

# TAKSTAR® 得胜

镀金振膜

声  
色  
灵  
动

## PH130

智能手机麦克风  
SMART PHONE MICROPHONE

说明书 User Manual

## ■ 前言

尊敬的用户：

感谢您选购得胜PH 130智能手机麦克风，为了您能够更好的了解及使用本产品，建议您在使用前仔细阅读本说明书。

若存在有疑问或者您有宝贵的建议，可通过拨打得胜官方服务热线400 6828 333或微信扫描二维码关注得胜官方公众号与我们联系。



## ■ 产品特性

- ① 针对移动K歌、直播而设计，适用于智能手机及平板，兼容Android和iOS系统；
- ② 采用镀金小振膜音头，具有宽广的频响和动态，能承受大声压而不失真；
- ③ 实时耳返功能，超低延时，唱歌不抢拍，不掉拍；
- ④ 内置DSP数字芯片，9种美声效果一键切换，并有语音提示，操作简便；
- ⑤ 具有压限功能，大声压的演唱情况下会自动衰减，减少失真和爆音；
- ⑥ 集成听湿录干功能，满足后期合成需要；
- ⑦ 具有伴奏输入接口，可连接外部音源设备，方便直播时播放背景音乐或场景音效；
- ⑧ 内置可充电锂离子电池，节能环保，可边充边用。

## ■ 标准配置

- |                      |    |
|----------------------|----|
| ○ PH 130麦克风 .....    | 1支 |
| ○ 音频线 .....          | 2条 |
| ○ Micro USB充电线 ..... | 1条 |
| ○ 防风棉 .....          | 1个 |
| ○ 说明书 .....          | 1份 |

## ■ 系统要求

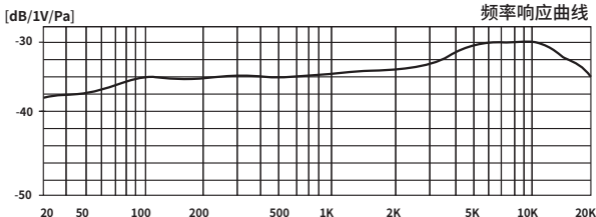
苹果、安卓全兼容

## ■ 适用范围

手机/平板/电脑：K歌、直播

K歌/直播平台：全民K歌、唱吧、映客、花椒、YY等

## ■ 技术参数



### 主机参数

拾音器：镀金小振膜音头

指向性：心型指向

频率响应：20Hz-20KHz

灵敏度：-38 ± 3dB (0dB=1V/Pa/m at 1KHz)

峰值声压级：≥120dB 1KHz (THD≤1%)

