

TAKSTAR® 得胜



PCM 103 | 手持电容麦克风
Handheld Condenser Microphone

使用手册 | User Manual

PCM 103 手持电容麦克风

■ 前言

尊敬的用户：

感谢您选购得胜PCM 103手持电容麦克风，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

- 手持电容麦克风，适用娱乐直播、个人录音、现场演出等场景；
- 创新3.2-52V宽电压电路设计，可直连电脑/声卡/音箱等设备；
- $\Phi 16\text{mm}$ 镀金电容音头，高灵敏、宽频响，声音清透细腻；
- 金属蜂窝网头设计，内置吸音棉，双重防护结构有效降低喷麦声；
- 本体采用锌合金材质成型，抗摔耐磨坚固耐用，手感舒适；
- 配备3米无氧铜芯卡侬线，抗干扰性能强，音质纯净稳定。

■ 适用范围

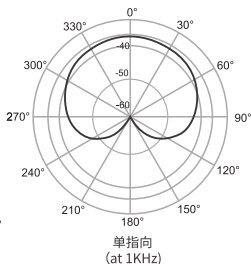
娱乐直播、个人录音、现场演出等场景

■ 标准配置

麦克风.....	1支	3米公母卡侬线.....	1条
防滑圈.....	1个	说明书.....	1份
防风棉.....	1个		

■ 技术参数

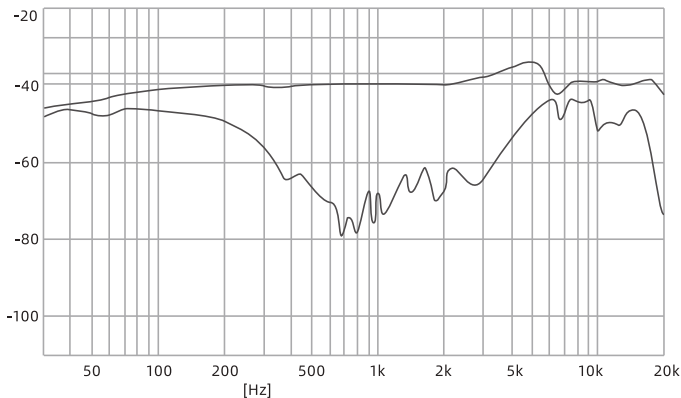
- 音头: $\Phi 16\text{MM}$ 镀金电容音头
- 指向性: 心型指向
- 频率响应: 20Hz-20KHz
- 灵敏度: $-41\text{dB} \pm 3\text{dB}$ ($0\text{dB}=1\text{V/Pa}$ at 1KHz)
- 等效噪声级: $\leq 26\text{dBA}$
- 峰值声压级: 130dB ($\text{THD} \leq 1\%$ at 1KHz)
- 输出阻抗: $110\Omega \pm 30\%$ (at 1KHz)
- 使用电压: DC 3.2V直插供电或12-52V幻象供电
- 单体重量: 约278g
- 尺寸: $\Phi 45\text{mm} \times 187\text{mm}$



注: 以上数据由得胜实验室测试得到, 并拥有最终解释权!

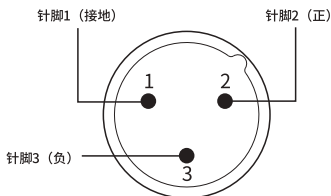
[dB/1V/Pa]

