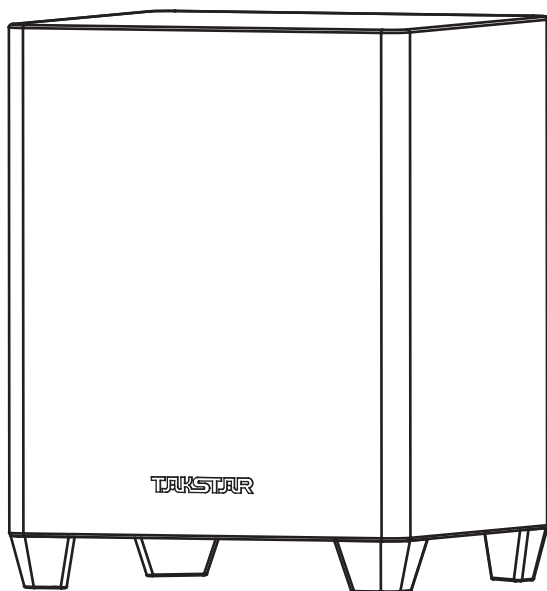


# TAKSTAR® 得勝

## EKC-6SW



**有源超低音音箱**  
Active Subwoofer

**用户手册**  
User manual



## 前言

尊敬的用户：

感谢您选购TAKSTAR EKC-6SW有源超低音音箱，此款超低音音箱配合EKC-7HD影K一体机和EKC-3TH全频音箱使用，能让您的5.1家庭影K音响系统的效果有质的飞越。EKC-6SW是为完善您的家庭影K系统而专门设计的，它使用方便、功率大、低频低沉有力、具有极强的震撼力。为了您能够更好的了解使用本产品，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 或使用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

- 配置三种输入接口：单、双莲花与高电平接口，能适应多种音源设备
- 音质低频低沉有力，具有极强的震撼力
- 放大器功率余量大，低频动态足
- 具有EQ调节功能，根据房间大小调节低频量感
- 配置相位调节开关，根据实际环境调节出较好的听音效果
- 具有分频频率调节功能，可适配不同尺寸的全频音箱

## 产品技术参数

频率响应:30Hz-250Hz

输入电平:≤700mv RMS

信噪比:≥80dB(A计权)

