Please read below content carefully before using

Thank you very much for purchasing our E2 Bluetooth PTT headset.

In this user manual, we introduce how to use E2 product, you can know more about our product according to this user guide. you will love our E2 after you read throgh and get to use it.

• Please read the " Cautions and Notes " before using the product for its safe and correct use.

• All of the following points contain important safety instructions and must be strictly followed.
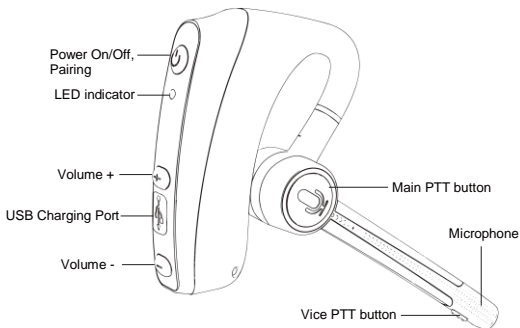
Cautions

◇ 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 device 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.

Notes 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.

Power On/Off, Pairing

LED indicator

Volume +

USB Charging Port

Volume -

Main PTT button

Microphone

Vice PTT button

◆ Dual PTT function   ◆ Dual merged audio   ◆ Support Poc APP   ◆ Phone calls

Specification:

Model	E2	Standby time	About 100 hours
Bluetooth version	V4.1 Class 2	Mic type	Dual MIC with DSP noise and echo cancellation
Bluetooth profile	HSP, HFP, A2DP,SPP		
Operation distance	10m	Operating time	-15℃ ~ 45 ℃
Charge time	About 3 hours		
Music Playing time	12hours, two way raidio	Storage time	-25℃ ~ 60℃
phone talking time	12hours	Battery	Li-polymer Battery(230mA/3.7V)

LED light Indicator:

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LED Indicator type	Indicated State
All LED Indicators off	Power off
Blue lights short flashing every 3 seconds	Standby
Blue lights long flashing every 3 seconds	Connected
Blue light solid on	Call audio actived
Blue lights and Red lights flashing alternately	In pairing state
Red lights flashing 2times sequence every 60 seconds	Battery low
Red light flashing	Charging time
Red light solid on	Finish Charging

Main Features:

1. Phone Calls

1) Bluetooth Hands-free. Dual hands free with mixed dual audio supported.
2) Support voice dial
3) Support the last number redial
4) Call answer, reject and hang up functions supported
5) Hands-free Volume Control

2. PTT Over Cellphone (POC)

1) Support brand poc software such as: Zello Azetti Eschat or Kodiak etc
2) Using DSP noise reduction technology to ensure clear sound quality in noisy environments
3) Note: some poc app may need special firmware upgrade

3. Push To Talk Function

1) Connect with Bluetooth adapter/dongle
2) Dual PTT function, can control two radio phone separately
3) Primary PTT and secondary PTT switchable.
4) Dual PTT and mix talk when connect to two radio phone at the same time
5) Mix listen and talk with two phones or two radios, or one phone and one radio
6) Primary and secondary PTT button is switchable

4. Dual Audio Merge Listen and Separate Talk Function

1) Can listen the merged audio from both connected devices or talk group at the same time
2) Can listen and speak to walkie-talkie radio even during active call
3) Can listen to GPS message even during active call
4 High security and privacy level, Only the user can hear the conversation from both far ends, the audio from two other far ends are completely blocked, and can not listen to each other to prevent information leakage to unwanted person.

5. Dual Link Connect Function

1) Two mobile phones
2) One mobile phone and one radio phone with DELLKING Bluetooth adapter/ dongle device
3) One cell phone and one GPS navigator with Bluetooth HFP/HSP profile
4) One radio device with DELLKING BT Adapter/Dongle and one GPS navigator with Bluetooth HFP/HSP profile

6. Stereo Music playing

1) Listen the music form the mobile phone or other music sources with A2DP.
2) Support music play, pause, playback and forward control with AVRCP
3) Independent volume control
4) Soft music volume restore function
5) Can remember the user favorite volume

7. GPS Navigation

1) Support connecting with the GPS Navigation
2) Listen to GPS and phone call at same time
3) Independent Volume control

Note: Point 3 mix listen function need the GPS use HFP/HSP profile to broadcast voice prompt

8. Firmware upgrade

1) The firmware can be upgraded
2) No need for any other hardware, just a USB cable
3) Easy-to-use PC user guide interface with 12 languages

9. Supports Wireless Control

1) One button remote control supported
2) Remote controller also supports firmware upgrade

Power on
In power off state, press Power on/off button and hold it for about 3 seconds, until hear a note, release the button, blue indicator will flash to indicate power on .

