

Mini Boom Box

Bluetooth® Helmet



BM2

902

INSTRUCTION MANUAL

Contents:

User's Manual For Motorcycle Helmet	3
1. User's Manual	3
2. Maintenance and Cleaning	3
User's Manual for Bluetooth Intercom System	4
1. Main Functions	4
2. Panel Control	4
3. Pairing with Mobile Phone, Mp3 and GPS	5
4. Pair with (FreedConn) L2 Adaptor	5
5. Matching with (FreedConn) L3 Remote Control	6
6. Pairing between Two BM2	6
7. Group Intercom Settings(Take a group of 6 people as example)	7
8. Operations Mode for Cases When Someone Receives a Call during Group Intercom	7
9. Function and Operation	8
10. Battery Introduction	9
11. Warranty Card	10
12. Maintenance	10

Welcome to use BM2 Bluetooth Helmet. Please read the manuals before using. BM2 Motorcycle Bluetooth helmet is a perfect helmet that offers you a complete system for all your communication needs while riding your motorcycle. With built-in ear speakers and noise canceling microphone, it allows bikers to receive GPS voice instructions, to conduct calls on their mobile phone and listen to the music on MP3 player. Last but not least, the helmet offers biker to passenger or biker to biker intercom communication so that you can always be in touch while riding.

User's Manual for Motorcycle Helmet

User's manual

1. In fact, no helmet can protect you against all kinds of predictable risks. For the sake of your safety, please choose the proper size which will fit your head, and make sure to wear it in a right way. Choose the helmet snug and comfortable. It must not be so large that it moves freely about your head, nor so small that it constricts and cause pain.
2. Tie the chin strap, and make sure the helmet will not depart from you. Check the safety strap before you use it.
3. Pay attention to the usage of the helmet, don't mend it or change any accessory by yourself.
4. Check the performance of visor in normal condition, if any visor system included. Don't use the visor that exceeds usage.
5. If your helmet was bounced in an accident, the performance of protective will be destroyed though it looks nothing happened. Please do not use it any more.

Maintenance and cleaning

1. When you wear helmet for a period of time, you should clean it. If the lining can be detachable, please take off the lining and wash it with warm water.
2. When you assemble the helmet, please be careful to avoid any damage to the outside varnish.

- When the helmet is unused, please keep it in a dry and cool place.
- You should not subject the helmet to strong sunlight in an unclosed area such as back shelf of a motorcycle.

User's Manual for Bluetooth Intercom System

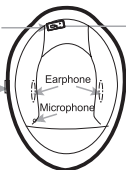
1. Main Functions

- 500m Bluetooth Intercom
- Group Intercom
- Two cell phones can be connected at the same time
- Voice prompt for all operations
- Software update port
- Voice prompt for the battery status
- Can be used with FreedConn handle remote control L3
- Can be used with two-way radio through FreedConn adaptor L2
- Battery status icon on telephone
- Built-in FM radio

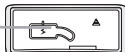
2. Panel Control

BM2 BT Receiver
and Battery

Control Panel



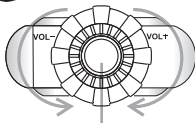
Charging
Port Cover



Charging
Port



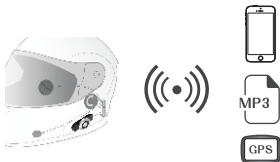
Volume Decrease
(turn counter clockwise)



Volume Increase
(turn clockwise)

MFB: Multi-Function Button

3. Pairing with Mobile Phone, Mp3 and GPS



Step 1: Turn on your cellphone, GPS or other devices and turn into BT search mode.

Step 2: Press and hold the MFB. (for about 6s) until blue&red indicator flashes alternatively.

Step 3: Choose "add new device" or "BM2-S" on your phone, GPS or other devices.

Step 4: Original code is "0000" if required.

Step 5: After paired with other devices successfully, they can be paired automatically next time.

4. Pair with (FreedConn) L2 Adaptor



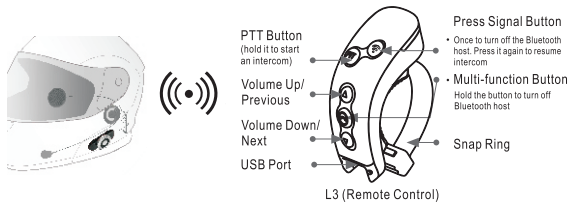
Step 1: Ensure BM2 is off and within 1 m range of the device to be paired.