频率响应曲线



■ 功能示意

XLR接口：通过XLR卡侬线与声卡、电脑等音频设备连接。

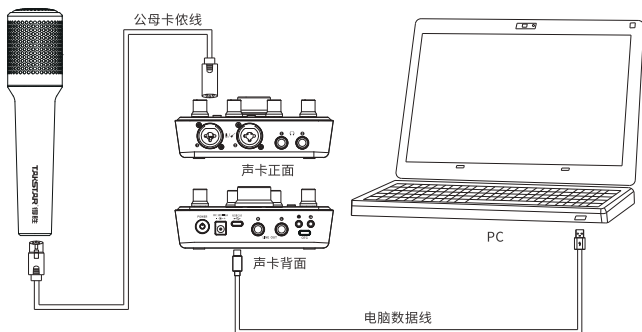


■ 使用说明

一、带48V供电的音频设备连接方法

若您的声卡设备自带48V幻象供电功能，可使用配送的公母卡侬线进行连接，具体步骤如下：

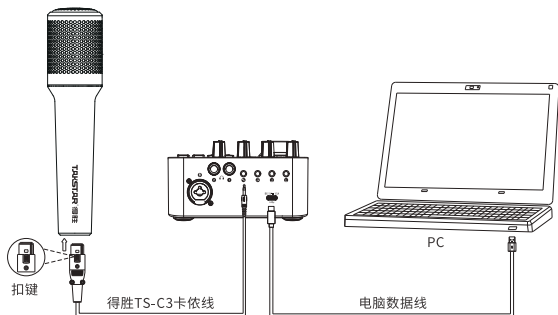
- ① 将卡侬母头端插入麦克风底部的XLR接口，直至扣键定位；
- ② 卡侬公头与声卡带有48V功能的XLR接口进行连接，并开启声卡的48V供电。



二、不带48V供电的音频设备连接方法

若您的声卡设备未配备48V幻象供电功能，则需要使用得胜TS-C3卡侬线（需另购）来完成连接。具体步骤如下：

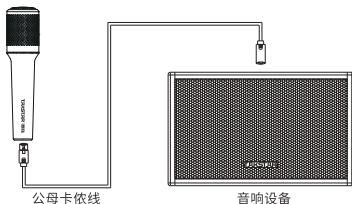
- ① 将卡侬线的卡侬母头端插入麦克风底部的XLR接口，直到扣键定位；
- ② 将卡侬线的另一端 $\Phi 3.5\text{mm}$ 插头，连接到声卡上的 $\Phi 3.5\text{mm}$ 麦克风输入接口。



三、音响设备连接说明

1. 带48V供电的音响设备连接方法

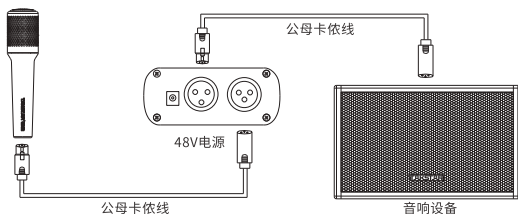
- ① 使用配送的公母卡侬线进行连接，将卡侬母头端插入麦克风底部的XLR接口，直到扣键定位；
- ② 卡侬公头与音箱上带有48V供电的XLR接口进行连接，并开启音箱的48V供电。



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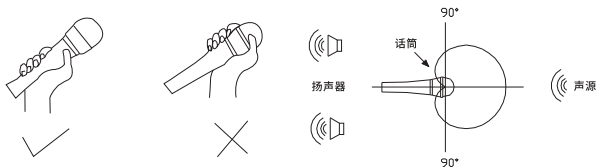
2. 不带48V供电的音响设备连接方法

- ① 使用配送的公母卡侬线进行连接，将卡侬母头端插入麦克风底部的XLR接口，直到扣键定位；
- ② 卡侬公头一端连接到48V幻象电源INPUT输入接口，如幻象电源带有48V开关，需打开48V开关；
- ③ 使用公母卡侬线将48V幻象电源与音响连接，将卡侬母头端插入48V幻象电源的OUTPUT输出接口，直到扣键定位；
- ④ 卡侬公头一端连接到音响的麦克风输入接口。



