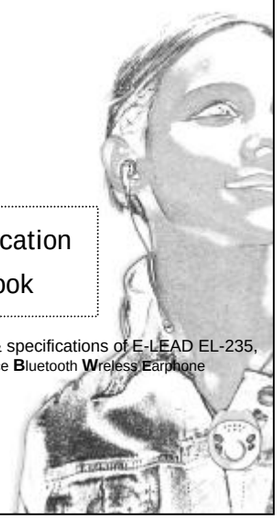
EL-235



Specification Handbook

Functions & specifications of E-LEAD EL-235, the **N**ecklace **B**luetooth **W**reless **E**arphone

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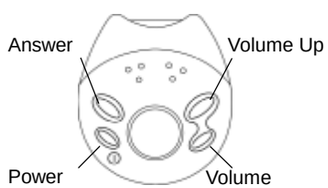
1. Accessories

(1). E-LEAD EL-235, the Necklace Bluetooth wireless earphone
(includes one rechargeable battery) ×1
(2). Exclusive charger ×1
(3). Specifications handbook ×1

2. Specifications for Button-keys

(1). “Answer” - To answer the incomingcall or hang up a call.
(2). “Power” – To turn on and off.
(3). “Volume Up” - To turn up the volume.
(4). “Volume Down” - To turn down the volume.



3. Descriptions of LED indicators

(1). The Necklace Bluetooth wireless earphone has three kinds of LED indicator-signals: green, red & yellow, and only one signal is showed at one time. Green means the battery is normal; red means the battery is low and yellow means the battery is under charging.
(2). LED twinkling (keep light for 0.5 seconds at an interval of 0.5 seconds)- the Necklace Bluetooth wireless earphone is in waiting for matching. (Pairing mode)
(3). LED twinkling (keep light for 0.1 seconds at an interval of 3 seconds)- Necklace Bluetooth wireless earphone is standby and ready to use. (Standby mode)
(4). LED twinkling (keep light for 1.0 second at an interval of 1.0 second) - Necklace Bluetooth wireless earphone is under dominant mode to act the VR-function or communicate with mobiles actively.
(5). LED twinkling quickly (keep light for 0.1 seconds at an interval of 0.1 seconds)- one call comes.
(6). LED keeps lighting- The Necklace Bluetooth wireless earphone is communicating with one call.

4. The operations of pairing with phones

(1). Press “Volume Up” & “Answer” on the necklace Bluetooth Wireless Earphone simultaneously and then lease them, now you can enter to pair EL-235 with your phone; the LED would twinkling with an interval of 0.5 seconds. (Attention: please refer the item (3) of section 7 before operating)
(2). Please use a mobile with Bluetooth to search the Bluetooth equipment (Refer to the mobile handbook for the operation method).
(3). After the searching, the device named “EL-235”, the Necklace Bluetooth Wireless Earphone, would be shown on the mobile screen.
(4). Choose EL-235 and add a new pairing.
(5). Enter the ID number: 0000.
(6). Return to Power-ON screen when succeeded for pairing.
(7). The Necklace Bluetooth Wireless Earphone would enter the standby mode when having succeeded in matching and the LED would keep twinkling for 0.1 seconds at an interval of 3 seconds.

5. The communicating operation

(1). Keep pressing “Power” for 3 seconds to turn on the EL-235 till the LED starts twinkling and hear the sound of three tunes from low to high if you wear the earphone then lease.
A. If the LED keeps twinkling for 0.1 seconds at an interval of 3.0 seconds, it means that the Necklace Bluetooth Wireless has been matched and under the standby mode.
B. If the LED keeps twinkling for 0.5 seconds at an interval of 0.5 seconds, it means that the Necklace Bluetooth Wireless has not been matched.
C. If the LED keeps twinkling for 1.0 second at an interval of 1.0 second (this is only applicable with Nokia mobile phones), it means that the Necklace Bluetooth wireless has been paired and is trying to communicate with one mobile phone.
(a) If the mobile phone matched with EL-235 is not powered on, EL-235 will try to communicate with the matched phone continuously till the phone is powered on. You also can reset and build a new pairing between your phone and EL-235.

