;

3.6 Music sharing (ONLY two H10 intercoms)

- **A** Pair with the phone first (refer to 3.1).
- **B** Power on, both **H10** switch to music sharing mode (**Figure 1**), long press 【BT】 for 4 seconds to enter pairing mode, both H10 display ' PAIRING' (**Figure 2**).

Figure 1

Figure 2

- Short press **A** 【BT】 along with the beep 'Intercom search' and wait for connection.
- After **A**&**B** are successfully connected, **A** screen is displayed as (**Figure 3)** and **B** screen is shown as (**Figure 4**)

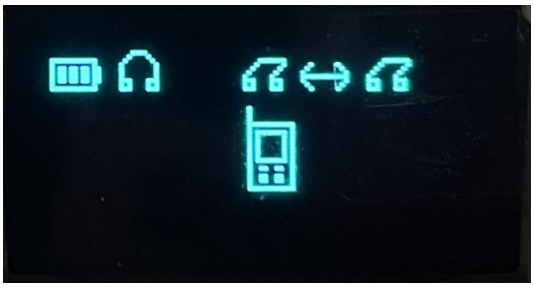


Figure 3

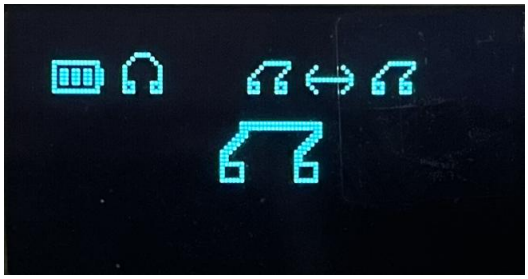
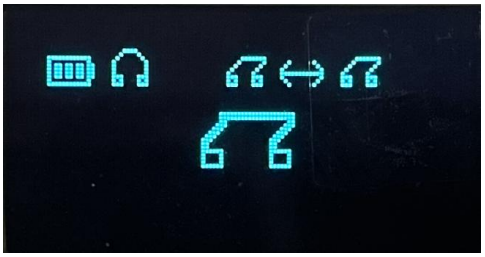


Figure 4

- **A** plays music and the two screens display the following figure to realize sharing.



Note:

Short press **A**【**multi-function**】to pause or turn on the music, and short press **B** 【**multi-function**】to stop or restart listening to the music.

3.7 Multi-mode intelligent mixing (only for two-person intercom use)

① Switching between two person intercom mode and music/FM:

When in two-person intercom, short press【**on/off**】to disconnect the intercom, then short press【**multi-function**】to enter the cell phone music playback (already connected to the cell phone bluetooth case), or double-click 【**multi-function**】to open the FM radio; return to the two-person intercom mode can be short press【**on/off**】once can be.

② Switching between two-person intercom mode and music sharing:

When in intercom, short press【on/off】to disconnect intercom, then short press【BT】key to switch to music sharing mode (music sharing has been paired), short press 【on/off】once to connect back to music sharing, short press【multi-function】of the sharing party to start the music to music sharing.

③ Music sharing switch to two-person intercom:

When two people music sharing, you can disconnect the sharing by short press【on/off】, at the same time, short press【BT】of two intercom to switch to two people intercom mode (two people intercom has been paired), just short press【on/off】of one of the intercom back to connect to intercom.