3. 建议使用时，应先将设备音量调小，再将音量从小到大调节至合适，以免声压过大对扬声器造成冲击；

4. 请勿用手握住麦克风网头部分，尽可能地拉开麦克风与扬声器的距离，避免麦克风和扬声器相对，以免影响麦克风音质及有效控制反馈啸叫。

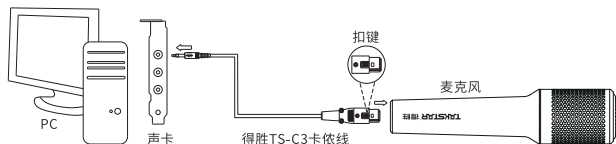


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四、电脑连接说明

1. 连接方法

使用得胜TS-C3卡侬线（需另购）进行连接。将卡侬母头端插入麦克风底部的XLR接口，直到扣键“哒”的一声定位；另一端 $\Phi 3.5\text{mm}$ 插头连接到电脑的麦克风输入接口。



2. 电脑设置

在电脑上使用PCM 103麦克风时，需将音频选项设置为“麦克风Realtek (R) Audio” 电脑系统自带的麦克风音源，以Windows10系统为例，其他版本的系统操作方法相似，此处不再赘述。

Windows10系统设置

① 鼠标右键单击任务栏右下角的扬声器图标，选择“声音”进入设置界面。



② 在“声音”设置界面选择“录制”选项，将“麦克风”设备设置为默认设备。当使用麦克风试音时，麦克风的音量指示图标呈绿色跳动，表示已正常工作。



③ 双击“麦克风”进入麦克风属性，选择“级别”选项，将录制音量调整为100%。如图所示：



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④ 在麦克风属性设置界面中选择“侦听”选项，查看“侦听此设备”根据个人需求选择勾选。如果需要侦听到麦克风声音的话，请打开勾选，如果不需要侦听的话，请取消勾选。



⑤ 在麦克风属性设置界面中选择“高级”选项，查看采样率，采样率可选择 44100 Hz、48000 Hz、96000 Hz、192000 Hz选项，可根据不同的需求设置采样率。如果您的系统没有采样率设置功能，可忽略这项设置。



⑥ 在“声音”设置界面中选择“播放”选项，从列表中选择所要输出声音的设备，并设置为默认设备。如图所示：



⑦ 双击对应的设备音源，进入播放属性，选择“级别”选项，将播放音量调整为适当的音量，建议调整到100%的音量。如图所示：



■ 安全警示

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. 使用产品时请确认所连设备与本产品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；
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，然后将产品送售后服务网点检修；
3. 本产品及配件都应放置在室内干燥通风处，请勿长期存放在潮湿、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产品，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售后服务网点跟进处理。

■ 环保说明

产品中有毒有害物质或元素的名称及含量标识表

部件名称	有毒有害物质或元素					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
塑料部件	○	○	○	○	○	○
金属部件	×	○	○	○	○	○
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。

×：表示该有害物质至少在该部件的某一均质材料中的含量超出GB/T 26572规定的限量要求。

此标志为产品的环保使用期限标志，

且此环保使用期限只适用于产品正常工作的温度和湿度等条件。



■ 关于图标含义解释



根据RL2004/108/EG和European Low Voltage Directive (欧洲低压指令) RL2006/95/EG的测试结果表明, 本产品符合欧共体关于电磁兼容性的成员国法律整合的指令中所规定的限值。



未经合规方明确批准的变更或修改可能会使用户失去操作设备的权限。

此设备符合FCC规则第15条部分的要求。操作须符合以下两个条件:

- (1) 此设备可能不会造成有害干扰,
- (2) 此设备必须接受接收到的任何干扰, 包括可能导致意外操作的干扰。



此符号表示, 根据WEEE指令(2012/19/EU)和国家法律, 由于这种类型的废弃物会有潜在的有害物质, 可能对环境 and 人类健康产生负面影响,

所以本产品不应与您的家庭垃圾一起处置, 应将本产品交由授权的电气和电子设备 (WEEE) 回收站回收。同时, 您在正确处理本产品的同时将有助于自然资源的有效利用。如需了解更多有关您可以在何处放置废物回收设备的信息, 请联系您当地的城市办事处、废物管理局或家庭废物处理服务部门。

■ 关于本说明书

本说明书中内容符合截止印刷之日的技术规格。由于得胜公司会不断改进产品, 本说明书可能不符合您的特定产品的技术规格。要获取最新版说明书, 请访问得胜官网, 然后下载说明书文件。技术规格、设备或另售的附件在各个地区可能有所不同, 如有问题请与当地得胜销售网点确认。如需更多支持和深层产品信息, 请浏览得胜官方网站: <https://www.takstar.com>

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■ Preface

Dear Customer,

Thanks for purchasing our product. Read this manual thoroughly for proper use.