Power off
In power on state, press Power on/off and hold it for about 8 seconds, until hear a long "di" tone, all LED indicators will be off to indicate power off.

Battery charge
In order to recharge the battery inside the E2 PTT headset connect the proper USB cable to the wall charger or to a PC USB port.

Pairing with mobile phone, BT adapter/dongle or GPS
①Place the E2 PTT headset and the mobile phone (BT adapter/dongle or GPS) in a visible area within 1 meter range.
②Make sure the E2 PTT headset is in power off state.
③Press and hold Power Button for about 8 seconds, When the Blue LED and the Red LED alternately flash, release the button; the E2 PTT headset enters in pairing state.
④By following the mobile phone，BT Adapter/Dongle or GPS navigator instructions, turn on the Bluetooth® function, search and pair the headset devices.
⑤From the found devices in your mobile phone, select the device named: "Dellking E2 vx.xx" and try to pair it by entering, if required on mobile phone, the pin code <0000>. Once paired successful, LED indicator will change from Blue/Red alternately to Blue flashing, indicating that the E2 PTT headset has been connected with your mobile phone.

Now it is possible to use the E2 to answer calls or to enjoy the music from mobile phone. To pair a second cell phone, BT Adapter/Dongle or GPS device just repeat all steps above.

Super Priority Pairing
The E2 PTT headset can handle devices by assigning them the "super priority" property for overriding all other devices. The super priority device will transmit PTT commands by SPP profile.

NOTE

Only one device can be defined as super priority device; the latest super priority paired device will replace the previous one. Only a mobile phone, DELLKING BT Adapter/Dongle or a GPS navigator (i.e. the HFP/HSP links) can be assigned as super priority.

To assign the super priority property to a mobile phone or adaptor/dongle, follow the normal pairing procedure (steps 1 to 4) and press the Primary PTT button before to turn on Bluetooth® on the device to pair.

① Place the E2 PTT headset and the mobile phone (BT adapter/dongle or GPS) in a visible area within 1 meter range.
② Make sure the E2 PTT headset is in power off state.
③ Press and hold Power Button for about 8 seconds, when the Blue LED and the Red LED alternately flash, release the button; the E2 PTT headset enters in pairing state.
④ If you want to assign to the phone, DELLKING BT Adapter/Dongle, Radio Phone or GPS the super priority property, just short press the PTT (Primary PTT button) once at this time, then the LED indicator flash pattern will be changed to red two times and blue two times quick flashing. Super priority pairing is ready.
⑤ By following the mobile phone or GPS navigator instructions, turn on the Bluetooth® function, and search the headset devices.
⑥ From the found devices in your mobile phone, select the device named: "Dellking E2 vx.xx" and try to pair it by entering, if required on mobile phone, the pin code <0000>. Once paired successful, LED indicator will change from Blue/Red alternately to Blue flashing and a "di" tone indicates that the E2 PTT headset has been connected with your mobile phone.

Stop the Pairing Procedure

To stop an initiated pairing procedure there are two possibilities:
• Wait until the pairing procedure automatically timeouts
• Switch off the E2 PTT headset by long pressing the Power on/off Button.
• USB charge to reset the headset

NOTE

If the connection with a previously paired device doesn't take effect, it can be due to several reasons, including a breakdown of the Bluetooth® function on the device to be connected. To solve this issue, there are several actions to apply:
• Switch off and on the E2 PTT headset
• Switch off and on the Bluetooth® on the device to be connected
• Repeat the pairing procedure
• Clear all pairing list on the device to be connected and repeat the pairing procedure

Clear All Pairing Devices

In power on and without any active phone call, press and hold both PTT (Primary PTT button) and —(MINUS button) together for 6 seconds; when RED LED flash 2 times release buttons and, after all paring devices have been cleared, the E2 PTT headset will automatically power off.

