

Portable Rechargeable Speaker Manual

This product is specially designed to charge the IPHONE with intelligent charge control on patents. In addition, it can be used as a speaker. Compared with IPHONE, it enjoys larger sound volume and better sound quality. Product features and directions are as follows:

1. Buttons:

Volume +, Volume -, MODE button

Volume +: Press this button to turn the volume up;

Volume -: Press this button to turn the volume down;

MODE button:

When you plug IPHONE in it, press this button for 3 seconds to charge the mobile phone and then press another 3 seconds to stop battery charging (default: off charging)

When USB cable well connected and IPHONE plugged in it, press 3 seconds to charge external battery, and then press longer to charge the built-in battery of IPHONE (default: IPHONE built-in battery charging)

2. LED Status Indicator:

LED displays remaining power, different charging status and modes.

Charging Status Indicator:

Battery Voltage: below 3.7V, flicker at 4HZ

3.7-4.1, flicker at 1HZ

when battery is full, the indicator light is

always on

Battery level indicator when discharging (press any key when discharging):

Battery voltage: below 3.5V, flicker at 4HZ

4.0V-3.5V, flicker at 1HZ

4.2V-4.1V, indicator light is always on

Mandatory external battery charging mode: flicker at 8HZ

3. Lithium-ion Battery Charging Management

This product can be charged through the USB cable connected to IPHONE charger or PC. Battery life can be effectively extended through intelligent charging algorithm based on the charging characteristic curves of lithium battery.

4. External Charging IPHONE

IPHONE is charged with the aid of highly efficient rising-voltage circuit, and the charging current is 500MA. When this product is not linked to USB cable, you can decide whether to charge IPHONE by switching the MODE button.

5. Intelligent Charging Regulator

MODE button makes you free to choose to whether to charge the rechargeable external battery first or the built-in battery of IPHONE and ultimately two batteries would be charged together.

6. Automatic Data Synchronization

When IPHONE and the USB cable are connected to this product at the same time, both internal battery and external battery would be charged through the USB cable. LED status indicates charging capacity of battery. If the USB cable is connected to computer, IPHONE can be synchronized and charged. If the USB cable is connected to a specialized 5V Apple charger with a USB interface, IPHONE can only be charged, synchronization not allowed.

7. Power Amplifier and Speakers

This product adopts class-D amplifier featured by high conversion efficiency and low distortion to improve the sound quality and extend the endurance. 10W speakers with high sensitivity are employed in this product. A wonderful combination of circuit, horn, cavity and amplifier contributes to the best sound quality.

8. Types of Battery Cells

- a) Polymer lithium-ion batteries, nominal voltage 3.7V
- b) Capacity: 1500mAh
- c) Output voltage: $DC5 \pm 0.1V$
- d) Output current: $\leq 700mA (0.7A)$
- e) Input voltage: $DC5 \pm 0.2V$
- f) Input current: $\leq 500mA (0.5A)$
- g) Charging time: 3-5 hours
- h) Cycle life: > 500
- i) Operating temperature: $-10^{\circ}C - 50^{\circ}C$
- j) Storage Temperature: $-20^{\circ}C \sim +65^{\circ}C$

9. Sleep Mode and Wake-up Mode

When not connected to USB cable and IPHONE, the product will switch to sleep mode within 20 seconds in a bid to save power as much as possible, and the current is less than 0.1mA in this mode. When no music input is found, the amplifier would be shut down to extend standby time as much as possible. This product can waken up when IPHONE again plugged in or any key being pressed or the music player is on.

10. Areas of Application

Full ranges of Apple iPhone (Apple iPhone) and different series of IPOD, ITOUCH with 30 pin connection seat

Caution:

- 1. Because of the design flaw of iPhone antenna, in rare cases will the 2G signal cause the interference of sound speakers. 3G signal is proved to be normal.
- 2. When charging with computer, synchronization is not allowed if you give charging priority to spare battery.
- 3. When listening to music with ipod, and then you begin to play games without suspending the music, some strange sounds may be found in certain games. In this case please pausing the music first.