(b) If the mobile phone paired with EL-235 is powered on, please operate the mobile phone to re-connect with EL-235. Otherwise one minute later, EL-235 will enter the paring mode automatically and you need to build a new pairing between your phone and EL-235.
(2). After the dialing on the mobile, the earphone would pick up this call automatically. (For Philips mobiles, it needs to be selected the function -“Switch to Earphone” manually. Please refer the handbook of Philips mobiles)
(3). If your mobile supports and has started VR-dial function, keep pressing the “Answer” on the earphone for about 3 seconds and notify a “beep”, then lease, and refer to the mobile handbook for VR-dial instructions. (For Nokia mobiles, it is unable to dial out by VR-function from EL-235, but there is no problem to use VR-dial function from Nokia mobiles directly.
(4). When the mobile has one call, you can hear the ringing in the earphone & the LED would twinkle quickly (keep light for 0.1 seconds at an interval of 0.1 seconds), and you can pick up the call by pressing “Answer”.
(5). The LED would keep lighting during communication.

(6). You can use the “Volume Up” or “Volume Down” to adjust the volume during communication. There are 15 segments from the maximum to minimum for the volume control and it will notify a “beep” at the maximum and minimum.
(7). Press the “Answer” for 3 seconds and notify a “beep” can force to hang up the call during communication.
(8). The Necklace Bluetooth wireless earphone would resume to standby mode automatically when the call was finished.
(9). To turn off the Necklace Bluetooth wireless earphone during the standby mode, please keep pressing “Power” for 3 seconds to turn on the EL-235 till the LED starts twinkling 3 times and hear the sound of three tunes from high to low if you wear the earphone then lease, the earphone would be powered off. It also can turn off the Necklace Bluetooth wireless earphone during communication, please keep pressing the “Power” for 3 seconds to hang up the call and the green LED twinkles 3 times at the same time; also will hear the sound of three tunes from high to low if you wear the earphone then lease, the earphone would be powered off.

6. Recharge the battery

(1).After EL-235 was powered on for about 6 seconds, the LED will indicates the current battery status: green means the battery is normal; red means the battery is low; yellow means the battery is under charging.
(2). After the charging adapter was inserted into a EL-235 for about 6 seconds, the LED will indicates yellow and the battery is under charging.
(3). EL-235 which is powered off will be powered on automatically by inserting the charging adapter and the LED will indicates according to the item (1) of section 6.
(4). As the LED indicates red, please insert the charging adapter into EL-235 to charge the battery as soon as possible. The LED will be yellow and the battery is under charging in 6 seconds. As the battery is full by charging for about 3.5 hours, the LED will be green and it is allowed to keep charging one more hour to ensure a fully charged battery.
(5). The LED indicates the battery status after remove the charging adapter for about 6 seconds: green means the battery is normal; red means the battery is low.

7. Other information

(1). If the battery low on standby mode, the red LED would keep twinkling red and if the battery is low during communication, the red LED would keep twinkling besides the earphone also notifies the sound “beep” 2 times per minute).
(2). The lift time of standby and communication depends on the different temperature and environment of the battery.
(3). When EL-235 is under “Pairing mode”, please remember to disconnect, cancel (Nokia mobiles) or remove the existed pairing record of your phone. Please refer the instructions of the manual of your mobile. Otherwise any dial-out or incoming-call of the phone paired with EL-235 will be connected again automatically to EL-235 even it is under “Pairing mode”.
(4). For Nokia mobile phones, if the connection was interrupted from phones manually, EL-235 will be under “Pairing mode” automatically.

8. Specifications

(1). Frequency Range: 2402~2480 MHz
(2). Bluetooth Regulations: V1.1
(3). Power for Radiation Frequency: 4 dBm MAX.(Class 2)
(4). Receiving Sensitivity: < -70 dBm
(5). Temperature for Operation: 0'C~+60℃
(6). Temperature for Storage: -20'C~+60℃
(7). Voltage for Operation: 3.6V
(8). Current for Operation: 0.06A
(9). Looking & Size: 54.5 * 47 * 16mm
(10). Weight: 35g
(11). Communication Time: 3 hours
(12). Standby Time: 100 hours
(13). Charging Time: 3.5 hours
(14). Distance for Operation: 10m

Appendix: Safety Declarations (FCC Part 15)

1) Service in USA:

GLOBALCOM ELECTRONIC TECHNOLOGY INC.
20653 LYCOMING ST., 3A1, WALNUT CA 91789 U.S.A.
TEL: 002-1-909-4445808; 909-4689397
FAX: 002-1-909-4681894
Simon Liou
E-mail: get888@earthlink.net

2) Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user 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.

The users manual or instruction manual for an intentional or unintentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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 needed.
- Consult the dealer or an experienced radio/TV technician for help.

Medical Advice- Pacemakers

It is recommended to keep a distance of 6 inches (15 cm) at least between the RF device and a pacemaker.

If you have any reason to suspect that interference is taking place, turning off immediately.

CE FC Tested To Comply With FCC Standards

FOR HOME OR OFFICE USE

E-LEAD

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