User Manual for Dual Mixed Audio PTT Bluetooth Headset

Please read the instructions before using

Cautions:

To ensure the proper operation of the product, please read the "Cautions and Notes" beforehand and the following pure-colour marked safety instructions carefully strictly followed.

Do NOT immerse or water to avoid damaging the product as well as causing electric shock.
Do NOT drop or impact violently the product. Such act may cause irreparable damage to the product.
Do NOT expose the products to open flame or expose to direct sunlight for prolonged periods. Doing so may cause malfunction or fire.
Please do not operate the headset or talk on the cell phone while driving. Please obey the local laws. Please note: At no time should the manufacturer be liable for special, incidental or consequential damages, or any other indirect damages whatsoever resulting from the usage of this product.
Conversation on the cell phone when driving is extremely dangerous. Please don't use your phone while driving.
If anything unusual such as smoke, heat or bad smell is detected, please immediately stop using the product and contact the customer service. Under these conditions may cause electric shock or fire.

Notes on battery charging:

To charge the internal battery use USB adapter at normal temperature.
Use the original magnetic USB data cable and USB adapter only, otherwise smoke or fire may result.
When charging the battery, if any abnormal signs such as: Heat, smoke, or smell occur, please immediately stop using the product and contact the seller.
Disconnect the headset when charging is complete. Do not leave the headset connected to the charger for more than 24 hours. Such a condition may cause smoking/ignition.
Do NOT bite, bite or put the product into the mouth. Such act may result in serious injuries/accidents. Take utmost caution around children.
Do NOT use the product in the rain or in any wet. With water exposure, it may cause fire, electrocution, or failure.
Temperature range of use: -10℃~45℃
Use only the accessories and parts which have been authenticated by us to guarantee the correct functionality of the product.
Charge the battery at least once every six months even if the headset is not use for an extended period.

Product overview

Thank you for choosing our Dual Mixed Audio PTT Bluetooth Headset. In this user manual, we will introduce how to use Dual Mixed Audio PTT Bluetooth Headset. We will use DP8 to identify this product hereafter. You will know more about this product after you go through this user manual. We wish that this product will bring joy and convenience to your work and daily life.

Advantages of DP8:

1. It is a Bluetooth headset combined with dual PTT keys. The voice is transformed into the inner ear. It is very useful for professional/military/police/safety, hearing aid and sports field.

2. It could connect with two devices simultaneously (such as a cell phone and a two-way radio). It is very convenient. You can use two simultaneously and talk to each device separately for confidential concern.

3. No harm to your eardrums. The voice is transformed to the inner ear . And it is very comfortable even for long time wearing. Clean and healthy.

4. Open ear design, which ensures safety in outdoor environments. Since it does not block the ear canal, it allows you to hear sound around you as well, no matter you are walking, doing exercise or driving.

5. Optional Bluetooth PTT remote control is available to free your hands for better work efficiency.

6. Dual MEMS silicon microphones with DSP technology. Excellent noise cancellation, feedback suppression and anti-howling performance for optimal talking experience.

Technical Specifications

Support Bluetooth protocols	HSP, HFP, A2DP, AVRCP, SPP
Bluetooth version	Bluetooth 5.0 specification
Microphone type	Dual MEMS silicon omnidirectional microphone
	Dual Mic Noise Reduction
Average working time	12hours
Working distance with Bluetooth adapters	30meters
Charging time with adapter	2.5hours
Charging time with USB port	3.5hours
Talk time with Bluetooth adapter	5.5hours
Standby time	180hours
Battery capacity	180mAh
	Rechargeable Li-polymer battery
Working temperature	-10℃ ~ 45℃

