**INTRODUCTION**

Congratulations and thank you for having chosen the DWO-4 Bluetooth helmet headset for motorcycle riders. This manual will help operate the headset, but you should first familiarise yourself with the Bluetooth functions of your mobile phone or GPS device before using.

The DWO-4 Bluetooth helmet headset offers the following uses:

- Bluetooth helmet headset for mobile phone communication.
- Bike to bike intercom communication with another unit (up to 1.640 ft. / 1000 meters range).
- Turn by turn GPS navigation instructions (with compatible Bluetooth device).
- MP3 connectivity (Bluetooth compatible version).

**COMPATIBILITY WITH YOUR HELMET**

The DWO-4 Bluetooth helmet headset is easy to install inside the helmet. When buying your headset or your helmet, please ask your dealer for compatibility of both.

**CONTENTS OF RETAIL BOX**

- **button 1**
  - Power on
  - Paring
  - Start the intercom call
  - End the intercom call

- **button 2**
  - Answer call
  - Reject call
  - Last number redial
  - Voice dial
  - Volume up & down
  - Play / Pause
  - Music Forward / Backward

Note: The use of two speakers may be illegal in certain countries. Please check the local regulations and act accordingly.
FUNCTIONS

> Bluetooth® Hands-free
> Last number redial
> Automatically answer call and voice dial
> Reject a call
> Independent mobile phone volume control and memorize
> Mobile phone highest priority

> Rider to rider (Maximum communication range up to 1000m)
> Rider to pillon
> Independent Intercom volume control and memorize
> Intercom second priority after mobile phone
  (Typical effective range in urban area is about 1000m)
  Note: actual range will depend on weather conditions, terrain
  and presence of obstacles.

> Audio guide information from Bluetooth® GPS navigator by
  A2DP function or HFP.
> Independent volume control

> Bluetooth® A2DP music Play
> Enjoy music from Mobile phone or other music sources
> Remote control music play with AVRCP
> Independent music volume control and memorize
> Music third priority after phone call and intercom
> Music volume soft restore back

BATTERY CHARGING

The unit has an embedded rechargeable battery. Please charge the unit for approx 3 hours before use. The red LED will shine still when the battery is fully charged.
- Please use the USB cable gently, do not pull it too hard or the headset may be damaged.
- In order to keep the battery capacity and extend its life, please store the headset in 15°C to 25°C environment while not use.

⚠️ Note: Please do not use the headset while charging

The DWO-4 Bluetooth helmet headset is a water-resistant device, designed for use under moderate rain or snow conditions. However, the headset is not waterproof and should not be used under severe weather conditions.
INSTALLATION

1 Headset control box mounting plate
The headset mount plate must be mounted onto the helmet first. Once mounted, the headset unit can be attached or detached from the sliding plate at any time you want. The unit is designed to be mounted on the left side of the helmet.

Note: It is better to remove it from the mounting plate when not in use.

2 Mounting the microphone and speakers
- Ensure your helmet has enough room to mount the speakers (ie; cutout).
- Certain models of DWO-4 helmets are equipped with the specific cut-outs for this model, DWO-4. At time of printing (Jan 2012) DWO-4 compatible model include; Dominator, Tour Tech, Tour Tech TSS, GP3&CFK-1. For fitment to any other motorcycle helmet please consult your local dealer for expert advice.
- Fit the velcro tabs into the cut-out on the above DWO-4 helmet, or where applicable on other helmets then attach the speaker to the velcro tab (note: short speaker cord for left, long speaker cord for right).
- Ensure the microphone is positioned in close proximant to the mouth. On above DWO-4 helmets the microphone can be routed behind the removable cheek pads.

OPERATION

POWER ON & OFF

1. In power off state, long press Button 1 about 2S, blue light on, voice prompt 'Power on'.
2. Press Button 1 and Button 2 approximately 0.2S at the same time, the red light on, the voice prompt "Power off".

ENTER PAIRING MODE

In power off state, press and hold Button 1 for about 8 seconds until a "didi" tone played and the Blue and Red blue LED indicators flash alternately, the headsets are on pairing mode (the Bluetooth headset can be searched and paired only when it is on pairing mode).

MOBILE PHONE OPERATION

1. PAIR WITH CELL PHONE:
In the power on state, long press Button 2 about 5S, red and blue lights flashing alternately. Open the bluetooth searching of cell phone, Pairing, voice prompt 'Pairing'.

2. CONNECT MOBILE:
when power on, it will automatically connect mobile phone, if not, short press Button 2, to make it connect mobile phone

3. VOICE DIAL:
Power on and connected phone, short press Button 2.
4. AT THE END OF THE CODE REDIAL:
at boot stage, connected the phone, and then double-click Button 2. Prompt ‘Redialing’

5. TO ANSWER PHONE CALL:
When calling, it will automatically receive the phone call after 8s, in the case of a call,
short press Button 2 to answer

6. REFUSED TO ANSWER PHONE CALL:
when there is Calls, within 8S, double-click the Button 2 refused.

7. END PHONE CALL:
during the call, short press Button 2 hang up

INTERCOM OPERATION
1. Pairing Intercom Headsets
   1.1 Please press and hold Button 1 until Red/Blue lights flashes alternately to enter Pairing Mode.
   1.2 Short press Button 1 of either headset, it will search the other one which in pairing state, and then try to pair with it.

Note: Please do not press both Button 1 while starting the search operation!