Volume Up or Down

In any audio active state, press and hold + (PLUS button) to increase the volume of corresponding audio source; press and hold —(MINUS button) to decrease the volume of corresponding audio source. Release the button when the volume reaches the desired level. When the max or min volume level is reached, a limit tone note will be played.
The volume of each audio source (two phones, two music, intercom) can be individually tuned, i.e. 5 different volume parameters can be used.

Volume Levels Automatic Save

All favorite volume levels for each audio source are saved by the E2 PTT headset at power off, so at next power on, the E2 PTT headset can automatically set the last user favorite volume level, without any operation required for the user.

Automatic 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 current volume is not at maximum level, the E2 PTT headset 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.

Phone calls

Manually answer incoming call

When there is an incoming phone call, short press Power on/off button during only cell phone devices connected state or short press Power on/off Button during one phone device and one BT Adapter/Dongle device connected state to manual answer the call.

Automatically answer incoming call

The E2 PTT headset has the automatically answer function: at the 3rd incoming call ring tone (about 8 seconds) and no reject operations have been done, the E2 PTT headset will answer the phone call automatically.

Reject incoming call

Once hear the ring tone, double press Power on/off button, then the call will be rejected.

Hang up call

In call active state, double press Power on/off button, the call will be hang up.

Place on hold a cal

In call active state, a short press Power on/off Button to toggle shift the active call to hold and un-hold state.

Last number redial

While the E2 PTT headset is connected with the mobile phone and system is idle, quick double press Volume - button then the Mobile phone will dial the last out call number.
If the E2 PTT headset is in music mode,fist pause such mode by short pressing the Power on/off Button in cell phone connected only state, or pause/stop the music in user mobile phone first in the both cell phone and BT radio dongle connected state.If there are two mobile phones connected at same time with the E2 PTT headset, the number of the last outgoing call is dialed on the same call the last outgoing call has been done; if no calls have yet been done, the last number with first connected mobile phone is dialed.

Voice Dial

While the E2 PTT headset is connected with the mobile phone and system is idle (music) , quick double press +(PLUS button) then the mobile will prompt you to speak out your desired voice command.
If the E2 PTT headset is in music mode,first pause such mode by short pressing the Power on/off Button in cell phone connected only state, or pause/stop the music in user mobile phone first in the both cell phone and BT radio dongle connected state.If the voice dial function has been erroneously activated, double press - (MINUS button) again to cancel it.
If there are two mobile phones connected at same time with the E2 PTT headset, the voice dial command is initiated on either the first connected mobile phone or the last phone on which an outgoing call was made.

NOTE

Please make sure your mobile phone supports Voice Dial before activate Voice Dial function.
Be careful each mobile phone has a proper voice command to effectively start a new call.
Read carefully your mobile phone user manual in order to use the voice call function.

Dual PTT Function

This function need to use with Bluetooth Adapter/Dongle made by Dellking or corresponding group talk walkie-talkie app in the the smart phone such as ZELLO, Azetti, Bper,Kodiak etc.

1) In only one BT Adapter/Dongle or smart phone with group talk app connected state, both PTT(Primary PTT button) and PTT2 (Secondary PTT button) will control the same PTT function of the only connected device;

2) In two BT Adapter/Dongle or smart phone with group talk app connected to E2 state, like one link connected to a DellKing radio BT dongle, another connected to smart phone with group talk app, the first connected adapter/dongle will occupy the PTT (Primary PTT button), the later connected adapter/dongle will leave to use PTT2 (Secondary PTT button). 3

3) In two devices with PTT functions connected to E2 sate, double press the Power on/off Button to shift the PTT (Primary PTT button) and PTT2 (Secondary PTT button) control;

Stereo Music Playing

The MP3 play back function only available when not connected to BT radio Adapter/Dongle state.