Key Definitions

Power on: Press and hold the "M key" for 1 second until the light is on.
Power off: In power on state, press and hold "M key" and "PTT key" together for 3 seconds until the light is off.
Enter pairing mode: In power off state, press and hold "M key" for 5 seconds until the LED indicator flashes red and blue alternately.
Answer the phone: Short press the "M key" to answer the phone.
Reject an incoming call: Double press the "M key" within 1 second to reject the incoming call.
Hang up: During a call, double press the "M key" within 1 second to hang up.
PTT control: After the two-way radio is turned on and connected to the DP8 (please refer to "Pairing with two-way radio"), press the PTT key to radio peers, release the key to listen to voice from radio peers.
Turn up the volume: Press and hold the "volume+ key" to continuously turn up the volume when you are listening to music. During phone call or radio talk, press the "volume+ key" once to turn up the volume by one grid.
Turn down the volume: Press and hold the "volume- key" and to turn down the volume when you are listening to music. During phone call or radio talk, press the "volume- key" once to turn down the volume by one grid.
Clear pairing: Disconnect any Bluetooth connection. In power on state, press and hold "PTT key" and "Volume- key" for 5 seconds, until the red light flashes twice and shut down.

When only one of Bluetooth connection or pairing to two-way radio adapter is not connected, the following functions can also be enabled:

Last number redial: Double press the "volume- key" of DP8 in standby mode, then the cell phone will dial the last number.
Voice dial: In standby mode, double press "volume + key" to start the phone voice dialing function (Provided that the phone supports this function).
Play music: In standby mode and when the Bluetooth adapter is not connected, short press the "M key" once to play music;

Music play/pause: In music play mode and the Bluetooth adapter is not connected, short press the "M key" once to pause music, and then briefly press the "M key" once to cause music.
Music forward: In music mode short press the "volume + key" once to skip the music forward.
Music backward: In music mode short press once the "volume - key" to skip the music backward.

Dual Mic

Pairing with audio device

Pairing with cell phones:

1. Place the DP8 with the cell phone in a visible area within 30cm range.
2. Make sure the DP8 is in power off state.
3. Press and hold the "M key" for 5 seconds, when the red and blue LED flashes alternately, release the button, the DP8 enters the pairing state.

4. Turn on the cell phone Bluetooth and look for "DP8-x- xx" related Bluetooth Headset devices, click "connect" to pair.

Notes: If the DP8 was never paired to any devices or all the pairing information was cleared, it will enter pairing state when it is powered on.

Pairing with two-way radio Bluetooth adapters:

1. Place the DP8 with the Bluetooth adapters in a visible area within 30cm range.
2. When the DP8 is turned off, press and hold the "M key" for 5 seconds until the LED indicator flashes red and blue alternately, DP8 enters the pairing state.
3. Install the two-way radio BT adapter on the two-way radio.
4. Press and hold the "PTT key" on Bluetooth adapters, and then turn the BT adapters switch to the "on" side.
5. Press and hold the "PTT key" on Bluetooth adapters until the LED indicator of the PTT key flashes red and blue alternately, release the button to enter the pairing state.
6. After a short while, both the LED indicator of the DP8 and the Bluetooth adapter should flash blue slowly if they are successfully paired.

Notes:

1. The two Bluetooth devices only need to be paired once when they are used for the first time. They have memory function, which can automatically identify and pair previously connected devices when used next time.

2. Turn Bluetooth adapter switch to "on" to enable Bluetooth communications. Turn Bluetooth adapter switch to "off" to disable Bluetooth communications. By this way, you do not need to remove the adapters from radios frequently.

3. One phone and one two-way radio can be connected at the same time.

① After the DP8 is successfully paired with the cell phone, turn off the Bluetooth of the cell phone and the DP8.
② Pair the DP8 with the two-way radio adapter. After successful pairing with the two-way radio adapters, turn on the Bluetooth of the cell phone.

When both Bluetooth devices are connected, the DP8 can be used with the cell phone and two-way radio at the same time.

Startup sequence

① Turn on Bluetooth of the two-way radio adapter and cell phone first, and then power on the DP8. After all the three devices are on, they will connect automatically in a short moment.

② If the two-way radio adapter is not connected, you can short press the PTT key on the Bluetooth adapter

③ If the cell phone is not connected, you might enter the Bluetooth setting interface of the cell phone and connect it manually.