   1.3 Within a few seconds, both headsets will turn off the red light, and then
      flashing slowly in blue. Pairing is finished.
   1.4 To pair with another headset, repeat the above steps please.

2. After pairing successfully, just short press either of Button 1, then the intercom function will be activated.

3. Pairing is a one time process. Once the headsets are paired during this setup procedure, they will remain paired and automatically recognize each other whenever they are within available range.

4. Either of headset users wants to end the intercom talking function, just short press either of Button 1, and then the intercom function will be terminated.

5. Mobile phone has highest priority. Mobile phone call can interrupt the intercom call. The intercom will be restored automatically after phone call ended.
**OPERATION**

**Power on**
Long press K_POWER about 2s, blue light on, voice prompt “power on”

**Power off**
press K_POWER and K_PHONE approximately 0.2S at the same time, the red light on, the voice prompt “Power off”

**Music Operation**
Please refer to the device user manual first.

**1 Play / Pause**
Long press Button 2 about 2s, hear a chime

**2 Music and Song Adjust**
Music playback mode, short press Button 2, enter the up and down adjustment mode to change the song up and down with the knob adjustment, within the 5S, automatic exit after 5S regulation mode, or short press Button 2 exit within 5S.

**3 Volume**
In the intercom, conversation, music stage, up and down to do the volume knob, achieve volume adjustment.

**GPS Navigator Operation**
1 Please pair GPS device and please refer to the GPS navigator user manual first to share the audio information from GPS via A2DP.

2 In phone or interoom call active and music-playing state, left twist and hold Button 2 can go to turn down the volume, right twist and hold Button 2 can go to turn up the volume, when reaching the maximum or minimum volume, a “DiDong” tone will be played.

3 Mobile phone or interoom calls have a higher priority than GPS audio. Mobile phone/interoom calls will interrupt the GPS audio. The audio will be restored automatically after the call has ended.

---

**Specifications**

<table>
<thead>
<tr>
<th>DWO - 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bluetooth Version</td>
</tr>
<tr>
<td>Bluetooth RF Spec</td>
</tr>
<tr>
<td>Talking Time</td>
</tr>
<tr>
<td>Standby Time</td>
</tr>
<tr>
<td>Charging Voltage</td>
</tr>
<tr>
<td>Charging Time</td>
</tr>
<tr>
<td>RF Frequency</td>
</tr>
<tr>
<td>Battery Type</td>
</tr>
<tr>
<td>Profile</td>
</tr>
</tbody>
</table>

Supports HSP, HFP, A2DP, AVRCP, and Full Duplex intercommunication.

---

**LED Light Indicator**

<table>
<thead>
<tr>
<th>Led Type</th>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Led off</td>
<td>Power off</td>
</tr>
<tr>
<td>Red and blue lights flashing alternately</td>
<td>Pairing mode</td>
</tr>
<tr>
<td>Blue lights flash every 1second</td>
<td>Standby modev</td>
</tr>
<tr>
<td>Blue lights fast flash 2 times every 3 seconds</td>
<td>Connected mode</td>
</tr>
<tr>
<td>Red lights flash 1 time every 30 seconds</td>
<td>Battery Low</td>
</tr>
<tr>
<td>Red always flash</td>
<td>Charging</td>
</tr>
<tr>
<td>Red still on</td>
<td>Charge finished</td>
</tr>
</tbody>
</table>
**TROUBLESHOOTING**

1. **Not working**

   The battery could be flat. Charge the headset for 3 hours and try again.

   Note: When the Bluetooth helmet headset has no connection to the mobile phone or other Bluetooth devices, turn off the device, then turn back on after more than 60 minutes later, the Bluetooth helmet headset will automatically be turned off.

2. **No sound**

   Physically check whether the speakers and microphone have been correctly connected. Check if you have turned the volume down too low.

3. **Whistling of the speakers.**

   If the microphone is too close to a speaker, the speaker will make a whistling sound. Increase the distance between the microphone and the speaker.

4. **Loss of connection with the mobile phone or music sources**

   Please check whether the battery is too low or the range to your mobile phone is out of 10 meters or blocked by some obstacles like metal or water etc. that absorb much radio signals.

5. **Cannot connect with mobile phone**

   Test connection with your mobile phone before purchasing. We cannot guarantee that the DWO-4 Bluetooth helmet headset can connect with all types of mobiles as some mobile phone may not use the standard Bluetooth profile.

6. **Can not reconnect or connect with your mobile phone automatically**

   Clear all pairing information of the Bluetooth helmet headset as user manual instructed, then please delete all Bluetooth devices on your mobile phone then turn off, take out your mobile phone battery for a few seconds, and then put back the battery, turn on your mobile phone, restart the Bluetooth function and search and pair the Bluetooth device again, after device paired successful, make sure you set the option of helmet headset to be "Default/Trusted/Authenticated/Auto Connect Enable/Always Visible/Discoverable” device. Now you can reconnect with your Bluetooth helmet headset.

7. **Reset**

   Some regions of high RF strength or near high power TV transmitters, GSM station or airport radars, can overwhelm the headset and stall the unit. Please charge the unit, and it will be reset and work normally again.

8. **Unsolved problem**

   Please return the headset back to after-sale service department if you can not resolve the problem with the help of steps 1-6.

---

**FCC Statement**

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 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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.
Bluetooth® Helmet Headset