额定功率: 120W

电源:AC 220V/50Hz

整机功耗:≤200W

重量:净重12 Kg

外形尺寸(mm): 290宽x380高x310深

### 装箱清单

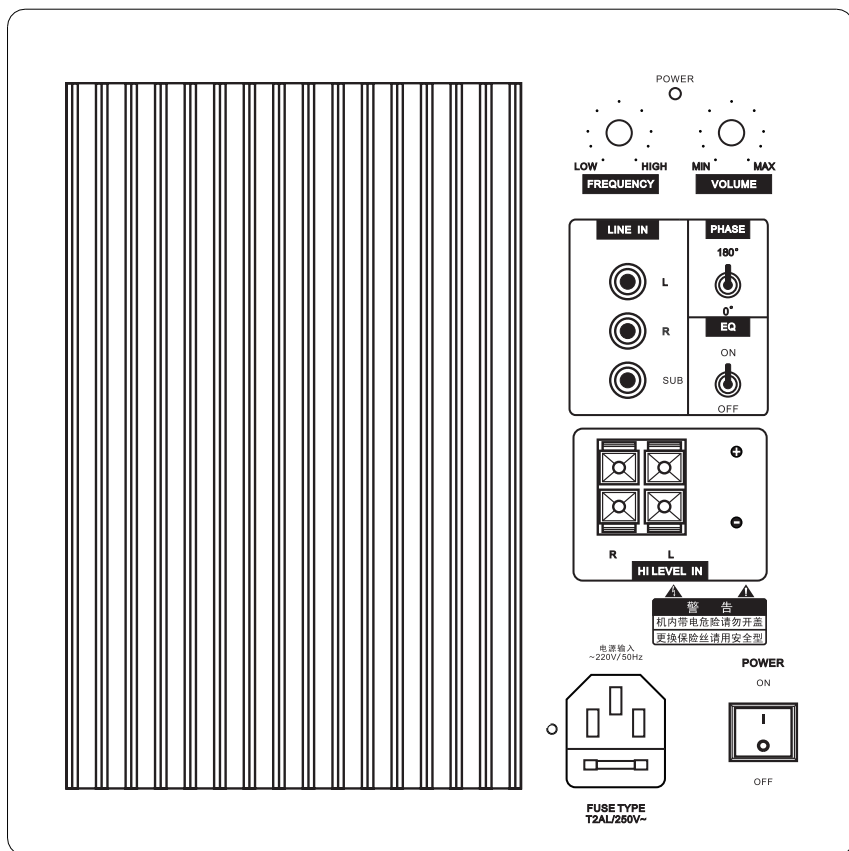
EKC-6SW有源超低音音箱×1

电源线×1

说明书×

## 面板功能介绍

- **HILEVEL In:**高电平输入。当家庭影院设备没有音频信号线路输出端时，使用这组端口输入高电平信号到超低音功放。
- **LINE IN:**线路电平输入端。用于从家庭影院设备的线路输出端输入信号。
- **POWER:**电源指示灯。打开电源时，指示灯为红色;约5秒左右放大器会自动转入工作状态，指示灯为蓝色。
- **PHASE:**相位切换开关。用于获得较好的听音效果。
- **VOLUME:**音量调节旋钮。沿顺时针方向旋转音量增大，反之音量减小。
- **FREQUENCY:**频率范围调节旋钮。超低音音箱分频频率顺时针80Hz-250Hz可调节。
- **EQ:** EQ调节开关。控制50Hz频率点的提升:当开关处于ON时，在50Hz附近有额外的(约4dB)提升，以特别加强低频效果。
- **电源开关:**用于接通或关闭整机交流电源。



### 超低音箱连接

如果您的光碟机、家庭影院放大器、前级放大器或环绕声解码器有相应的线路输出端，使用超重低音放大器线路输入端来输入信号。如果没有，使用高电平输入端输入。

#### 1.从线路输入端输入信号:

用音频信号线连接超低低音箱的线路输入端，如果您的家庭影院设备有两路SW输出，将信号线接到放大器背板上的L, R端口。如果是单路信号，则将信号线接到放大器背板上的SUB端口。

#### 2.从高电平输入端输入信号:

用音箱线将超低低音箱的高电平输入端连接到功率放大器的音箱输出端或者主音箱的输入接线端。请确定左声道连接L端口，右声道连接R端口，以及极性正确(+对+、-对-)。

3.连接完毕并确认正确后，您就可以将电源线接到电源插座。

### 超低音箱的测试

首先打开您的家庭影院系统，设置家庭影院系统为正确的工作模式，确保超低低音箱所连接的端口有信号输出，再打开超低低音箱的电源开关，将相位切换开关放在“0”位置(出厂设置)，把音量旋钮和频率调节旋钮旋到约三分之一位置。

播放一张您喜欢的碟片，您应该能听到超低低音箱播放的低音。

您也可以使用DVD播放机、家庭影院放大器、前级放大器或环绕声解码器的测试功能来测试超低声道的音箱，同时可以用这种功能来平衡和校准每个声道音箱(包括超低音)的音量。

注意:超低低音箱只对它接收到的低音信号作出反应，而许多时候信号并不包含低音(如人物对白、小提琴演奏、安静的场面等等)。

### 超低音箱的调节

完成系统测试之后，通过进行以下各项工作来达到最佳听音效果。在进行每一个步骤时，请仔细聆听和比较声音的变化(尤其是低音部分)。

播放一支低频比较有力且节奏感较强的音乐或歌曲，进行以下步骤:

#### 1.位置调整:

用较长的音箱线从高电平输入端输入信号，将超低低音箱放在正常听音位置(如沙发上)，音量调到约三分之一大小，然后在房间内各处走动。如果在某处听到的低音明显较强，那么超低低音箱应该放在这个位置。通常这样的地方不止一处，请选择方便接线和使用的地方。注：此有源超低低音箱的倒相管在背面，建议离墙20cm摆放，以获得较好的低频体验。

#### 2.音量调节:

调节音量使超低低音箱的声音和主音箱的声音很好地融合在一起。超低低音箱是为弥补您现有家庭影院系统低音的不足而设计的，不是为了来压制它们本身的表现。超低低音箱的声音应该与整套系统输出的声音融为一体。

