

广东省电声工程技术研究开发中心
广东得胜电子有限公司制造

产品名称: PH-100 智能手机专用麦克风
公司名称: 广东得胜电子有限公司
地址: 广东省惠州市博罗县龙溪镇龙桥大道
电话: +86 752 6383956 传真: +86 752 6383950
邮箱: xs@takstar.com 邮编: 512161
网址: www.takstar.com

Designed & Manufactured by:
Guangdong Takstar Electronic Co., Ltd.
Address: Longqiao Road, Longxi Boluo
Huizhou Guangdong, 516121, China
International Sales: Tel: +86 752 6383644
Email: sales@takstar.com
Website: www.takstar.com

得胜科声系列中国总代理:

惠州音平电声科技股份有限公司
HUIZHOU INGPING ELECTROSONIC CO., LTD
地址: 惠州市惠城区江北26号小区盛丰商务大厦1111
电话: +86 752 2072638 传真: +86 752 7213017
邮箱: ingping@ingping.com
网址: www.ingping.com



TAKSTAR® 得勝



精灵系列智能手机专用麦克风

**SMART PHONE
MICROPHONE**

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尊敬的用户：

感谢您选择TAKSTAR PH-100移动式麦克风，此麦克风针对智能手机和平板电脑而开发，声音清晰、饱满、圆润，具有两种灵敏度可选，自带混响，兼容iPhone、iPad、安卓手机、智能终端等，也可以兼容台式及笔记本电脑，即插即用、方便携带，随时随地都可以轻松高歌一曲

白精灵、红精灵、黄精灵、黑精灵四色四种颜色以供选择，多彩的颜色随心与您的手机搭配，更显个性魅力



- 1、针对智能手机和平板电脑而开发的移动式麦克风，兼容iPhone、iPad、安卓手机、智能终端等，也可以兼容台式及笔记本电脑，即插即用，适用于移动K歌和录音
- 2、具有两种灵敏度可选，兼容IOS和安卓系统
- 3、自带混响可调，使演唱效果更丰富、更动听
- 4、具有双立体声信号输出，支持双人歌唱，或扩展另一路输出至音箱或录音设备
- 5、配置电脑K歌录音线，可连接电脑K歌或录音
- 6、内置锂电池，配置USB充电线，可循环充电使用
- 7、配置便携棉布袋，方便携带



充电线
Φ2 × 100cm × 1条



K歌录音线
Φ2.2 × 80cm × 1条



电脑K歌录音线
Φ2 × 200cm × 1条



便携棉布袋1个

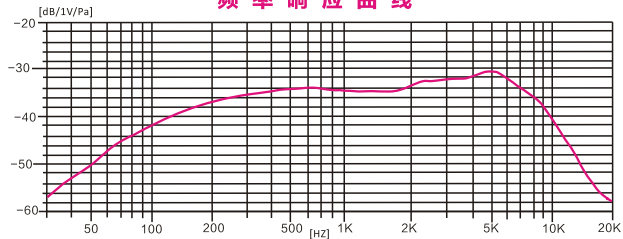


说明书1份



保修卡、合格证1份

频率响应曲线



兼容系统：安卓、IOS（苹果系统）、windows系统

音头：电容式

频率响应：30Hz-20kHz

灵敏度：-27dB at 1kHz

-17dB(+10dB) at 1kHz

混响模式：回声音效混响

最大声压级： $\geq 128\text{dB}$ 1kHz
(THD $\leq 1\%$)