主芯片：DSP

从芯片：MCU

混响模式：Reverb

数字均衡：EQ调节

产品尺寸：Φ31\*153mm

净重：137g

### 电池参数

电池类型：锂离子电池

电池容量：700mAh

充电方式：USB 5V

使用时间：5小时以上

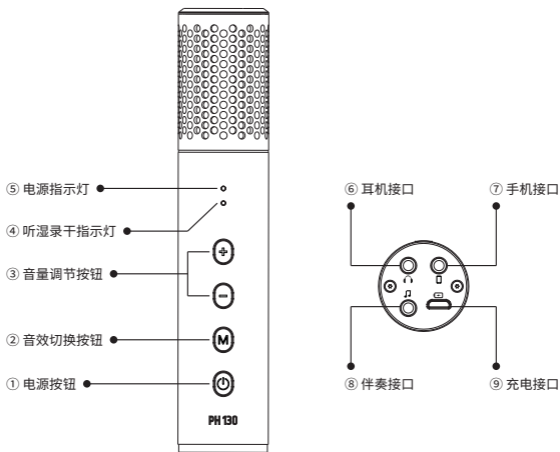
### 接口详情

音频接口：手机接口、耳机接口、伴奏接口

电源接口：Micro USB充电接口

注：以上数据由得胜实验室测试得到，并拥有最终解释权！

## ■ 功能示意



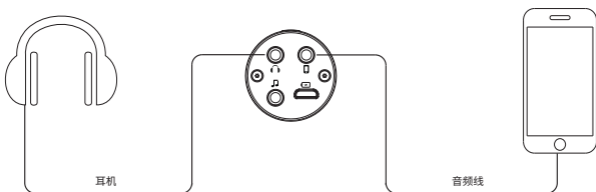
- ① **电源**：长按2秒开机；开机状态下，点按开启或关闭听湿录干；
- ② **音效**：9种美声效果可切换，点按音效按钮循环切换效果，有原声、小混响、中混响、大混响、KTV、电话音、喊麦、男变女、女变男，同时有相应的语音提示，开机默认上一次使用时的效果；
- ③ **音量调节**：8级麦克风音量大小调节，点按音量“+”调大麦克风音量，点按“-”调小麦克风音量，音量调大到顶（8级）或调小到底（1级）时有“嘟”的一声提示音；
- ④ **听湿录干**：点按电源按钮，听湿录干指示灯长亮蓝灯，录入干声；再次点按电源按钮，听湿录干指示灯熄灭，录入湿声；（所谓干声，是指未经处理的原声；湿声，是指经过混响、压限、回声、EQ等后期音频处理过的声音）
- ⑤ **电源指示灯**：电源开启时，指示灯长亮绿灯；电量较低时，长亮红灯；充电时，闪亮红灯；充满电时，长亮绿灯；电源关闭时，指示灯熄灭；
- ⑥ **耳机接口**：可连接耳机（带麦或不带麦的耳机都可以兼容）或有源音箱；
- ⑦ **手机接口**：通过音频线与手机或平板连接；
- ⑧ **伴奏接口**：通过音频线与外部音源设备连接，方便直播时播放背景音乐或场景音效；
- ⑨ **充电接口**：通过Micro USB充电线给麦克风充电；

## ■ 使用方法

### 一、软件下载

- ① 在手机APP软件市场下载“全民K歌”、“映客”或“花椒”等应用软件；
- ② 也可以通过网页浏览下载，搜索APP软件名称，注意根据手机系统下载相应版本。

### 二、手机K歌

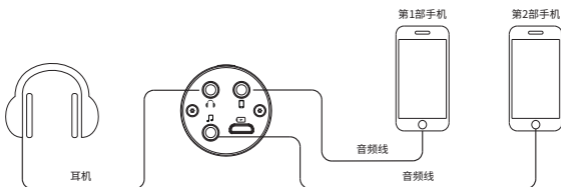


1. 将耳机与麦克风耳机接口连接；
2. 通过音频线连接手机的耳麦接口，没有耳麦接口的手机，需配合OTG转接线使用；
3. 开启“全民K歌”或其它K歌软件就可以K歌录音了。（由于麦克风有实时耳返功能，如果手机自身带有耳返功能的话，建议将K歌软件的耳返功能关闭，以获得超低延迟的耳返。耳返是指从耳机或音箱里听到自己说话或演唱的声音）

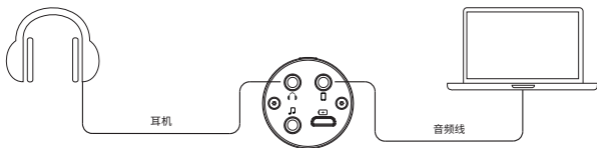
### 三、手机直播

针对部分手机直播APP无伴奏或者在手机直播APP上点播伴奏不方便的问题，麦克风增加了伴奏接口，实现一部手机用于直播，另一部手机用于播放伴奏或场景音效的功能，更加方便手机直播用户的需要。

1. 按手机K歌的方法将第1部手机连接好麦克风；
2. 通过音频线将第2部手机（或能播伴奏的设备）的耳麦接口与麦克风的伴奏接口连接；
3. 用第1部手机打开直播软件进行直播，用第2部手机播放伴奏。

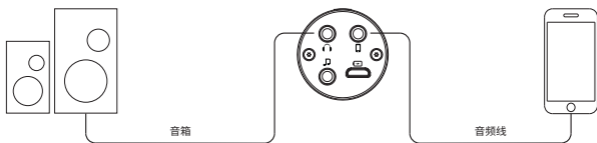


## 四、电脑K歌



1. 将耳机接口与麦克风耳机接口连接；
2. 如果电脑音频接口是单孔的，通过附送的音频线将麦克风的手机接口与电脑的音频接口连接即可；如果电脑的音频接口是双孔的，则需要先将附送的音频线一头与麦克风手机接口连接，将另一头与一分二电脑音频线连接（电脑音频线需另购），然后将电脑音频线分出的两个插头按照插头上的标识分别接到电脑的耳机及麦克风接口；
3. 打开电脑K歌软件就可以K歌录音了。（如果电脑录音音量过大，可以适当调小电脑录音设备的录音音量即可）