Music player start

In phone mode, without any active call, short press power on/off button to start the music player.

Music play/pause control

In music playing mode, short press once the Power on/off button to toggle the music play/ pause state.

Music skip forward

In music playing mode, short press once the + (PLUS button) to skip the music forward.

Music skip backward

In music playing mode, short press once the "-" (MINUS button) to skip the music backward. Some mobile phone at first short press just restore back to the start of the song, another following short press on the "-" (MINUS button) within 3 seconds skip backward to previous song.

GPS Navigator

Preliminary operations

Pair to E2 PTT headset GPS devices and please refer to the GPS navigator User Manual first. E2 the audio information from GPS via HFP/HSP link.

Pair the GPS the same way as pairing to a mobile phone. Please refer to the pairing instruction of in the pairing section. GPS navigator will occupy one HSP/HFP link: if one GPS device is connected with the E2 PTT headset, then only one mobile phone can be connected to the Bluetooth microphone.

USB upgrade

Connection to a PC

The E2 PTT headset can be connected to a Windows® PC for the following operations:
• Firmware upgrade

Such operations can be performed by means of the proper E2 wizard software, available on the E2 website (www.dellking.net). Such a software must be installed on the PC before to connect it to the E2 PTT headset.

First Power off the E2, then connecting the E2 PTT headset to a PC by proper USB cable. Once such a cable is inserted into both the E2 PTT headset and PC USB port, the E2 is put into the battery power off charge state. For enabling its communication with the wizard software, In power off state,press and hold the Power on/off Button for more than 20seconds and until no more LED lights Red and Blue alternatively flash in the LED indicator. At that time the E2 PTT headset can be detected by the wizard software.

Remote control Support

1) Pairing the remote controller and E2 as per both items user manual instructions.
2) After paring successfully, you can press the remote controller to control E2 intercom and calls handling function.
3) Center button mainly used as PTT button, and only the PTT function of PTT (Primary PTT button) can be remote controlled.
4) Short press the center button to answer phone call, double press the center button to reject or hang up phone calls.

Can not power on

It might low battery, please try again after charging for 3 hours, then reset the PTT headset and try again.

No sound

Please check if the speaker mic have connected to the device or the volume too low?

Disconnect with mobile phone, Bt Adapter/dongle, or GPS

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?

Can not pair with mobile phone

Clear all the pairing information according to user manual, and then put the PTT headset and mobile phone together within 1m and try to pair again.

Fail to connect with mobile phone

Please make sure the mobile phone support Bluetooth function and Bluetooth HFP related protocols.

Fail to re-connect or automatically re-connect with mobile phone

First make sure your Bluetooth function in in your mobile phone have been turned on, then remove all the matching information according to Bluetooth headset manual as well as that of your phone. Then turn off your mobile phone, wait for several seconds, restart mobile phone and pair with Bluetooth PTT headset and set the headset read as "default/trust/test/permit automatically connection/always visible/allow to be found" device, and further ensure that the phone prompt tone is not vibrating mode (because the vibrating impulse wave would interfere with Bluetooth frequency signal sometimes), then repair and connect with your mobile phone. For android system, please make sure in the Bluetooth PTT headset device option list, you have both "Phone" and "Media" options selected.

System halted

The system halts when strong radio frequency interference occurs. Like when nearby high power TV transmitting tower, GSM base or airport radar, the PTT headset may die. It can be reseted by charge the headset by USB port.

Abnormal instruction of Charging indicator

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

2) Try another charging line or charger.

Whether or not Support using while charging

Use while charging is not recommended

Compatibility with other chargers

Cigarette charger of the car or motorcycle, emergency battery pack or other type charger 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 and responsible for the risk.

Wrong operation into factory test or USB upgrade mode

The BT PTT headsets light indicator flashes abnormally and can't power on after wrong operation into factory test or USB upgrade mode. User must use USB cable to charge to reset the device.

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

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:
(1) This device may not cause interference.
(2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

(1) L' appareil ne doit pas produire de brouillage;
(2) L' appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d' en compromettre le fonctionnement.

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.