Step 2: Press down the BM2 MFB. for 6 seconds until you hear "Pairing" prompt, when the red light and blue light flash alternatively, BM2 enters pairing status. Step 3:

Press down the On/Off button of L2 adaptor for 6 seconds to enter pairing status and automatically search for pairing. Pairing is successful when

indicator lights of BM2 and L2 all flash blue regularly.

5. Matching with (FreedConn) L3 Remote Control



Step 1: (Operations on receiving end of BM2-S):When BM2 is on,press the MFB. of BM2 3 times quickly to switch it into matching aode,and the indicator red light keeps on and blue indicator light flashes under such mode.

Step 2: (Operations on the emitting end of remote control):First press and hold the MFB. of remote control,then press and hold the signal button.When you see the green indicator light of remote control flashes 3 times quickly,let go of the two buttons. BM2's red indicator light will go off,indicating matching is successful.

6. Pairing between Two BM2

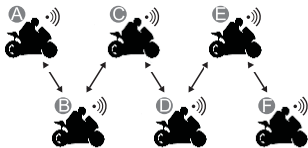


Step 1: Make sure there is no other active BT devices when pairing with the target device

Step 2: Press and hold MFB. (for about 6s) until turning into pairing status under "off" status,this time blue&red indicator flashes.

Step 3: Press one of MFB. to finish pairing. After successfully paired,there will be a short tone "di" and the flashing blue&red indicator will only remains blue light.

7. Group Intercom Settings(Take a group of 6 people as example)



Note: The frontmost and backmost cyclers (shown as A and F in figure) are not allowed to be paired.



Step 1: Clear the matching record between A and F

Press and hold the MFB. of A and F for 8s until you hear prompt tone “Power off”, then hold them for another 3s.

Step 2: Refer to the matching operations in 6 for following operations.

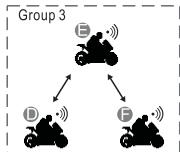
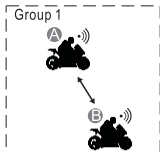
- 2.1 Match A and B, and turn off B after match is completed
(Note:Just turn it off.Do not clear the matching record)
 - 2.2 Match B and C, and turn off C after match is completed
 - 2.3 Match C and D, and turn off C after match is completed
 - 2.2 Match D and E, and turn off C after match is completed
 - 2.2 Match E and F
- (At this moment,A,B,C,D,E and F are all turned on).

Step 3: Connect A,B,C,D and F in series.

- 3.1 For D,press the MFB. to connect with E;
 - 3.2 For C,press the MFB. to connect with D;
 - 3.3 For B,press the MFB. to connect with C;
 - 3.4 For A,press the MFB. to connect with B;
- (Now A,B,C,D,E and F are all matched successfully, you can enter group talk.)

8. Operations Mode for Cases When Someone Receives a Call during Group Intercom

During 6 people group intercom, if C receives a call, he or she will be disconnected from other group members (A pairs with B to form a group, C forms its own group, DEF form a group).



After C's call is over, he or she will be automatically reconnected into the group intercom and the 6 people group intercom resumes.

9. Function and Operation

1. Turn on	Press and hold MFB. 3 seconds until hear "Welcome to use FreedConn product" voice prompt. The blue light will flash 3 times swiftly and then turn into regular flashing.
2. Turn off	Press and hold MFB. 5 seconds until hear "Power off" voice prompt, the blue light will fade.
3. Call answer	Press MFB. for a time when there is a coming call.
4. Auto answer	It will respond to the coming calls automatically when the coming ring lasts 15s.
5. Reject a coming phone call	When there is coming phone call, press MFB. (for about 2s) until hearing a voice prompt "Call rejected".
6. Terminate the dialogue	Press MFB. for once to terminate the dialogue. Or you can do that on your phone.
7. Toggle between phone call, intercom and music	<p>a. Phone call priority. When there is a coming phone call, the playing music or intercom will be suspended automatically. After the phone dialogue, the music or intercom will resumes automatically.</p> <p>b. Switch phone dialogue to intercom. When there is an intercom request, press and hold MFB. (for about 2s) until hearing a short tone "di".</p> <p>c. Switch music to intercom. When there is an intercom request, press MFB. for once to end the playing music and start intercom. You will hear a short tone "di" after switch to intercom status successfully.</p>
8. Voice dial	When the headset is not occupied Press and hold MFB. (for about 2s) until hear "Voice dial" voice prompt.