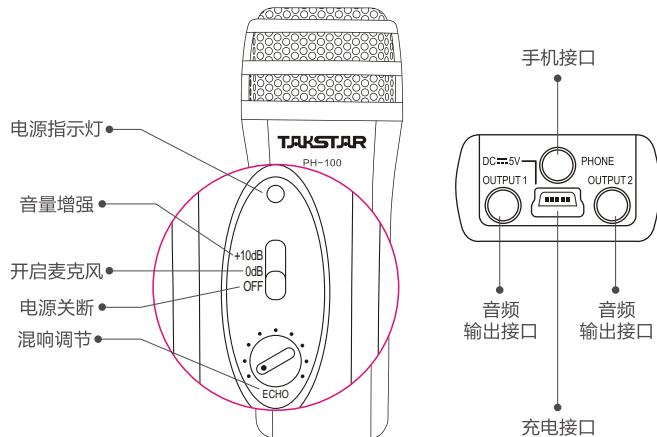
供电方式：聚合物锂离子电池

电池容量：250mAh

充电电源：DC 5V/200mA

充电时间：2小时

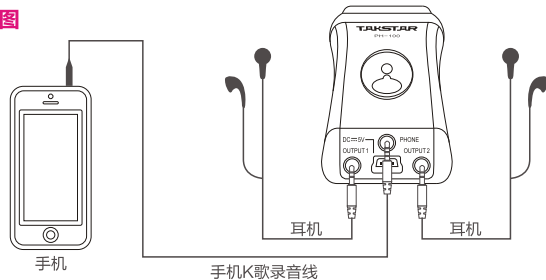
使用时间：6小时以上



应用软件下载:

- 1、在手机APP软件市场下载“唱吧”、“天籁K歌”或“K歌达人”等应用软件
- 2、也可以通过网页浏览下载，搜索应用软件名称，注意识别手机系统，对应下载

手机连接图



注：分别接两个耳机到OUTPUT1及OUTPUT2接口，就可以实现双人K歌了

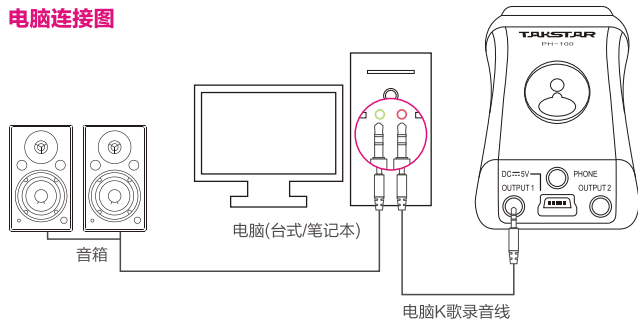
手机K歌/录歌（安卓或苹果系统通用方法）：

- 1、将手机K歌录音线插入PH-100麦克风印有PHONE的手机接口，另一端插入手机的耳机接口
- 2、将耳机插入PH-100麦克风的OUTPUT1或OUTPUT2音频输出接口
提示：选择耳机时，若选择手机配置的带有线麦克风的耳机，可能存在不兼容的情况
- 3、设备连接好后，打开“K歌”软件，再开启麦克风开关，推至0dB或+10dB为麦克风开启状态，此时，电源指示灯点亮，表示已进入工作状态
提示：0dB为正常拾音灵敏度，+10dB为拾音灵敏度提高了10dB补偿，用户根据使用情况需要选择。为了用户能更快捷的使用本产品，苹果IOS系统推荐使用0dB档，安卓系统推荐使用+10dB档，从而获取更好的效果
- 4、ECHO混响功能使用，将混响调节旋钮顺时针转动，混响效果增强，反之，减弱至关闭
提示：应用K歌软件也提供有麦克风混响功能，若已经打开了PH-100的ECHO混响效果，那么，必须将K歌软件的混响功能关闭，从而获得更好的效果

软件下载安装:

在电脑浏览器页面或下载工具软件搜索“酷我K歌”、“MVBOX”等K歌软件并下载安装到电脑上

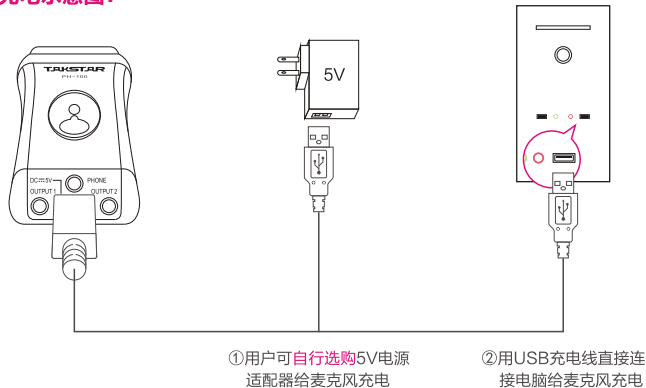
电脑连接图



电脑K歌/录歌（各版本通用方法）：

- 1、将电脑K歌录音线一端插入PH-100麦克风的OUTPUT1或OUTPUT2音频输出接口，另一端插入电脑的麦克风接口，然后，将麦克风的电源开关推至0dB或10dB，此时电源指示灯点亮，表示麦克风已进入工作状态
提示：0dB为正常拾音灵敏度，+10dB为拾音灵敏度提高了10dB补偿，用户可根据使用情况选择
- 2、将耳机或音箱的插头插入电脑的耳机接口
- 3、进行电脑音频设置——打开麦克风监听功能，这样PH-100麦克风的聲音就可以从耳机或音箱出来了

充电示意图：



- 1、可选用输出为DC 5V的适配器给PH-100麦克风充电
- 2、也可选用电脑给PH-100麦克风充电，但要确保计算机是开机状态
- 3、如果把开关拨在“0dB”或“+10dB”的位置时，麦克风指示灯不亮的话，说明麦克风没电了，需要充电
- 4、充电前，请把开关拨在OFF位置，再连好充电线充电，充电时指示灯亮红灯，表示正在充电中，充满电后，指示灯会熄灭，充电一般需2小时左右即可，可以连续K歌6小时以上
- 5、第一次使用建议先充满电再使用，即充到电源指示灯熄灭为止
- 6、如果电源指示灯亮双色的话表示电池电量很低，需要及时充电

- 1、请勿将麦克风从高处落下或强烈冲击，以免造成跌落损坏
- 2、麦克风不使用时，应存放在干燥清洁的地方
- 3、请勿在高温、高湿的场所保存或使用，以免影响灵敏度和音色
- 4、如麦克风出现其它异常现象，请联系当地的经销商或拨打广东得胜电子有限公司售后服务部电话进行维修

故障现象	故障原因	排除方法
电源指示灯不亮	电源未打开或电池无电	①将开关拨到0dB至+10dB, 看绿色灯是否亮起 ②为麦克风充电
麦克风没声	麦克风音量未调大	调节麦克风音量
	电脑声卡麦克风静音钩没去掉	把麦克风静音钩去掉
	用了iPhone5配的耳麦	改用普通耳机，不要用手机耳麦
麦克风没混响	混响音量未调大	调节麦克风混响音量
监听到的声音与录出来的声音音量大小有差异	不同录音软件在采集声音信号强弱上有差异	录制完成后，在录音软件里调整伴奏与麦克风的音量到协调为止

有毒或有害物质或元素名称及含量标识

部分名称	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)
塑胶壳	X	○	○	○	X	○
外壳喷涂	X	○	○	○	○	X
PCB本体	X	○	○	○	○	○
五金配件	X	○	○	X	○	○
电子元器件	X	○	○	○	○	X
包装配料	X	○	○	○	X	○

○：表示该有毒有害物质在该部件所有均质材料中含量均在SJ/T11363-2006标准规定的限量要求下
 X：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
 注：本产品80%部件采用无毒无害的环保材料制造，含有有毒有害物质或元素的部件皆因全球技术水平限制而无法实现有毒有害物质或元素替代

本公司保留对产品不断创新的权力，如有更改恕不另行通知

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Dear Users:

Thank you for choosing TAKSTAR PH-100 portable microphone, this microphone is specially designed for smart phone and tablet PC. The microphone features clear, mellow and full sound performance, with 2 optional sensitivity and built-in reverberation effect, it is compatible with iPhone, iPad, Android phones, smart terminal, desktop computer and notebook. Plug and Play, the portable and convenient design is ideal for karaoke anytime and anywhere.

