

Dellking[®]

**Bluetooth Helmet Headset
User Manual**



Model No. : DK10

Thank you for purchasing the Bluetooth Helmet Headset DK 10. This headset is very portable and easy to install on your helmet. With DSP technology, it ensure the crystal clear voice when you are riding motorcycles or bicycles.

Please read this guide carefully to assure safe and satisfactory operation.

Caution

Do not immerse in water to avoid damaging the product as well as shortening its lifetime.
DO NOT drop or apply shock to the product. Such act may cause irreparable damage to the product.
DO NOT expose the product to open flame or under the direct sunlight for a prolonged period of the time. Such environment may cause malfunction or fire.

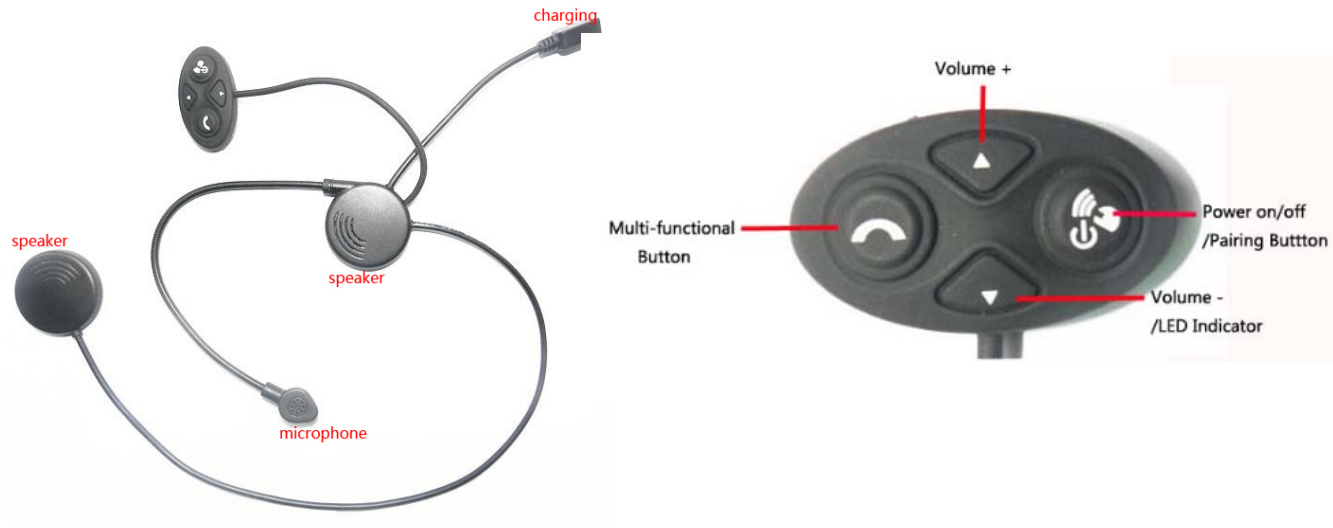
Please do not change the setting or talk on the cell phone while driving. It may cause an accident. Please note: in no event our product shall be liable for any special, indirect, punitive, incidental, exemplary or consequential damages, or any damages whatsoever resulting from the usage of this product.
Conversation on the cell phone when driving is extremely dangerous. Please go out of the road for doing the telephone call.
If anything unusual such as smoke, heat or bad smell is detected, please disconnect immediately the power and stop the usage. Continuing the use may cause electric shock or fire.

DO NOT lick, bite or put the product into the mouth. Such act may result in serious injuries/accidents. Take utmost caution around children.
DO NOT change the mic when it gets wet. With water exposure, it may cause fire, electrification or failure.
Temperature range of use: -15°C -50°C
Please use only qualified accessories which have been authenticated by us, in order to guarantee the product correct functioning.

Note on battery charge

For battery charge, use USB terminal or USB adaptor at normal temperature.
Use regulation USB terminal only. Otherwise it may cause smoke generation or fire.
When charging the battery, if any strange odor or high heat should broken out, please immediately pull the plug from the body. It may cause smoke generation or fire.
Do not leave the product in a state of charge long after the charging is completed. Such condition may cause smoking/ignition.
Charge battery at least once every six months even if the product is not use for an extended period of time. Over discharge may require battery replacement.