产品使用指南

3.相位调节:

- a.反复拨动相位切换开关，在正常听音位置仔细聆听，比较开关在0°还是180° 的位置低频表现得更加结实有力，而且较明显增强;
- b.将开关置于低频更好些的位置;
- c.有时两种状态下低频听感几乎没有区别，那么将开关置于0的位置;
- d.如果您更换了主音箱、较多地改变了主音箱或超低音音箱的位置，就需要重新进行相位调节。

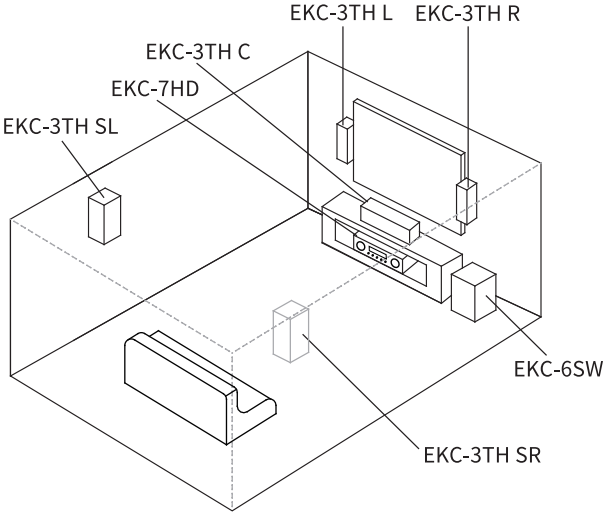
4.频率调节:

反复旋转频率范围调节旋钮，当整套系统的低音听起来衔接平滑、浑然一体时，超低音音箱的频率就调节好了。

故障解决方法

| 故障现象         | 故障原因                   | 解决办法                 |
|--------------|------------------------|----------------------|
| 无声           | 未接电源或未开电源开关            | 接通电源，打开电源开关          |
|              | 音量旋钮在最小位置              | 调大音量                 |
|              | 没有低频信号输入               | 检查系统接线及设备的设置         |
| 低音失真         | 超低音功放输出已达到极限           | 调小超低音或系统总音量          |
|              | 超低音功放频率范围太宽            | 调窄频率范围               |
| 大动态时失真或有异常声音 | 动态过大的声音（如爆炸声）使超重低音音箱过载 | 适当调小超低音音箱或家庭影院设备的总音量 |
| 有嗡嗡声或交流声     | 连接问题或系统接地问题            | 参考家庭影院设备说明书          |

5.1影K系统摆放示意图



## 注意事项

为避免电击、过高温度、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. 使用产品时请确认所连接设备与本产品功率是否匹配以及合理调整音量大小，不要在超过产品功率及大音量下长时间使用，以免造成产品异常和耳朵听力损伤；
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. 若产品需要使用可拆装电池时，严禁使用外壳绝缘材料破损的电池；请不要为非充电电池充电；
4. 废弃电池需放入指定的分类垃圾桶，不可作为儿童玩具或直接丢弃，以免造成安全隐患或影响环境；
5. 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，使用中避免靠近裸露火源、碰到液体物质、雨淋、产品进水、过度碰撞、抛掷、振动本机及覆盖通风孔，以免损坏其功能；
6. 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；
7. 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；
8. 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；
9. 本产品内置的喇叭磁场较强，请将产品放置距离电脑或者电视机60CM以上的地方使用；
10. 远离高温：请不要将本产品放置在高温的位置；
11. 请将本产品放置在通风的环境；
12. 请不要将本产品放置潮湿环境的地方；
13. 拔出电源线前，请先关闭产品的电源；
14. 如长时间不使用，应把电源线拔出，断开电源；
15. I 类结构的设备应当连接到保护接地连接的电网电源输出插座上的警告；
16. 只能使用本机附送或同规格的电源适配器。若产品无附送电源适配器时，可在2000米以下高度及热带和寒冷气候条件下正常使用；若产品有附送电源适配器时，适用海拔及气候条件由适配器决定，使用前请阅读并理解适配器上的图标含义。示例如下：



仅适用于海拔2000  
米以下地区使用



仅适用于非热带  
气候条件下使用

## Preface

Dear Customer,

Thank you for purchasing TAKSTAR EKC-6SW active subwoofer which is used with EKC-7HD cinema/Karaoke combo unit and EKC-3TH full range speaker cabinet together to promote the sound effect of 5.1 home cinema system. EKC-6SW features convenient application, high power, powerful bass. Please read the user manual before operation and keep it for reference in future.