Charge the headset via Magnetic USB cable

① Firstly, attach the magnets end to the charging interface of the DP8.
② Secondly, connect the USB cable to the original 5V power adapter or the USB interface of the computer.

When it is being charged, the red light flashes slowly. When the red light is solid on, it is fully charged.

Firmware update

Before firmware update, install the corresponding upgrade software on the computer.
Please refer to the following steps for upgrading:
① Power off the DP8 and connect the DP8 to the computer by the original magnetic USB cable.
② Press and hold the "M key" and "Volume + key" together for 3 seconds until the red light is off.
③ The upgrade software can then detect the DP8.

Simply follow the instructions on the computer screen, you can easly complete the upgrade step by step.

LED light definitions

Charging status: Red light flashing slowly
Power on status: Blue light flashing slowly
Pairing status: Red and blue flashing alternately
Upgrade status (connected to PC): The light is off

FAQ

1. Cannot power on
The battery power level may be too low. Please charge it for 3~4 hours and then turn it on.
2. No sound
Please check if the volume is too low.
3. Sound is intermittent/noisy
Make sure if the battery power is too low. If not, is the distance between the DP8 and the cell phone is over 10m? Or is there any obstacles like metals or water in between that absorb frequency signals?
4. Cannot pair with phones
Clear all pairing information according to the user manual, and then put the DP8 and cell phone together within 1m and try to pair again. Pin pair and confirm that the password is "0000".
5. The DP8 is frequently disconnected or has noise after being connected to the cell phone
① The battery power level may be insufficient, so it is necessary to charge it as soon as possible. It keep will be heard when it is in low battery status.
② Turn off the DP8, and wait for about 20 seconds and then turn it on again so that it can automatically reconnect with the cell phone and the Bluetooth two-way radio adapter.
③ Make sure that the two devices are within working distance and there is no heavy obstacles in between.
6. Bluetooth is connected, but I can't listen to music
If the DP8 is connected with the Bluetooth two-way radio adapter, the music play function of the cell phone is automatically disabled.

In case you can't listen to music even when one cell phone is connected to the DP8 alone, please check the Bluetooth setting and make sure that the Bluetooth (A2DP) multimedia channel is connected successfully.
7. How to avoid noise
The noise in DP8 originates from many factors. Most of the reasons are caused by radio signal interference between the two-way radio and the DP8. To improve the call performance, you should keep a good distance between the two-way radio and the cell phone and the DP8. We have the following suggestions for your reference:
① Keep the wearing direction of the DP8 or the two-way radio and cell phones on the same side of the body.
② Avoid putting the cell phone in the bag (canvas bag will cause less obstruction, leather bag or briefcase might produce more problems).
8. How to adjust the DP8 volume?
When you are listening to music, increase the volume on the cell phone, or adjust the volume through the volume up and down buttons on the DP8.
You could also bend the ear hook slightly to adjust the DP8 volume physically.
9. Unable to reconnect or automatically connect with the cell phone
① Firstly, clear all pairing information according to the instructions in this manual, and then delete all pairing on your cell phone.
② Secondly, turn off the DP8, then restart the cell phone, pair with the DP8 after restarting.
③ Set the cell phone option to "default / trust / verify / allow automatic connection / continuously visible / discoverable" and make sure quiet mode /vibration mode is off (Because sometimes the vibration pulse of the cell phone will interfere with the Bluetooth RF Signal), and then pair and connect your cell phone again.

10. Can I use it while it is being charged?
For safety safety, please do not use the product when it is being charged.
11. System halted
The system halts when strong radio frequency interference occurs. Like near high-power TV transmitting tower, GSM base station, or airport radar, the system would crash. Just restart it after leaving the Interference environments.
12. How to exit accidental factory test or USB upgrade mode by wrong operation?
If the DP8 enters the test mode accidentally, the indicator light flashes abnormally, and the DP8 cannot be turned on. Attach the original USB cable to the DP8 and connect it to the power supply or PC USB port. Done.

If above can't solve your problem, please send back the product to our after-sales service department for help.

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 aredesigned 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 harmfulinterference 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.