Product Overview



Main Functions:

- Answering/ Rejecting calls
- Last number redial/Voice dial
- Bluetooth intercom
- Stereo music
- Connecting with GPS
- Dual Link
- Dual Audio Merge Listen
- Firmware upgrade
- PTT Function with Dellking Adapter
- Bluetooth Remote control

About Charging

LED flash indicator	Indicated State
LED Indicators off	Power off
Red/Blue lights flashing alternately	Pairing state
Blue light short flash once every 2 secs.	Standby state
Blue light long flash once every 3 secs	Connected working state
Red light flash every 3 secs.	Battery is low
Red light flashing every 1 seconds	Charging
Red light is on for a long time	Charging completed

Technical Specification

Name of Product	Bluetooth Helmet Headset
Model	DK 10
Microphone Type	DSP Noise Suppression MIC
Bluetooth Version	V3.0 Class 2
Chip	CSR BlueCore5MM
Bluetooth Profile	HSP, HFP, A2DP, AVRCP, INTERCOM
Intercom Distance	10 meters
RF Frequency	2.4GHZ
Transmitting Power	5.53dBm
Charge Time	About 3 hours
Music Play Time	About 4 hours
Cell Phone Talk Time	About 4 hours
Intercom Talk Time	About 4 hours
Standby time	About 12 hours
Working Temperature	-15°C ~45°C
Storage Temperature	-25°C ~60°C
Battery Type	Li-Polymer 150mAh/3.7V

How To Fit

It's very easy to fit DK 10 in your helmet.

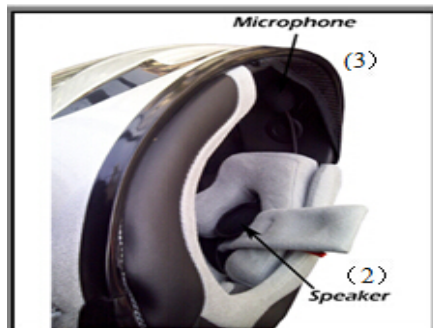
First, Sticking the DK 10 mounting plate. Peeling off the protective sticker on back of Adhesive Velcro in the accessories, then press mounting plate firmly onto dent place to accommodate ears on the helmet.

Second, (1) & (2) Inserting speakers. Removing adhesive protective sticker from back of Velcro pieces and firmly apply speaker to area inside ear pocket opening inside helmet on left and right sides.

Third, (3) About microphone. Adjusting the microphone before removing the Velcro sticker. Apply to the middle of the mouth of helmet (put the short headset cable on the left, and the long headset cable on the right); please pay attention to the site of the microphone, the flat side of the microphone should be exactly opposite to the mouth. Improper installation may led to low voice or even no voice.



(1) Velcro



Installed DK 10 Headset

How To use

Power on/off

In power off state, press **Power on/off button** and hold it for about 3 seconds, release the button when the led indicator flash blue indicating the headset is been powered on successfully.

In power on state, press **Power on/off button** and hold it for about 6 seconds, release the button when the led indicator flash red indicating the headset is been powered off.

Pairing Two Bluetooth Helmet Headset

To conduct full duplex intercom between two helmet Bluetooth headset, they need to pair with each other for using at the first time, and the pair info will be saved for using next time (it pairs each other automatically). Follow the instruction below:

① Place two Bluetooth headsets in a visible area together (distance less than 1 meter range), and make sure there is no other Bluetooth headsets in pairing state around, and both of the Bluetooth Helmet Intercom headsets are in power off state.

② Press and hold **Power on/off Button** of both Bluetooth Helmet Intercom headsets for about 8 seconds, when the led indicators of both headsets flash red and blue quickly and alternately, release both buttons, at this moment, the two Bluetooth Helmet Intercom headsets are in pairing state. Then short press either of pairing button, the pressed Bluetooth Helmet Intercom headset will search another in pairing state one and try to pair with it.

③ Once paired success, both Bluetooth Helmet Intercom headsets indicators will become flashing blue slowly.

Pairing between DK10 Bluetooth Helmet Headset and Mobile.

① Place the DK10 Bluetooth Helmet Intercom headset and the mobile phone in a visible area within 1 meter range.

② Make sure the Bluetooth Helmet Intercom headset is in power off state.

③ Press and hold Power on/off Button for about 8 seconds, release the button when the led indicator flash red and blue quickly and alternately, then the Bluetooth Helmet Intercom headset is in pairing state now.

④ Follow the user manual of your mobile phone, turn on the Bluetooth function, and searching the Bluetooth headset devices.

⑤ From the found devices in your mobile phone, select the device named “DK 10”, and then connect to pair with it, when it prompts to enter password, enter password <0000>. Once paired successful, LED Indicator will change from Blue/Red alternately to Blue flashing. Now you can use the headset to answer you phone call, or enjoy the music from your mobile phone.

PS: Pairing password may be not necessary for some mobile.