## Features

- Designed with 3 types of connectors: single RCA, dual RCA and high level connector to link with multiple audio source equipments
- Powerful bass
- High headroom or power amplifier, sufficient bass dynamic
- EQ adjusting function to adjust bass according to actual room space
- Phase switch to adjust better sound effect according to actual environment
- Crossover frequency adjusting function to suit for various dimension full range speaker cabinet

## Specification

Frequency Response: 30Hz-250Hz

Input Level:  $\leq 700\text{mv RMS}$

S/N Ratio:  $\geq 80\text{dB(A weighted)}$

Rated Power: 120W

Power Supply: AC 220V/50Hz

Power Consumption:  $\leq 200\text{W}$

Net Weight: 12 Kg

Dimension (mm): 290Wx380Hx310D

### Product Content:

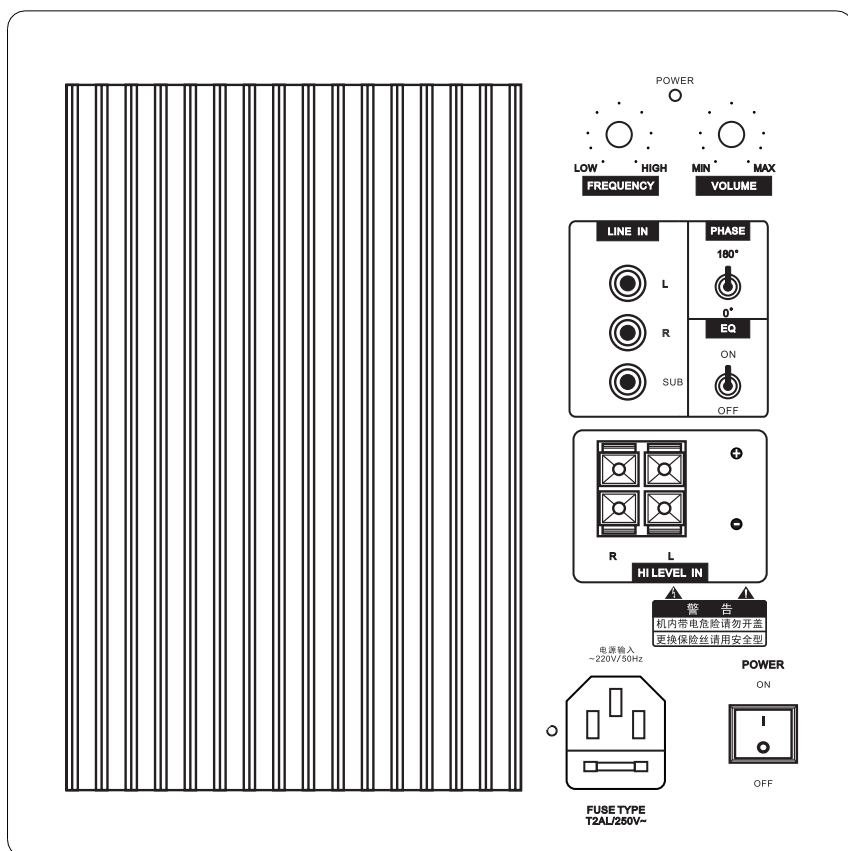
EKC-6SW active subwoofer  $\times 1$

Power cord  $\times 1$

User manual  $\times 1$

## Panel Function Introduction

- **HILEVEL In:** high level input. If the home cinema equipment has no audio signal line out connector, use this connector to input high level signal to the subwoofer power amplifier.
- **LINE IN:** line in connector is used to input the signal from home cinema equipment.
- **POWER:** power LED; Turn on the power switch. LED lights up red. After 5 seconds, the power amplifier works, and the LED lights up blue.
- **PHASE:** the phase switch is used to adjust better sound effect.
- **VOLUME:** turn the volume knob clockwise to increase the volume and vice versa.
- **FREQUENCY:** This knob is used to adjust the subwoofer crossover frequency in a range 80Hz-250Hz.
- **EQ:** This EQ adjusting switch is used to boost 50Hz frequency 4dB to boost the bass effect when the switch is set to ON.
- **Power switch:** it is used to turn on/off the AC power supply.