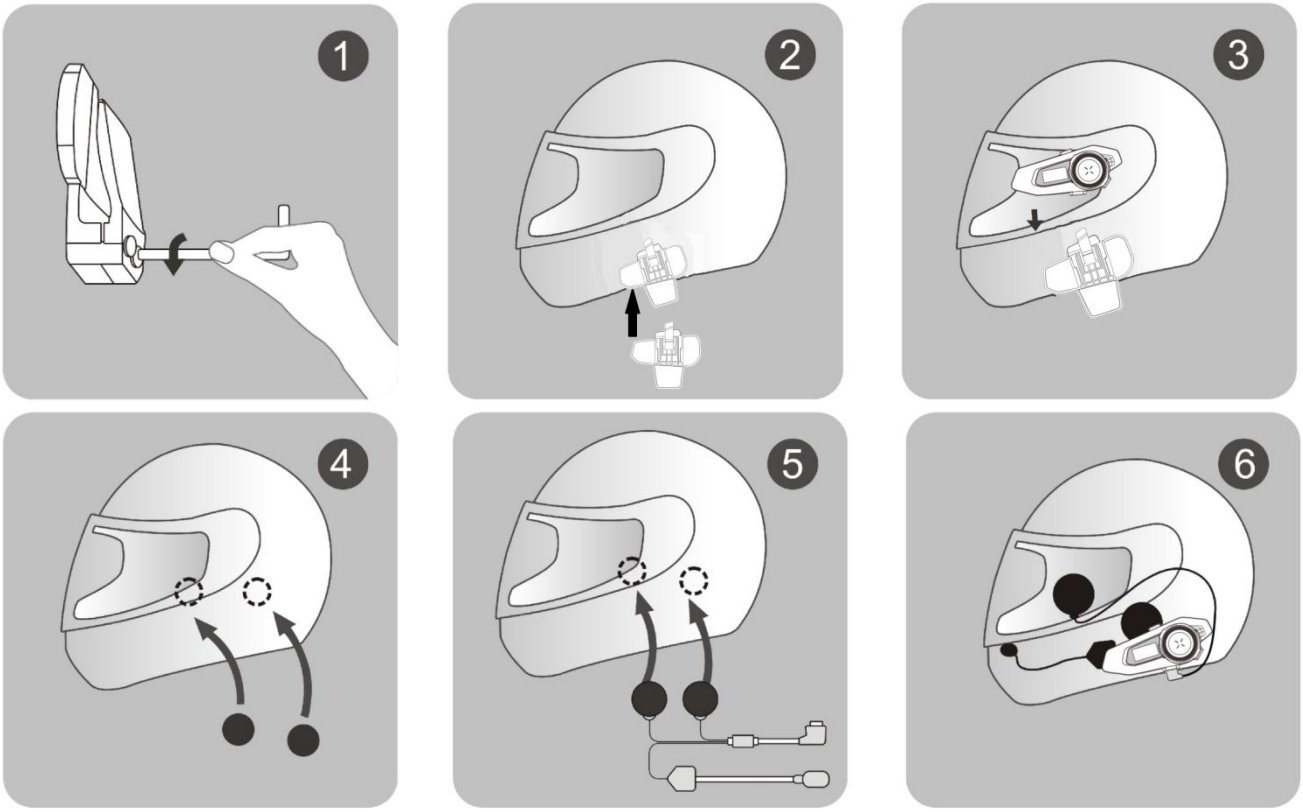
④ If the intercom is connected to a phone during intercom, when a call comes in, the intercom will automatically disconnect, switch to answer the incoming call, and automatically resume intercom after ending the call; It takes about 2 seconds to switch back to intercom from call.

Work the priority order in multiple modes:

Phone > Intercom > Music > FM

4.. INSTALLING INSTRUCTOINS

4.1 Use a clamp to Install Headset on Helmet



①Use a screw driver to loosen the screws of the clip,and let the clip open to a suitable degree,so that it can easily clip into the lower edge of the helmet.

②Open the inner lining of the helmet,install the clip in a proper position on the left side of the helmet and tighten the screws (too tight will also damage the clip or the helmet).

③Slide the H10 intercom into the clipslot and make sure the intercom is securely locked.

④Open the inner lining of the helmet (ear positions),clean the EPS surface of the helmet,and stick the loop speaker fasteners on the left and right

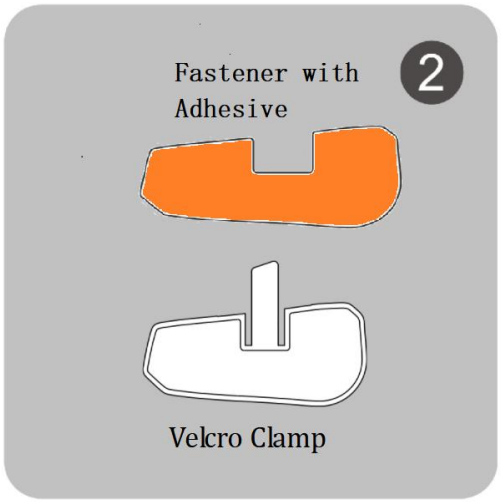
sides (close to ear positions of the helmet to achieve the best volume and sound effect).