## 五、客厅K歌

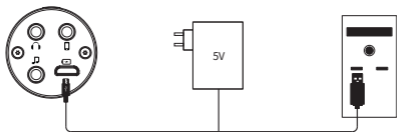


客厅K歌与手机K歌的方法雷同，将有源音箱连接到麦克风的耳机接口，将手机通过音频线连接到麦克风的手机接口即可。

### 提示：

1. 为了避免接有源音箱K歌时容易产生啸叫，请将麦克风拾音部分背对有源音箱，同时保持适当距离，减小麦克风音量或有源音箱输出音量；
2. 不建议在用有源音箱K歌的情况下用手机K歌APP录音，因为麦克风会拾取到音箱发出的声音，同时叠加麦克风本身的声音一起录制下来，从而造成录音品质浑浊不清。

## 六、充电示意



1. 可连接移动电源、电脑USB或电源适配器进行充电；  
注意：选用电源适配器的规格：DC 5V=1A；5V=1.5A；5V=2A；
2. 开机状态下，电源指示灯不亮，说明麦克风没电；电源指示长亮红灯，说明麦克风电量不足，需及时充电；
3. 充电时，指示灯闪烁红灯，表示正在充电中；充满电后，指示灯长亮绿灯；使用5V直流电源充电，在充电电流1A的情况下，约1.5小时即可充满电；当电池电量充满时，请停止对电池充电，避免电池过充。

### 提示：

初次使用时，建议先充满电，可边充边用，也可以关机状态下充电；如长时间不用，要每半年给麦克风充一次电，避免电池过放，对电池性能产生影响。

## ■ 故障处理

### 一、麦克风开启后指示灯不亮

1. 确定麦克风是否有足够电量，可尝试对麦克风进行充电后再试。

### 二、播放音乐无声音

1. 检查麦克风是否与手机连接成功；
2. 检查耳机或耳塞是否正确连接；
3. 检查手机是否已正常收音，可以先退出再重新打开播放软件，看是否恢复正常；
4. 检查手机音量是否调得过小，可调节手机音量看是否恢复正常。

### 三、无法监听到麦克风的聲音

1. 检查耳机是否与麦克风连接成功；
2. 检查麦克风是否正常开启；
3. 检查麦克风音量是否调的过小，调节之后看是否能恢复正常。

### 四、录制的声音无混响效果

1. 检查是否设置到了“听湿录干”模式，此时录音声音无混响；
2. 手机K歌连接方式下，如误将音频线接入麦克风伴奏接口，再接回麦克风手机接口后，会导致录制声音无混响，此时把音频线从手机上拨下，然后重启手机，重新连接上看是否能恢复正常。

### 五、无法录制麦克风声音或录制声音过小

1. 检查麦克风的接口是否接错，如误将音频线接到麦克风伴奏接口，是无法录制麦克风的聲音的，此时录制到的是手机内置麦克风的聲音；
2. 麦克风音量是否调得过小，调节之后看是否能恢复正常；
3. 检查手机的音量是否调得过小，将手机的音量调大后，录音音量也会同步增大；
4. 检查手机录制软件的麦克风音量是否调得过小，调节之后看是否能恢复正常。



## ■ 注意事项

为避免电击、高温、着火、辐射、爆炸、机械危险以及使用不当等可能造成的人身伤害或财产损失，使用本产品前，请仔细阅读并遵守以下事项：

1. 使用产品时请合理调整音量大小，不要在大音量下长时间使用，以免造成听力损伤；
2. 使用中若发现有异常（如冒烟、异味等），请立即关闭电源开关并拔掉电源插头，然后将产品送经销商检修；
3. 本产品及配件都应放置在室内干燥通风处，勿长期存放在潮湿、灰尘多的环境；使用中避免靠近火源、雨淋、进水、过度碰撞、抛掷、振动本机及覆盖通风孔，以免损坏其功能；
4. 若产品需要固定于墙壁或天花板上时，请确保固定到位，防止因固定强度不足导致产品发生跌落危险；
5. 使用该产品时需遵守相关安全规定，法律法规明确禁止使用场合请勿使用本机，以免导致意外事故；
6. 请不要自行拆机改装或维修，以防止出现人身伤害，如有问题或服务需求请联系当地经销商跟进处理。

## ■ Preface

Dear Customer,

Thank you for purchasing Takstar PH 130 smart phone microphone. Please read the user manual before operation and keep it for reference in future. If you have any question or suggestion, please contact our local dealer.