## Operation

### Subwoofer connection:

If your DVD player, home cinema amplifier, preamplifier or decoder has line output connector, use the line in connector of the subwoofer power amplifier to input the signal. If no, use the high level input connector to input signal.

#### 1. Input signal from line in connector:

Use the audio signal cable to connect the subwoofer line in connector. If your home cinema equipment has two channel SW outputs, connect the signal cable with rear panel L/R connector of power amplifier. If it is one channel signal, connect the signal cable with the rear panel SUB connector of the power amplifier.

#### 2. Input signal from High level input connector:

Use the speaker cable to power amplifier output connector with connect the subwoofer high level input and the main speaker cabinet input post. Make L channel to L connector and right channel to R connector. Ensure the polar is right (+to +, - to -).

3. Make sure the connection is right. Connect the power cord with the power socket.

### Test the subwoofer:

Turn on your home cinema system and set it to the right operation mode. Make sure the active subwoofer output connector has signal output. Turn on the subwoofer power switch. Set the phase switch to 0 position (factory setting). Adjust the volume knob and frequency adjusting knob to 1/3 position.

Play a CD. You should hear the bass from the subwoofer.

You can also use DVD player or home cinema amplifier, or preamplifier or surround decoder to test the subwoofer. Meanwhile use this function to adjust the speaker cabinet volume of each channel.

Note: the subwoofer only operates the received bass signal, but sometimes the signal does not have bass (vocal dialogue, violin, quiet scene, etc)

### Subwoofer adjustment

After testing the system, adjust the sound to best effect via the steps below. Pay attention the sound change (especially the bass).

Play one powerful music or song. Carry out the steps below:

#### 1. Position adjustment:

Use a long speaker cable to input signal from high level input connector. Put the subwoofer to the position your want for audition. Set the volume knob to 1/3 position. Select the best place to put the subwoofer. Note: the vent tube is on the back. It is recommended to keep it 20cm away from the wall for best sound effect.

#### 2. Volume adjustment:

## Operation

Adjust the subwoofer volume is to mix the bass sound with the main speaker sound for an optimal system sound.

### 3. Phase adjustment

- Repeatedly set the phase switch from  $0^{\circ}$  to  $180^{\circ}$  to compare result.
- Set the switch to proper position for best sound effect.
- If there is no difference in the two status. Set the switch to 0 position.
- If you have changed the main speaker cabinet and subwoofer position. Adjust the phase once again.

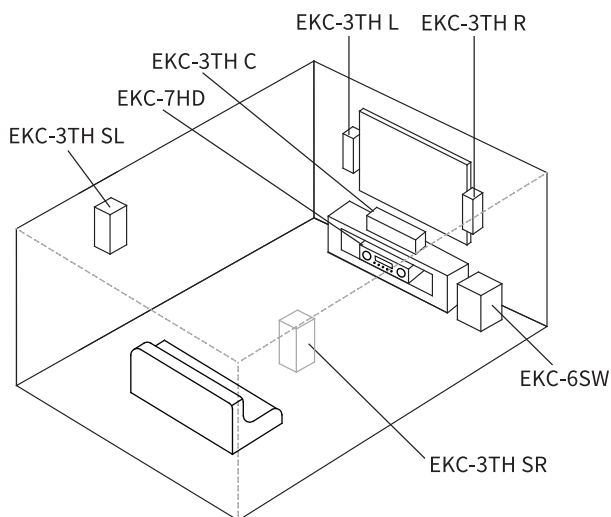
### 4. Frequency adjustment:

Adjust the frequency in the range for flat and mixed system sound.