Function Operations



Phone call

① Answer incoming call

When there is an incoming phone call, press **Multi-functional Button** once to answer the call or the headset will connect the call automatically if there's no operations for about 10s .

② Reject incoming phone call

Short press **Multi-functional Button** for about 2s to reject an incoming phone call.

③ Hang up call

In call active state, Short press **Multi-functional Button** for 2s to hang up the call.

④ Last number redial

Double press the volume – button quickly, then the Mobile phone will dial out the last call out number. (only when headset is in standby state, or music play paused state.)

⑤ Voice Dial

Double press the volume + Button, then the mobile will prompt you to speak out your desired information. (only when headset is in standby state, or music play paused state.)

(Note: The above function requires the mobile phone supports HFP Bluetooth Profile, and please make sure your Mobile Phone supports Voice Dial before activate Voice Dial function.)



Bluetooth Intercom talking

① Turn on Bluetooth Intercom talking function

When there is not phone call or GPS audio, short press one of either paired DellKing headsets to turn on the Intercom talking function

② Turn off Bluetooth Intercom talking function

During intercom active state, short press one of either connected DellKing headsets will turn off

the Intercom talking conversation.



Stereo music play control and Volume control

① Play forward/backward

Press the volume – button once to select next music. Press the volume + button to select the previous music.

② Pause/Play

Short press the **Multi-functional Button** once, the music can be paused or played.

(Note: The above function requires the mobile phone supports Bluetooth A2DP and AVRCP)



Volume control

To adjusting voice volume during the phone call state and Music playing state, just press and hold the volume + button to turn up the volume; press and hold the volume – button to turn down the volume. Release the Button till you feel good. When reaching the maximum or minimum volume, a “Di Dong” tone will be played. The The volume of each audio source (two phones, two A2DP music audio, intercom audio) can be individually tuned, i.e. 7 different volume parameters can be used.

Volume Memorize

After power off, the user tuned favorite volume level will be remembered by the Dellking headset, next time user power on the device and when the audio source is active the corresponding volume level will be restored for the audio source.

Noise Dependent Volume Control

During phone calls, radio talk, intercom calls or GPS audio messages, if the wind noise or environment noise is very high and the speaker volume is not at maximum level, the Speaker will automatically increase the volume level according to the noise level, and when the noise disappeared for a while, the volume automatically restores back to the original level.



telecom

Dual-link

(two mobile phones or one Mobile Phone GPS or other Bluetooth Device)

- ① Pairing the Bluetooth headset and the mobile phones (GPS or other Bluetooth Device).
- ② Connected with the Bluetooth headset, when there's incoming phone calls, press the **Multi-functional Button** to answer the call or the headset will auto answer the phone calls if there's no operations for 10s; the incoming call for the other mobile can be answered only by press the **Multi-functional Button** once.
- ③ Double press the **Multi-functional Button** to hang up the first call; long press the Multi-functional Button for 2s to end up the second incoming call.
- ④ Press the Multi-functional Button once to pause the music, then long press the **Multi-functional Button** for about 2s to transfer to music of the other mobile, short press the **Multi-functional Button** once then the music of this mobile phone can be played.



Dual Audio Merge Listen

(two mobile phones or two radio phones or one Mobile Phone GPS or other Bluetooth Device)

- ① Pairing the Bluetooth headset and the mobile phones/radio phones (GPS or other Bluetooth Device).
- ② When the DK 10 headset connecting with one mobile phone and one radio phone, the message from the radio phone can still delivered to the user even during active call, both users of the radio phone and mobile phone can hear the message from the headset;
- ③ Long press the Multi-functional Button to speak, only the user of the radio phone can hear the message from the headset.
- ④ When the DK 10 headset connecting with two radio phones, the messages from both radio phone can be delivered to the headset user
- ⑤ Long press the Multi-functional Button to speak, only one user of the radio phones can hear the message from the headset.
- ⑥ Short press the Power on/off Button, then the headset will shift to control the other

radio phone, and at this moment, Long press the Multi-functional Button to speak,
the user of this radio phones can hear the message from the headset user.



GPS navigator

Make sure the GPS have the Bluetooth function. After pairing and connecting, the voice can be shared from the GPS navigator.



USB setup

Connection to a PC

The DK 10 Bluetooth Helmet Headset can be connected to a Windows PC for the firmware upgrade, such a software must be installed on the PC before to connect it to the DK 10 Bluetooth Helmet Headset.

Please refer to the following steps:

First power off the headset, then connecting the DK 10 headset to a PC by proper USB cable.