9. Conduct bluetooth intercom	Press one of MFB. on one of paired BT receivers for once, you will hear a voice prompt "Connected" when turning into intercom mode successfully.
10. End bluetooth intercom	Press one of MFB. on one of paired BT receivers for once, you will hear a voice prompt "Disconnected" when close the intercom mode successfully.
11. Toggle BT intercom between 3 headsets	Click the MFB. to talk to one of others, double-click to talk to another one.
12. Play/Pause music	Turn the jog-wheel clockwise and hold it for 2s before loosing.
13. Up/Down the volume of music/ phone-talk/ BT-intercom	Turn the jog-wheel clockwise to raise voice, turn the jog-wheel anti-clockwise to lower voice. You will hear a tone "di di" when reaching its minimum or maximum.
14. FM function	When the BT headset is not occupied, turn the jog-wheel by anti-clockwise direction and hold it (for about 2s) until hearing a short tone "di". a. Adjust FM volume: turn the jog-wheel clockwise to raise voice. The voice will be upper step by step with every turn. You will hear a tone "di di" when reaching its maximum. Continue to turn the jog-wheel for twice will go to its minimum volume level. b. Change FM channel: turn the jog-wheel by anti-clockwise direction to a higher channel. (circulation)
15. Clear the pairing record	Press and hold the MFB. of A and F for 8s until you hear prompt tone "Power off", then hold them for another 3s.

10. Technical Parameters of Product

Battery Type: 500mAh

Stand by: 120h

Travel Adaptor: DC 5V 500mA

Talking Time: 10h of Bluetooth

Charging Time: 2.5h

12h of Mobile Phone

11. Indication of Battery Volume

This product contains a Polymer battery, please keep it in the cool place. In order to reach its maximum working hour, please charge it regularly if not be used for over a month.

- (1) After the battery is fully charged, the blue light will flash every 2s under "ON" status;
- (2) When the battery reaches a certain voltage level, the red-light will flash every 15s, you will hear voice prompt "Battery Low". This time you should charge your headset. If you continue to use, it will turn off automatically.
- (3) The red-light will flash every 2s when it is being charged.
- (4) The red-light will quickly flash a time when charge again under the fully charged status.

12. Maintenance

- (1) Don't keep BM2 in the too hot or too cold place, the suitable temperature should be between -40 and +60.
- (2) Don't put BM2 into fire, there is explosion danger.
- (3) Don't keep BM2 close sharp objects.
- (4) Don't try to open BM2.
- (5) Keep BM2 in a dry and cool place when not used. And for better use please charge it regularly.

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.

目录

摩托车头盔使用说明	12
1. 使用说明	12
2. 保养与清洁	12
蓝牙系统使用说明	13
1. 主要功能	13
2. 面板介绍	13
3. 与手机、MP3、GPS配对	14
4. 与(FreedConn)L2 适配器配对	14
5. 与(FreedConn)L3遥控器配对	15
6. 两个BM2-S之间配对	15
7. 群组通话设置(6人对讲为例)	16
8. 群对讲时一方有来电操作方式	16
9. 功能及操作方法	17
10. 产品技术参数	18
11. 电池电量指示功能	19
12. 日常保养	19

欢迎使用BM2

摩托车蓝牙头盔，使用本产品请先阅读此说明书。

无线蓝牙技术可以使安装在头盔上的BM2与你的手机或者其它设备配对，塑造了自由方便的形象。配对成功后，就可以通过安装在头盔BM2上的控制器来处理来电和拨打电话，听音乐和GPS的导航播音，调整音量等。它还可以与可以使用蓝牙功能的移动电话、MP3和GPS等设备进行配对使用。它可以和另一安装在头盔上的BM2进行交互式的通信。

摩托车头盔使用说明

使用说明

1. 头盔不能保证您避免所有可预见的危险。为了您的安全，请选择大小合适的头盔，并且按照说明正确的穿戴。选择一款大小刚好合适的头盔，穿戴起来安全舒适；尺寸太大的头盔，穿戴时会晃动；尺寸太小的头盔，穿戴起来会太紧。
2. 扣上头盔安全带以防止头盔掉下来。使用之前先检查头盔安全带。
3. 注意头盔的使用，不要擅自改造头盔或者附件。
4. 如有安装遮阳板装置，请在常规环境下检查后在使用遮阳板。
5. 如果在事故中，头盔有被撞击、摔到过，尽管外观看起来没有损坏，也请不要继续使用。因为它的安全性能已经达不到要求。