## Trouble Shooting

| Problem                                          | Reason                                                  | Trouble shooting                                    |
|--------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------|
| No sound                                         | Power off                                               | Turn on the power switch                            |
|                                                  | Volume knob is set to minimum position                  | Increase the volume                                 |
|                                                  | No bass signal input                                    | Check the system connection or equipment setting    |
| Bass distortion                                  | The subwoofer power amplifier output reaches limitation | Decrease the bass volume or system volume           |
|                                                  | Too wide frequency range of the power amplifier         | Narrow the frequency range                          |
| Distortion or abnormal sound during wide dynamic | Wide dynamic makes the subwoofer overload               | Decrease the subwoofer volume or home cinema volume |
| Buzz noise or AC noise                           | Connection problem or system ground problem             | Refer to the user manual of home cinema equipment   |

## 5.1 Cinema/Karaoke Installation Diagram



## Caution

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

- 1.Adjust the volume to proper level during operation. Do not operate at high volume level to avoid 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.Using battery of broken insulation material is forbidden to avoid short circuit. Please do not charge the non-rechargeable battery.
- 4.Put the waste battery into classification dustbin rather than used as toy by children or discarded directly to avoid potential danger or affecting the environment.
- 5.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 destroyed.
- 6.When the product needs to be installed on wall or ceiling, please fix it tightly to avoid dropping risk.
- 7.Please abide by safety rules during operation. Do not use the product in the place prohibited by regulation or law to avoid accident.
- 8.Do not disassemble or repair the product by yourself to avoid hurt. If you have question or need service, please contact the local dealer.
- 9.The speaker of this product has strong magnetic field. Please keep it away from PC or TV more than 60cm away.
- 10.Keep this product away from the high temperature environment.
- 11.Put this product in ventilated environment.
- 12.This product should not be put in humid environment.
- 13.Before disconnecting the power cord, turn off the power switch first.
- 14.If this product will not be used for a long time, disconnect the power cord with the power socket.
- 15.The apparatus of class I structure should be connected Mains socket with a protective earthing connection.
- 16.Only use the supplied power adapter or equivalent. Make sure the power voltage is right before connection. The applicable altitude and climate condition of this product is subject to the power adaptor, the meaning of the power adaptor icons is as below:



Applicable to the altitude  
below 2000m only



Applicable to the non-tropical  
climate condition only

## 产品服务保证书

- 姓名:\_\_\_\_\_电话:\_\_\_\_\_地址:\_\_\_\_\_

商品:                      型号:                      购买日期:                      年    月    日

[illegible]

◆广东得胜电子有限公司 ◆电话: 400-6828-333 ◆地址: 广东省惠州市博罗县龙溪镇富康一路2号



此标志适应于在中国销售的电子信息产品，依据2006年2月28日公布的《电子信息产品污染控制管理办法》以及SJ/T11364—2006《电子信息产品污染控制标识要求》，表示该产品在使用完结后可再利用。数字标识的是环境保护使用期限，只要遵守与本产品有关和使用的注意事项，从制造日算起在数字所表示的年限内，产品不会产生环境污染和对人体、财产的影响。

电池等附属品和产品一同包装的，产品和附属品的环保使用期限可能不同。

产品适当使用后报废的方法请遵从点在信息产品的回收、再利用相关法令。详细请咨询各级政府主管部门。

产品中所含有毒有害物质或元素的名称及含量

| 部分名称<br>(大体分类) | 有毒有害物质或元素                                                                                                                            |         |        |            |            |              |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------|---------|--------|------------|------------|--------------|
|                | 铅 (Pb)                                                                                                                               | 水银 (Hg) | 镉 (Cd) | 六价铬 (CrVI) | 多溴联苯 (PBB) | 多溴二苯醚 (PBDE) |
| 机体 (金属部件)      | X                                                                                                                                    | O       | O      | O          | O          | O            |
| 实装基板/电器部件      | X                                                                                                                                    | O       | O      | O          | O          | O            |
| 缆线类            | X                                                                                                                                    | O       | O      | O          | O          | O            |
| 备注             | X：表示该有毒有害物质在该部件所有均材料中的含量均在SJ/T11363-2006标准规定的限量要求以下。<br>O：表示该有毒有害物质至少在该部件的某一均质材料中的含量超出SJ/T11363-2006标准规定的限量要求。<br>因为在当代技术下还没有可替代的物质。 |         |        |            |            |              |







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