⑤Put on the speakers (the speakers come with hook fasteners;the speaker with a short cable should be installed on the left side),fix the microphone,and properly organize the helmet lining and speaker cable.

⑥Insert the speaker/mic connector into the headset jack of the intercom,bundle the earphone cable,and the installation is complete.

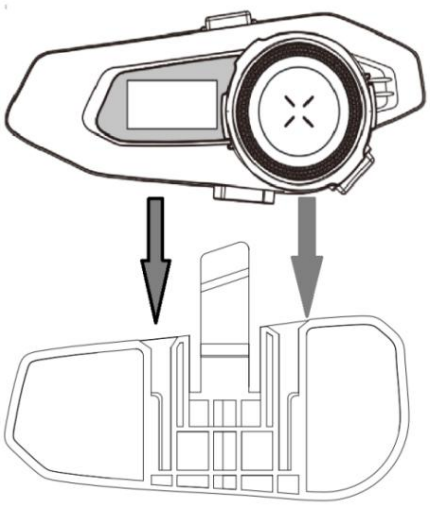
4.2 Using the mount

Also,you can install **H10** on the helmet using the mount,There are adhesives on the back of the fasteners.The steps are as follows:



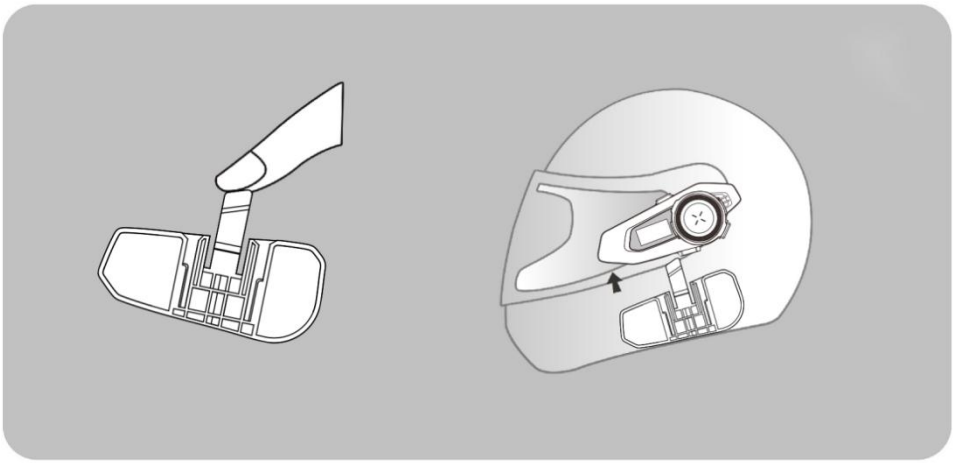
① Install **H10** with the silicone Velcro back clip, choose the right position on the helmet (pay attention to **H10** facing the right way), and tear off

the protective film on the Velcro.



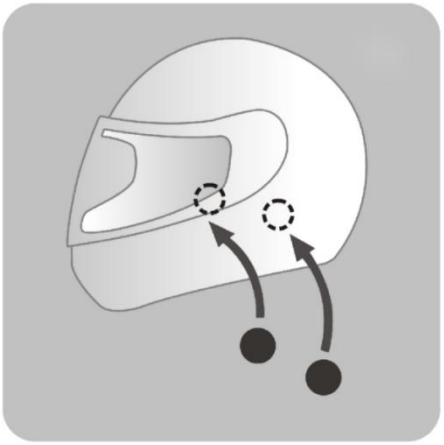
② Attach the intercom and back clip to the helmet and make sure it is secure.