If you have any questions or suggestions, please contact our local sales service.

■ Features

- Ideal for entertainment live streaming, personal recording, and live performances.
- Wide voltage design (3.2-52V) for direct connection to computers, audio interfaces, and speakers.
- Ø16mm gold-plated condenser capsule for wide frequency response, sensitive, clear, and detailed sound.
- Metal honeycomb grille with sound-absorbing foam inside to effectively reduce plosives.
- Zinc alloy construction, sturdy, drop-resistant, durable, and comfortable to grip.
- Includes a 3m oxygen-free copper XLR cable for anti-interference, pure, stable sound quality.

■ Applications

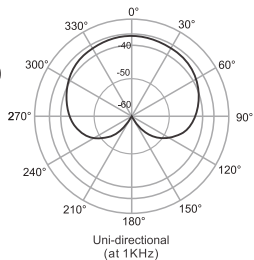
Entertainment live streaming, personal recording, and live performances.

■ Package Contents

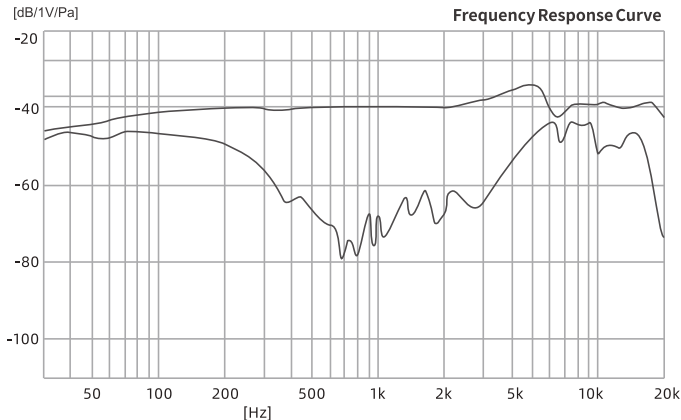
- | | | |
|----------------|----------------------|--------------------|
| 1 × Microphone | 1 × 3m M/F XLR Cable | 1 × Anti-Roll Ring |
| 1 × Windscreen | 1 × User Manual | |

■ Specifications

- Capsule: Ø16mm gold-plated condenser
- Polar Pattern: Cardioid
- Frequency Response: 20Hz - 20KHz
- Sensitivity: $-41\text{dB} \pm 3\text{dB}$ ($0\text{dB}=1\text{V/Pa}$ at 1KHz)
- Equivalent Noise Level: $\leq 26\text{dBA}$
- Max SPL: 130dB (THD $\leq 1\%$ at 1KHz)
- Output Impedance: $110\Omega \pm 30\%$ (at 1KHz)
- Operating Voltage: Supports DC 3.2V via plug-in power or 12-52V phantom power.
- Weight: Approx. 278g
- Dimensions: Ø45mm*187mm

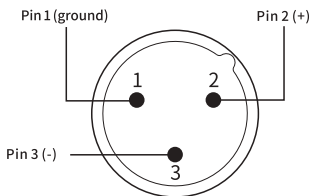


Note: The above data are measured by Takstar laboratory which has the final interpretation right!



■ Function Descriptions

XLR Interface: Connect to audio devices such as audio interfaces and computers using an XLR audio cable.