## ■ Features

- ① Tailored for mobile Karaoke and live broadcasting, suitable for smart phone and tablet PC, compatible with Android or iOS system.
- ② The capsule with small gold plated diaphragm, wide frequency response and dynamic range, without distortion in high SPL.
- ③ Real time headphone monitoring function, ultra-low delay, sing at the right rhythm.
- ④ Built-in DSP chip, one key to switch 9 effects (with sound prompt), simple operation.
- ⑤ Compression function automatically attenuates during high SPL singing to reduce distortion.
- ⑥ Integrated " wet recording & dry recording " switching function for convenient post production.
- ⑦ Accompaniment input connector to connect with external audio source equipment for convenient background music or scene music playing during live broadcasting.
- ⑧ Built-in rechargeable Li-ion battery, environment friendly, operating during recharging.

## ■ Product Content

- PH 130 microphone ..... 1 pc
- Audio cable ..... 2 pcs
- Micro USB charging cable ..... 1 pc
- Windscreen ..... 1 pc
- User manual ..... 1 pc

## ■ Compatibility

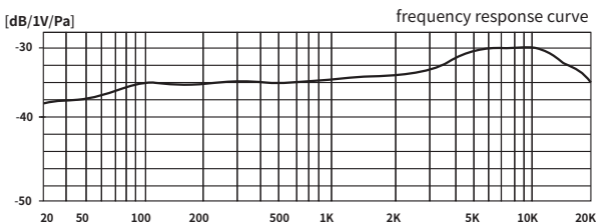
Compatible with iOS and Android system

## ■ Application

**Cell phone/tablet PC/PC:** Karaoke, live broadcasting

**Karaoke/live broadcasting:** Sing! Karaoke by smule, Yokee, The Voice: on stage, Red Karaoke, SingPlay

## ■ Specification



### Microphone Specification

Capsule: gold-plated diaphragm

Polar Pattern: cardioid

Frequency Response: 20Hz-20KHz

Sensitivity:  $-38 \pm 3\text{dB}$  ( $0\text{dB}=1\text{V/Pa/m}$  at 1KHz)

Peak SPL:  $\geq 120\text{dB}$  1KHz (THD $\leq 1\%$ )

Master Chip: DSP

Aux Chip: MCU

Reverb Mode: reverb

Digital EQ: EQ adjustment

Product Dimension:  $\Phi 31 \times 153\text{mm}$

Net Weight: 137g

### Battery Specification

Battery: Li-ion battery

Battery Capacity: 700mAh

Recharging Mode: USB 5V

Operating Time: more than 5 hours

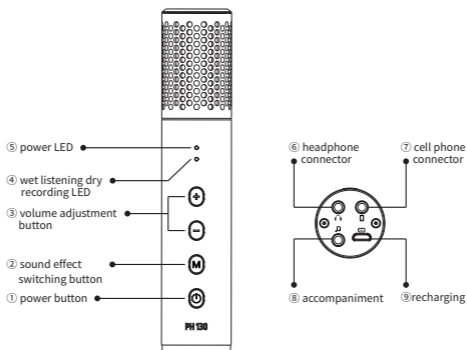
### Connector Specification

audio connection: cell phone connector、headphone connector、  
accompaniment connector

power connector: Micro USB charging connector

Note: the above data is obtained from the test of Takstar laboratory, and Takstar has the final interpretation right!

## ■ Function Diagram



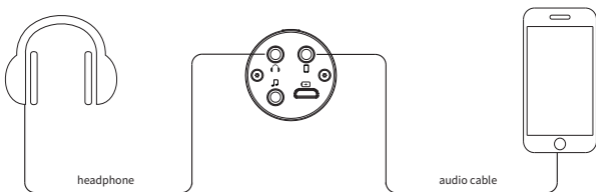
- ① **Power button:** keep pressing 2 seconds to turn on/off. In turning on status, press to turn on or turn off the wet listening & dry recording function.
- ② **Sound effect button:** 9 sound effects; Press it to switch the sound effects: original sound, minor reverb, medium reverb, strong reverb, KTV, telephone ring, RAP, man to woman, woman to man, and meanwhile there is relative vocal prompt. it defaults the effect used previously when turning on the unit.
- ③ **Volume adjustment:** 8 levels volume adjustment, press volume + to increase the microphone volume, and volume - to decrease, the highest volume is level 8, the lowest volume is level 1, it has the sound prompt “Du” when it reaches the extreme level.
- ④ **Wet listening & dry recording:** press the power button, the LED lights up blue and it records dry sound. Press the power button again, the LED lights off and it records wet sound (dry sound means the unprocessed original sound, wet sound means the sound is processed by reverb,compression, echo, EQ, etc.).
- ⑤ **Power indicator:** when the power button is turned on, the LED lights up green. When the power voltage is low, the LED keeps lighting up red. During recharging, the LED flashes red. After being recharged fully, the LED keeps lighting up green. When the power is turned off, the LED lights off.
- ⑥ **Headphone connector:** it is connected with earphone (with or without microphone) or active speaker cabinet.
- ⑦ **Cell phone connector:** it connects with cell phone or tablet PC via audio cable.
- ⑧ **Accompaniment connector:** via the audio cable, it connects with the external audio source equipment to add the background music or scene effect to live broadcast.
- ⑨ **Recharging connector:** it recharges the microphone via the Micro USB recharging cable.