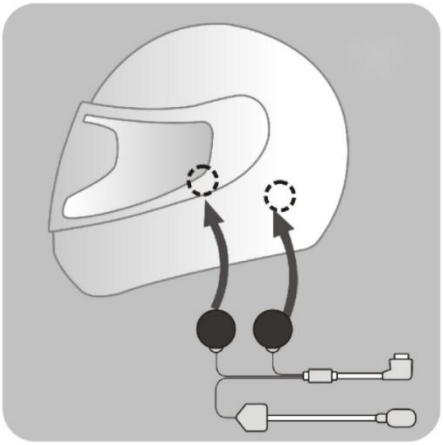
③ Remove **H10**: Press the center of the clip with your fingers (push to the side of the helmet) to disengage the clip hook from **H10**, and push **H10** upwards to slide it out of the clip.



④Headphone cable: ： Open the inner lining of the helmet (ear positions),clean the EPS surface of the helmet,and stick the loop speaker fasteners on the

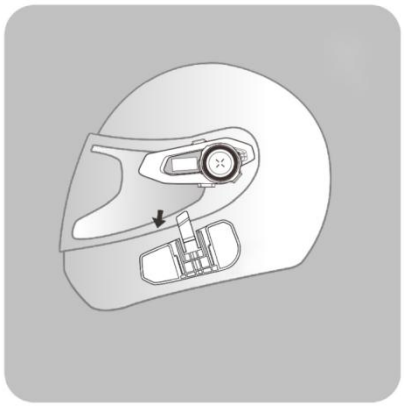
left and right sides (close to ear positions of the helmet to achieve the best volume and sound effect).

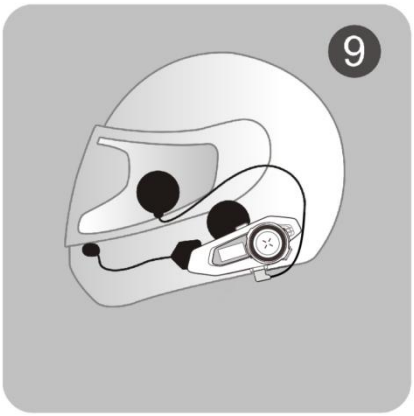




⑤ Put on the speakers (the speakers come with hook fasteners; the speaker with a short cable should be installed on the left side),fix the microphone,and properly organize the helmet lining and speaker cable.

⑥ Insert the speaker/mic connector into the headset jack of the intercom,bundle the earphone cable,and the installation is complete.

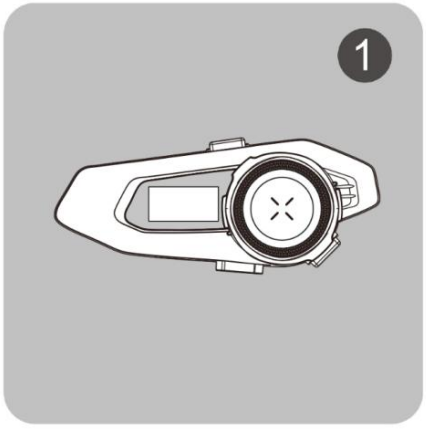


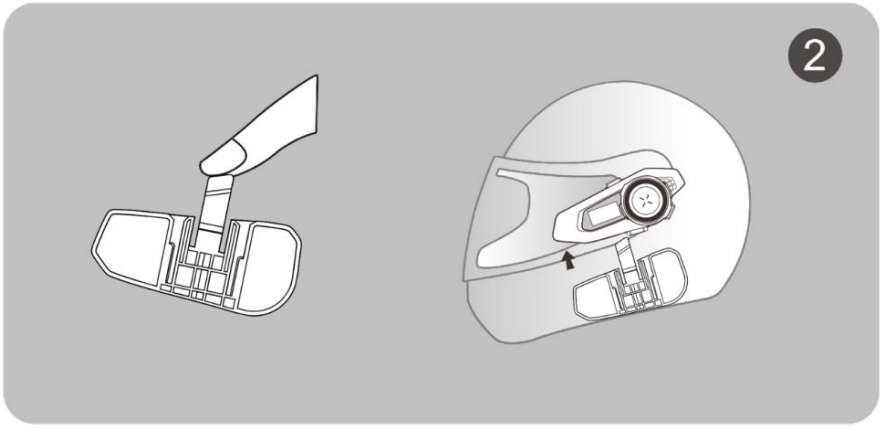


QUICK REMOVAL FROM A HELMET

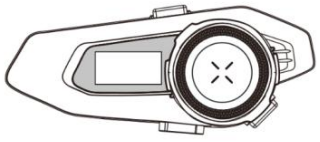
1) Unplug the speaker/mic cable.