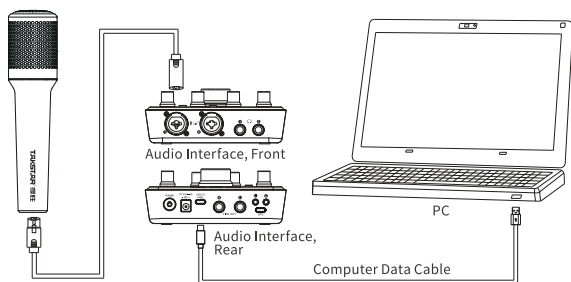


■ Operating Instructions

A. Connecting to Audio Devices With 48V Phantom Power

Use the supplied M/F XLR cable if your audio interface supports 48V phantom power.

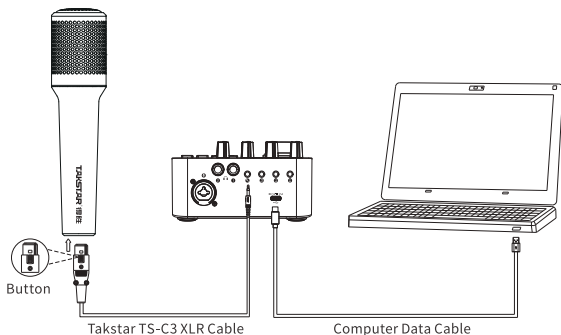
- ① Insert the female XLR connector into the mic's XLR port until it clicks.
- ② Connect the male XLR connector to the audio interface's XLR input with 48V power, and activate the 48V phantom power on the audio interface.



B. Connecting to Audio Devices Without 48V Phantom Power

Use a Takstar TS-C3 XLR cable (sold separately) for connection if your audio interface does not provide 48V phantom power. Follow these steps:

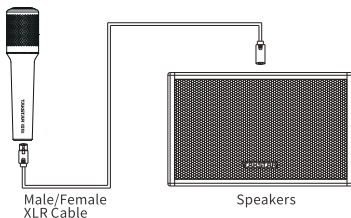
- ① Insert the female XLR connector into the mic's XLR port until it clicks.
- ② Connect the 3.5mm plug to the 3.5mm mic input on the audio interface.



C. Speaker Connection Instructions

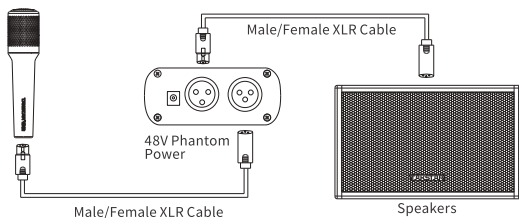
1. Connecting Speaker with 48V Power Supply

- ① Connect the provided XLR male-to-female cable, insert the female end into the mic's XLR interface until it clicks.
- ② Connect the male end to the speaker's 48V XLR input and activate the speaker's 48V power supply.



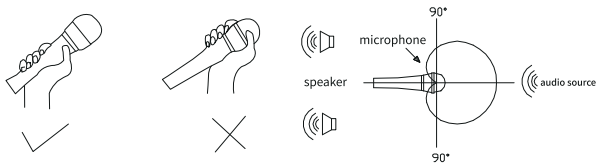
2. Connecting Speaker without 48V Power Supply

- ① Connect the provided XLR male-to-female cable, insert the female end into the mic's XLR interface until it clicks.
- ② Connect the male end to the INPUT of the 48V phantom power supply. If present, turn on the 48V switch.
- ③ Use a male-to-female XLR cable to connect the OUTPUT of the phantom power supply to the speaker. Insert the female end until it clicks.
- ④ Connect the male end to the mic input on the speaker.



3. Start with a low volume and gradually increase to avoid damaging the speaker from excessive sound pressure.

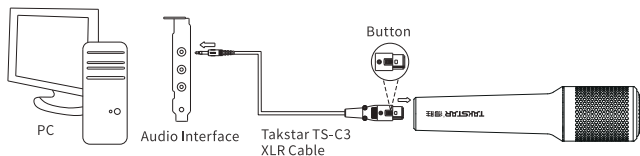
4. Do not grip the mic by the mesh head. Maintain distance between the mic and speaker, and avoid direct alignment to reduce feedback and ensure sound quality.