## ■ Microphone Operation

### A. Software Download

1. Download the application software from the cell phone App software market.
  2. Or search the application software on the website and download it, identify the cell phone system and download correspondingly.
- B. Cell Phone Karaoke

### B. Cell Phone Karaoke

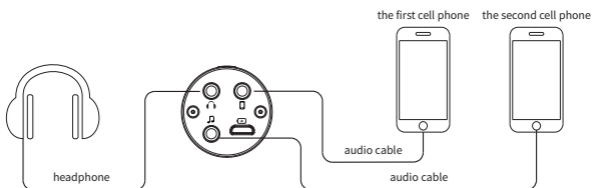


1. Connect the earphone with the earphone connector of the microphone.
2. Use the supplied audio cable to connect with the earphone connector of cell phone. If the cell phone has no earphone connector, use OTG adapter for connection.
3. Start the "software" to karaoke (as the microphone has the real time monitoring function, if the cell phone has the monitoring function, it is recommended to turn off the monitoring function of "Software" to get ultra-low delay monitoring effect). Monitoring means you can hear your voice or singing sound from the earphone or speaker.

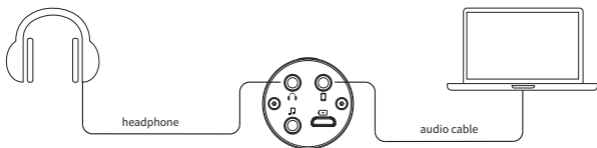
## C. Cell phone live broadcast

For the problem that some cell phone live broadcasts have no APP accompaniment or the inconvenience of playing accompaniment on cell phone APP, this microphone adds the accompaniment connector to achieve that one cell phone is used for live the first cell phone broadcasting and the other one is used to play accompaniment the second cell phone or scene effect. This can conveniently meet the requirement of user in cell phone live broadcasting.

1. Connect the microphone according to the cell phone karaoke connection method.
2. Use the accompaniment cable to connect the earphone connector of the second cell phone (or the equipment which can play the accompaniment) with the accompaniment connector of the microphone.
3. Use the first cell phone to start live broadcasting with App, and the second cell phone to play the accompaniment.

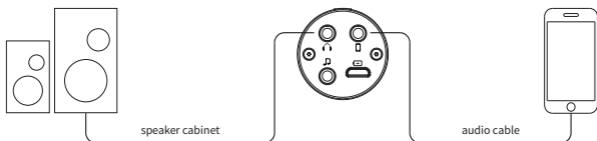


## D. PC Karaoke



1. Connect the earphone connector with the earphone connector of microphone.
2. If the PC audio connector has single socket, use the supplied audio cable to connect the cell phone connector of microphone with the PC audio connector. If the PC audio connector has two sockets, connect one end of the audio cable with the cell phone connector of microphone, and buy a Y type PC audio cable to connect with the other end of the audio cable, then connect the two plugs with earphone connector and microphone connector separately on PC (refer to the plug marks).
3. Start the PC Karaoke software to Karaoke recording (if the PC recording volume is too high, adjust it to a proper level).

## E. Home Karaoke

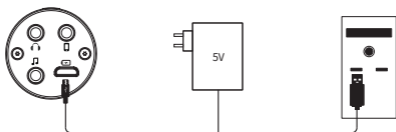


1. The way of home Karaoke is similar to that of cell phone Karaoke. Connect the active speaker cabinet with the earphone connector of the speaker cabinet microphone, and connect the cell phone with the cell phone connector of the microphone via the audio cable.