2) Press the tab on the clip/mount towards the helmet with a finger to detach the intercom from the slot. In the meanwhile,push up the intercom and you can remove it quickly.

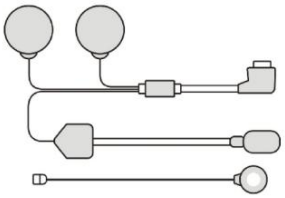




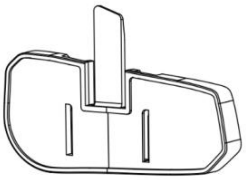
6.WHAT'S INCLUDED



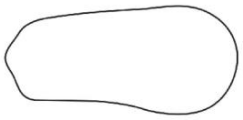
H10 Unit



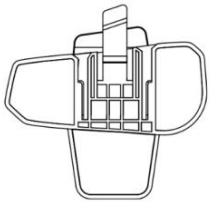
Speakers &Mic



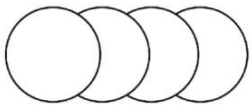
Velcro Clamp



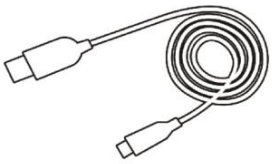
Fastener with Adhesive



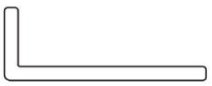
Clamp



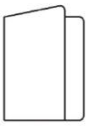
Headphone Velcro



USB Cable



Screw Driver



Manual

1.H10 Unit x1	4.Fastener with Adhesive x1	7.USB Cable x1
2.Speakers &Mic x1	5.Clamp x1	8.Screw Driver x1
3.Velcro Clamp x1	6.Headphone Velcro x4	9.Manual x1

7.CHARGING INSTRUCTIONS:

1) Before using the product,please use the included charging cable to
charge it.Plug the USB Type C connector of the charging cable into the charging port on the product and the USB A connector into the
Following charging ports:
I.A USB port of a computer
I.A DC 5V USB port on a power bank;
I.A DC 5V USB port on a power adapter.
2) Charging indicator:
l.Aways-on red light charging
I.Red light goes off slowly:fully charged
II.It takes about 2.5 hours from low battery to full charge.

8. Technical parameters of product :

Working distance: 1000m for two people, (under ideal environment)
Working frequency: 2.4GHz
Bluetooth version: Bluetooth 5.2
Support Bluetooth protocol: A2DP and AVRCP
Operating range: up to 10 meters for phones
Battery type: 900mAh rechargeable lithium polymer
Standby time: up to 500 hours
Talk time: up to 28 hours for cell phone calls/intercom; up to 33 hours for music
Charging time: about 2 hours
Power adapter: DC 5V 1A (optional)
Charging interface: TYPE-C interface
Operating temperature: 41F-104F (5°C-40°C)
Storage temperature: -4F-122F (-20°C~50°C)

9.Cautions

① Not connected to any device when the intercom 30 minutes automatically shut down, if up to a month or more without Bluetooth intercom, in order to protect the intercom lithium battery, please charge the headset once every two months.
② The applicable storage temperature of this product is -20℃ to 50℃, please do not store in an environment where the temperature is too high or too low, otherwise it will affect the service life of the product.
③ Do not expose the product to open flame to avoid explosion.
④ Bluetooth intercom are not open, so as not to short-circuit the motherboard or battery damage, affecting normal use, must pay attention.
⑤ **USB emergency shutdown: Bluetooth intercom in the work of any mode state if directly inserted into the USB charging will emergency shutdown, USB emergency shutdown will not save the recorded data, it is recommended that users do not use in non-emergency situations**.

Made In China

FCC Requirement

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

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.

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.

" CAUTION: Any changes or modifications not expressly approvedcould void the user ' s authority to operate the equipment. "