4 optional colors: white, red, yellow, black. Multiple colors perfectly matches with your mobile phone to show your personality



1. An external handheld microphone specially designed for smart mobile phone and tablet computer, suitable for mobile karaoke and recording
2. 2 optional sensitivity, compatible with IOS and Android system
3. Built-in microphone reverberation processing circuit to achieve more brilliant and vivid performance effect
4. Dual stereo signal output supports duet, or extend another output to the speaker or recording device
5. Provided with computer audio connecting cable for computer network karaoke or recording
6. Provided with portable bag for convenient storage and carrying



Charging cable
Φ2 x100cm x 1pc



Karaoke recording cable
Φ2.2 x 80cm x 1pc



Computer Karaoke
recording cable
Φ2x200cm x 1pc

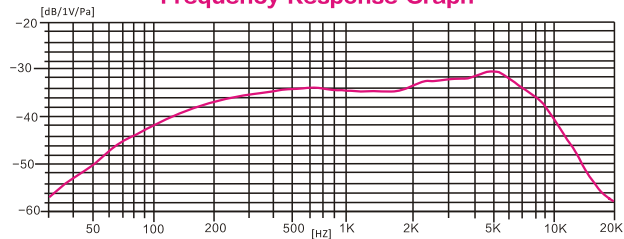


Portable cotton bag x 1pc



User manual x 1pc

Frequency Response Graph



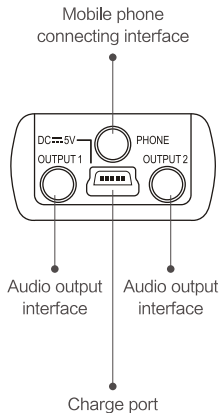
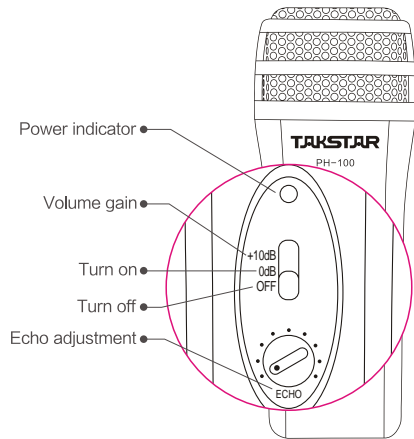
Compatible System: Android, IOS (Apple system), Windows

Element: Back electret condenser
Frequency Response: 30Hz-20kHz
Sensitivity: -27dB at 1kHz -17dB(+10dB) at 1kHz

Reverberation: Echo sound reverberation

Max. Input SPL: ≥ 128dB 1kHz (THD ≤ 1%)

Power Supply: Li-polymer Battery
Battery Capacity: 250mAh
Charging Power Supply: DC 5V/200mA
Charging Time: 2hrs
Playtime: ≥ 6hrs

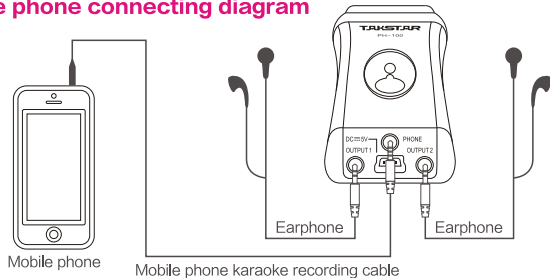


1. Do not drop the microphone from a high place or with strong shock to avoid damage to the microphone
2. Please keep and store the microphone in dry/clean place when it is not used
3. Please do not use and store the microphone in the high temperature/humidity environment to avoid impact on the timbre and sensitivity
4. If there is a failure on the microphone, please contact your local dealer for after service

Application Software Download:

1. Download the application software from the mobile phone APP software market
2. Or search the application software on the website and download it, identify the mobile phone system and download correspondingly

Mobile phone connecting diagram



Note: Connect 2 earphones respectively to OUTPUT1 and OUTPUT2 ports for 2 persons karaoke simultaneously

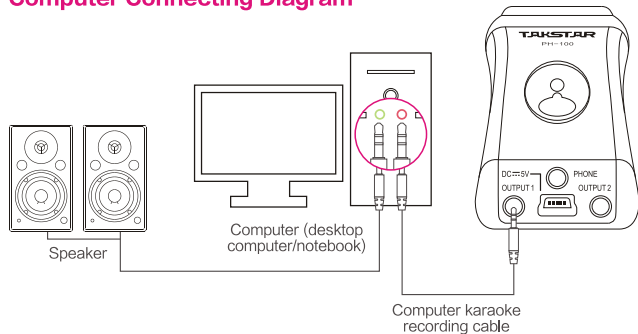
Mobile phone karaoke/recording (General method for Android and Apple system):