D. Connecting to a Computer

1. Connection

Use a Takstar TS-C3 XLR cable (sold separately) for connection. Insert the female XLR connector into the mic's XLR port until it clicks. And connect the 3.5mm plug to the computer's mic input.

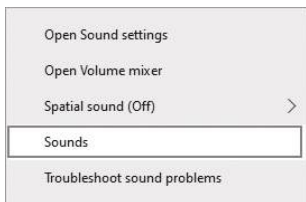


2. Computer Settings

To use PCM 103 mic on computer, set the audio option to "Microphone Realtek® Audio". Below instructions are for Windows 10, but other systems are similar.

Windows 10 Settings:

① Right-click the speaker icon in the taskbar, select "Sound" to access settings.



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② In the "Sound" settings, select "Recording" tab and set "Microphone" as the default device. Ensure the mic's volume indicator fluctuates green during use.



③ Double-click "Microphone" to access properties. Under "Levels" tab, set the recording volume to 100%.



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- ④ In the properties window, select "Listen" tab. Check "Listen to this device" if you want to hear the mic output; uncheck if not.



- ⑤ In "Advanced" tab, select the sample rate (options: 44100 Hz, 48000 Hz, 96000 Hz, 192000 Hz) based on your needs. If unavailable, ignore this step.



⑥ In "Sound" settings, select "Playback" tab, choose the desired output device, and set it as the default.



⑦ Double-click the output device, go to "Levels" tab and set playback volume to an appropriate level, preferably 100%.



■ Safety Instructions

To avoid electric shock, overheat, fire, radiation, explosion, mechanical risk and injury or property loss due to improper use, please read and observe the following items before use:

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 extended time to avoid product malfunction.
2. If there is any abnormality during use (e.g., smoke, strange odor), please kill the power switch and unplug from power source, then send the product to the local after-sales service outlet for repair.
3. Keep this product and its accessories in a dry and ventilated area. Do not store in a humid or dusty area for extended time. Keep away from fire, rain, liquid intrusion, bumping, throwing, vibrating, or from blocking any ventilation openings, to prevent malfunction.
4. The product must, when installed on walls or ceilings, be fixed firmly in place at adequate strength to prevent from falling.
5. Please abide by safety rules during operation. Do not use the product in places prohibited by laws or regulations to avoid accident.
6. Do not disassemble or repair the product by yourself to avoid injury. If you have any questions or require any services, please contact our local after-sales service outlet.

■ Label Meanings

 This device is compliant with the limits of the European Council Directive on the approximation of the laws of the member states relating to electromagnetic compatibility according to RL2004/108/EG and European Low Voltage Directive RL2006/95/EG.

 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 to 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 complying party may cause the user to lose permission to operate the device. 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.



This symbol indicates that this product should not be disposed of with your household waste, according to the WEEE directive (2012/19/EU) and your national law. This product should be handed over to an authorized collection site for recycling waste electrical and electronic equipment (WEEE). Improper handling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with WEEE. At the same time, your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, waste authority, or your household waste disposal service.

■ About This Manual

This manual contains up-to-date technical specifications as of printing. However, specifications contained herein may not conform to your particular product since Takstar is constantly improving its products. Also, specifications, devices or accessories available may vary from region to region. If you have any questions, please contact our local sales outlet. For the latest version/more information, please visit our website: <https://www.takstar.com/>

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注意事项:

1. 本单为保修凭证, 请用户妥善保管, 如有遗失, 恕不保修或退换。
2. 保修期限制: 购买之日起 2 年内。
3. 除了不可抗力事件损坏外, 由本公司负责, 免费维修。
4. 如属保管不善或使用不当造成的损坏, 维修点将酌情收费。
5. 擅自拆卸维修者, 不予保修。
6. 以上保修条款仅限于中国市场适用 (不含港澳台地区)。

产品服务保证书

姓名: _____ 电话: _____ 地址: _____
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

◆ 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街道富康一路2号



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