保养和清洁

1. 使用头盔一段时间之后，应该对其进行清洗。如果内衬可以拆卸下来，请把内衬拆卸下来，用温水清洗。
2. 安装头盔时，请不要刮花头盔的外表光滑面。
3. 不使用头盔时，就将其放在通风干燥处。
4. 不要随手把头盔放在有阳光的地方，如摩托车的后座等等。

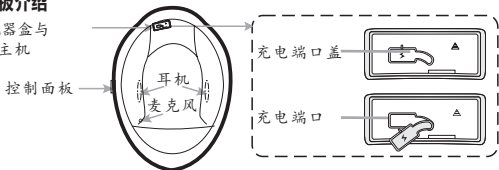
蓝牙系统使用说明

1. 主要功能

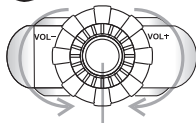
1. 500米蓝牙对讲距离
2. 多人群对讲
3. 可同时连接两台手机
4. 全部操作语音提示
5. 软件升级接口
6. 开机语音报电量
7. 可配合FreedConn手把遥L3使用
8. 可通过FreedConnL2适配器连接对讲机
9. 手机上显示电池电量图标
10. 内置收音机功能

2. 面板介绍

BM2元器盒与
蓝牙主机



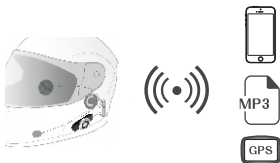
逆时针旋转：减小音量



顺时针旋转：增大音量

多功能键

3. 与手机、MP3、GPS配对



第一步：打开手机、GPS或其他设备的搜索BT设备模式

第二步：在BM2关机状态下，长按其多功能键6秒，听见提示音“Pairing”，红蓝指示灯交替闪烁

第三步：在手机、GPS或其他设备上点击“添加新设备”或者选择“BM2” 第四步：如有要求，输入初始密码“0000”

第五步：配对成功后，有提示音“Connected”。（不清除配对记录，以后每次使用会自动连接上，无需再次配对

4. 与(FreedConn)L2 适配器配对

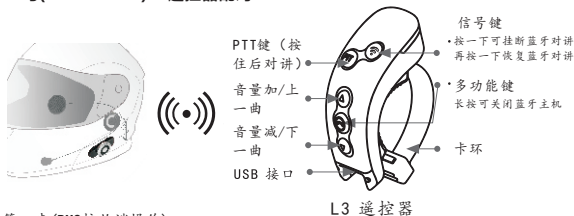


第一步：确保BM2为关机状态，BM2与L2放在1米可视范围内。

第二步：按住BM2 的多功能键6秒，在听到语音提示“Pairing”时松手，此时，指示灯红蓝灯交替闪烁，BM2进入配对状态。

第三步：按住L2适配器开关键6秒，L2进入自动搜索配对状态，BM2和L2的指示灯都为蓝灯有规律的闪烁后，表示配对已成功。

5. 与(FreedConn)L3遥控器配对



第一步(BM2接收端操作):

BM2开机状态,快速连续按下三下BM2的开关机按键,BM2会进入配对状态,配对模式下指示灯红灯为常亮,指示灯蓝灯闪烁。

第二步(L3遥控发射端操作):

先按住遥控器多功能键后,再按住信号键,当您看到遥控器指示灯绿灯快速闪3下时,松开两个键,T-Rex指示灯红灯熄灭,表示配对已完成。

6. 两个BM2之间配对

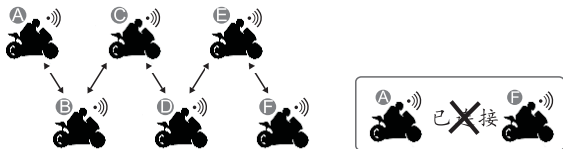


第一步:配对之前,确保周围没有其他激活的蓝牙设备

第二步:关机状态下,同时长按两个蓝牙对讲耳机的多功能键6秒,听到提示音“Pairing”,进入配对模式(红蓝灯交替闪烁)。

第三步:短按其中任意一个多功能键,听到提示音“Connected”后完成配对。此时,红蓝灯交替闪烁会变为蓝灯有规律的闪烁。

7. 群组通话设置 (6人对讲为例)