Once such a cable is inserted into both the DK10 headset and PC USB port, the DK 10 is put into the battery power off charging state. For enabling its communication with the wizard software, in power off state, press and hold the Power button for more than 20s until the LED indicator goes out, at that moment, the DK 10 Speaker Hand-mic can be detected by the wizard software.



(Optional) PTT Function

- ① This function need to use with Bluetooth dongle made by Dellking, users can control his walkie-talkie radio to talk by wireless PTT,
- ② Pairing headset with Bluetooth adapter(users can refer to the method of adapter using manual to pair);
- ③ When pairing successful, the **Multi-functional Button** of the headset will work as a remote PTT button to control the two-way radio that connects with the Dellking adapter; when the headset

is connected with the adapter, user can not use the **Multi-functional Button** to control the music from the mobile phone any more. The media control can only be restored after can be played only when the headset is disconnected with the adapter;

④Power off the Dellking radio adapter to disconnect with with the headset, the function of the Multi-functional Button to control A2DP music can be restored;

⑤Dellking adapter will occupy one HSP/HFP link, if one adapter is connected with the Bluetooth headset, then there's only one mobile phone can be connected to the headset;

⑥When the adapter connects with the headset, if there is still another mobile phone also connected with the headset, the phone call from the mobile phone can also be answered and hang up, short press to answer the call and double press the **Power on/off Button** to hang up or reject the call.



(Optional) Connecting with Bluetooth remote control

This function need to use with Dellking Bluetooth remote control, like BTR-001 or BTR-005.

Please refer to the following steps:

Long press the Power on/off Button of DK10 Bluetooth helmet headset for about 8s, release the button when the LED indicator becomes flash red and blue alternately, at this moment, DK10 is in pairing state;

Long press the Power on/off Button of bluetooth remote control for about 20s, release the button when the LED indicator becomes flash red and blue alternately, at this moment, remote control is in pairing state;

When both indicators of the headset and remote control shift to flash blue slowly, indicating pairing successfully.

When pairing successfully, the Power on/off button of the remote control act as a multi-functional button, now you can control calls and music by remote control.

FAQ:

1.Can not power on

It might low battery, please try again after charging for 3-4 hours,then plug and unplug the USB connector to reset the device.

2.No sound

Please check if the speaker is correctly fixed, or the volume is too low.

Is the sound channel switch in the correct position?

3.Speakers have echo

Maybe they are too close to the microphone, please move the speakers away from the Microphone to a normal distance.

4.Disconnect with mobile phone

Make sure if it is low battery, if not, the distance between the headset and mobile phone within 10m or between them exist obstacles that absorb frequency signals like metals or water ?

5.Can not pair with mobile phone

Clear all the pairing information according to user manual, and then put the headset and mobile phone together within 1m and try to pair after entering password 0000.

6.Fail to connect with mobile phone

Please make sure the mobile phones support Bluetooth function and Bluetooth HFP, A2DP and AVRCP or other related protocols.

7.Fail to reconnect or automatically reconnect with mobile phone

Remove all the matching information according to Bluetooth headset manual as well as that of your phone. Then turn off your mobile phone, take out the battery for several seconds, restart mobile phone and pair with Bluetooth headset again.

8.System halted

The system halts when strong radio frequency interface occurs. Like when nearby high power TV transmitting tower, GSM base or airport radar, the headset would crash. It can be reset by charging after get away from interface area.

9.Abnormal instruction of charging indicator

A. When the headset haven't been used for long time or overused, it need to be pre-charge for an Hour, then pull out and insert the charger, it will indicate normal charging. Please don't count the pre-charging time into normal charging time.

B. Try another charging cable or charger

10. Whether or not support using while charging

No, we don not recommend user to use while charging.

11. Compatibility with other chargers

Cigarette lighter charger of the motorcycle, emergency battery pack or other type charge might be used for charging as long as their actual output voltage is between 5V to 6V and have the same plug style and power source positive and negative polarities with our initial charger.

However the user will be responsible for the risk of using other chargers and we don't

Guarantee the effects.

12. Wrong operation into test mode or USB upgrade mode

Because of wrong operation and going into the test mode or USB upgrade mode, the set must be charged for one or two seconds to reset.

13. Please send back your helmet headset to our after-sales service department for help if above 1 to 12 suggestions fail to solve your problem.

FCC Part 15.19 Warning Statement

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 UNDESIRE OPERATION.

FCC Part 15.21 Warning Statement

NOTE: THE GRANTEE IS NOT RESPONSIBLE FOR ANY CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

FCC Part 15.105 Warning Statement

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 statement:

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.