### Note:

1. To avoid howling during Karaoke, please keep the microphone cartridge against the active speaker cabinet and away to a proper distance, furthermore, reduce the microphone volume and the output volume of the active speaker cabinet.
2. It is recommended not to use cell phone Karaoke APP for recording when the active speaker cabinet is used for Karaoke, because the microphone will pick up the sound from speaker cabinet, and overlap the sound of microphone. This leads to the recorded sound turbid.

## F. Recharging diagram



1. User can connect portable power bank or PC USB or power adapter to recharge.  
Note: power adapter specification: DC 5V=1A; 5V=1.5A; 5V=2A.
2. In turning on status, if the power LED does not light up, it means the microphone has no power; if the power LED keeps lighting up red, it means the microphone power is low, and it needs to be recharged timely.
3. During recharging, if the LED flashes red, it means it is being recharged; after it is recharged fully, the LED keeps lighting up green; use DC 5V/1A to recharge, it takes about 1.5 hours to recharge fully. When it is recharged fully, please stop the recharging.

### Note:

it is recommended to recharge fully before the first operation, you may recharge it during operation or after turning off. If it will not be used for a long time, please recharge it every half a year.

### ■ Trouble Shooting

#### **A. LED does not light up after the microphone is turned on.**

1. Check if the microphone has sufficient power supply, try to recharge it, and then use it.

#### **B. No sound when playing music**

1. Check if the microphone has connected with the cell phone successfully.
2. Check if the earphone has correctly connected with the microphone connector.
3. Check if the cell phone has normal sound, or exit the software then turn it on to play again, then check the result.
4. Check if the cell phone volume has been decreased, try to increase the cell phone volume, and then check the result.

#### **C. The microphone sound cannot be monitored**

1. Check if the microphone has connected with the cell phone successfully.
2. Check if the microphone is turned on.
3. Check if the microphone volume is too low, try to increase the volume, and then check the result.

#### **D. The recorded sound has no reverb effect**

1. Check if wet listening & dry recording mode has been set, if yes, the recorded sound has no reverb.
2. If the cell phone connection cable has been connected with accompaniment input connector, this leads to that the recorded sound has no reverb. Disconnect the connection cable and then restart the cell phone.

#### **E. The microphone sound cannot be recorded or too low volume of the recorded sound**

1. Check if the audio cable has been connected with accompaniment input, it cannot record the sound of Microphone. It just records the build-in microphone sound of the cell phone.
2. Check if the microphone volume is too low, try to increase it, and then check the result.
3. Check if the cell phone volume is too low. The recorded volume increases after the cell phone volume increased.
4. Check if the microphone volume of the recording software is too low, adjust the volume and then check the result.



## ■ Caution

To avoid personal injury or property loss caused by electric shock, over temperature, fire, radiation, explosion, mechanical risk and improper use, please read carefully and abide by the following items before operation:

1. Please check if the power of the connected equipment matches with that of this product before operation. Adjust the volume to proper level during operation. Do not operate at over-power or high volume level for a long time to avoid abnormal functioning or hearing loss.
2. If abnormal phenomenon (smoke, abnormal smell) happens, please turn off the power switch and disconnect the power plug with power socket, and send the product to local dealer for maintenance.
3. The product and accessories should be put in dry and ventilated place rather than humid or dusty environment. Prevent the product from fire, liquid, rain, water, over-colliding, throwing, vibrating, vent hole covered to avoid function damage.
4. When the product needs to be installed on wall or ceiling, please fix it tightly to avoid dropping risk.
5. Please abide by safety rules during operation. Do not use the product in the place prohibited by regulation or law to avoid accident.
6. Do not disassemble or repair the product by yourself to avoid personal injury. If you have question or need service, please contact the local dealer.

## ■ 环保说明

### 产品中所含有毒有害物质或元素的名称及含量

部件名称 (大体分类)	有毒有害物质或元素					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (CrVI)	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
塑胶部件	○	○	○	○	○	○
五金部件	×	○	○	○	○	○
电路板组件	×	○	○	○	○	○
线缆	×	○	○	○	○	○

本表格依据SJ/T 11364的规定编制。

○:表示该有害物质在该部件所有均质材料中的含量均在GB/T 26572规定的限量要求以下。

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商品：\_\_\_\_\_ 型号：\_\_\_\_\_ 购买日期：\_\_\_\_\_ 年 \_\_\_\_\_ 月 \_\_\_\_\_ 日

维修记录栏(由维修员填写)	维修员签名	日期

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