第一步：清除A、F的配对记录。

按住A、F的多功能键8秒，听到语音提示“Power off”继续按住3秒，看到红灯快闪3下，清除成功。

第二步：以下操作参考“6. 两个BM2之间配对”的操作方式。

1. A与B配对，配对完成后，将B关机；（注意：只是关机，不要清除配对记录）
2. B与C配对，配对完成后，将C关机；
3. C与D配对，配对完成后，将D关机；
4. D与E配对，配对完成后，将E关机；
5. E与F配对。

（此时，ABCDEF都为开机状态。）

第三步：将ABCDEF进行串连。

1. D按一下多功能键连到E，会听到一串对讲提示音；
 2. C按一下多功能键连到D，会听到一串对讲提示音；
 3. B按一下多功能键连到C，会听到一串对讲提示音；
 4. A按一下多功能键连到B，会听到一串对讲提示音；
- （此时，ABCDEF配对成功，可以进入群组通话。）

8. 群对讲时一方有来电操作方式

在6人群对讲时，C成员有来电，则群对讲从C成员处断开（A和B连接成一组，C单独成一组，DEF连接成一组）



C成员结束通话后，自动连入群对讲队伍中，6人群对讲恢复正常。

9. 功能及操作方法

1. 开机	长按多功能键约3秒，听到提示音“Welcome to use FreedConn product”松手。
2. 关机	长按多功能键5秒，听到提示音“Power Off”松手。
3. 接听来电	当有来电时，按一下多功能键即可接听电话。
4. 自动接听来电	当来电响铃15秒后无任何操作时，将自动接听来电。
5. 拒接来电	来电响铃立即按下多功能键2秒，听见语音提示“Call Rejected”松手。
6. 终止通话	在通电话时，按一下多功能键或正常使用手机电话结束通话。
7. 电话、对讲、音乐切换	<p>a. 优先手机通话，听音乐或对讲时，来电话，将自动切换到手机接听电话模式，在通话结束后自动恢复音乐或对讲状态。</p> <p>b. 在通话时，来对讲邀请，按住多功能键2秒，听见“嘀”声松手，即转入对讲模式。</p> <p>c. 在听音乐时，来对讲邀请，短按下多功能键，听见“嘀”声，即转入对讲模式。</p>
8. 语音呼叫	无电话时，按住多功能键2秒，听见语音提示“Voice Dial”松手。

9. 启动蓝牙对讲通话	开机时或对讲断开状态下，短按一下两配对过的蓝牙头盔中任意一个的多功能键，听到提示音“Connected”，即可开始对讲。
10. 结束蓝牙对讲通话	对讲时，短按下多功能键，听到提示音“Disconnected”。
11. 对讲切换（三方）	开机时或对讲断开，单击和双击多功能键。
12. 音乐播放/暂停	顺时针扭转多功能键2秒。
13. 音乐/通话/对讲音量增/减	音乐/通话/对讲时，逆时针扭转一下降低音量，顺时针扭转一下音量增，音量到最大或最小时都会有提示音“嘟嘟”。
14. FM功能	无通话无对讲时，逆时针扭转多功能键2秒，松开前有提示音“嘀”。 在FM收音状态： a. FM音量调节：顺时针方向每旋转一次音量变化一下，最大时有“嘟嘟”提示音（最大后再按一次还是最大按第三次变到最小）（循环）。 b. FM频道调节：逆时针扭转MFB键调到下一个更高的FM频道（循环）。
15. 清除已配对记录	按住BM2的多功能键8秒，听到语音提示“Power off”继续按住3秒，看到红灯快闪3下，清除成功。

10. 产品技术参数

电池容量：500mAh

待机时间：120h

电源适配器：直流电5伏特500毫安

工作时间：连接蓝牙对讲机10h；

充电时间：2.5h

连接手机12h。

11. 电池电量指示功能

本产品使用聚合物电池，请确保放置在干燥的地方，若放置超过一个月要按时给予充电，以保证产品的使用寿命。

1. 电池电量充足时，蓝灯每2秒闪1次（开机状态下）；
2. 低电量时报警启动，间隔15秒会有低电报警提示（语音提示“Battery Low”，红灯每15秒闪1次），继续使用则会自动关机；
3. 充电时，红灯每2秒闪1次；
3. 充满电后，如再插入充电器，红灯会闪一下再灭。

12. 日常保养

- (1). 切勿将本产品放置在温度极高或极低的地方，最佳存放环境为-40度到+60度，否则会影响产品的使用寿命；
- (2). 切勿将本产品暴露在明火之中，避免爆炸危险；
- (3). 切勿将本产品接触尖锐对象，会造成划痕或损坏；
- (4). 切勿尝试拆卸本产品；
- (5). 如长时间不使用本产品，请确保放置在干燥的地方，若放置超过一个月要按时给与充电，以保证电池及产品的工作性能。

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.

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.