1. Connect the karaoke recording cable of mobile phone to the connecting port marked with "PHONE" on the microphone PH-100, connect the other end of the karaoke recording cable to the earphone connecting port of mobile phone
2. Connect the earphone to OUTPUT1 or OUTPUT2 audio output port of microphone PH-100
Note: It may be incompatible, if you choose the earphone with in-line microphone which is supplied along with the mobile phone
3. After the mobile phone is well connected with the microphone, start the "karaoke" software, then push the button to 0dB or +10dB for turning on the microphone, the power indicator lights up and enters into working status
Note: 0dB is standard pickup sensitivity, +10dB is 10dB sensitivity gain for pickup, please choose it according to your actual requirement. It is recommended to use 0dB for Apple IOS and +10dB for Android system to achieve best working performance
4. Operating instruction of ECHO effect: clockwise rotate the Echo knob, Echo effect is enhanced, conversely, Echo effect is attenuated till off
Note: Application karaoke software also provides function of microphone Echo, if the ECHO effect of the microphone PH-100 is turned on, then please turn it off for the karaoke software to achieve the best working performance

Software Download and Installation:

Searching the karaoke software from the internet browser page or by downloading the software tools, then download it and install on your computer

Computer Connecting Diagram



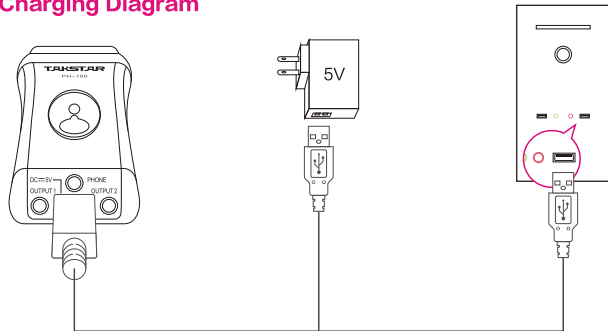
Computer karaoke/recording (General method for different systems)

1. Connect the computer karaoke recording cable to OUTPUT1 or OUTPUT2 audio output port of microphone PH-100, connect the other end to the microphone input port of computer, push the button to 0dB or +10dB for turning on the microphone, the power indicator lights up and enters into working status

Note: 0dB is standard pickup sensitivity, +10dB is 10dB sensitivity gain for pickup, please choose it according to your actual requirement

2. Plug the connector of earphone or the speaker into the earphone socket of the computer
3. Audio setting for computer: turn on the microphone monitor function, the sound of microphone PH-100 can be heard from earphone or speaker

Charging Diagram



① User can choose 5V power adapter for microphone charging

② Connect the USB charging cable to computer for recharging directly

1. Choose the power adapter with output DC 5V for microphone PH-100 recharging
2. Or recharge the microphone with computer (computer must be turned on)
3. When the power button is pushed to position 0dB or +10dB, if the power indicator does not light, it means the microphone is run out of power and need recharging timely
4. Please push the power button to OFF position before charging, then connect the charging cable well for recharge, the indicator turns red when charging. After it is fully charged, the indicator will turn off automatically. Fully charging time is 2 hours and playtime is more than 6 hours
5. Please fully charge prior to the first time use, that is to say keep on charging till the indicator turns off automatically prior to the first time use of it
6. If the power indicator turns into bi-colored, it means the battery power is low and need recharging timely

Malfunction	Cause	Solution
Power indicator does not light	Power is not turned on or run out of battery	1. Push the button to position 0dB ~ +10dB to see whether the indicator turns into green 2. Recharge for the microphone
Microphone has no sound	Microphone volume does not turn up	Adjust the microphone volume
	Do not remove the tick for the microphone mute of the computer sound card	Remove the microphone mute tick from the computer sound card
	The headset specialized for iPhone5 is used	Change to normal headset, do not use mobile phone headset
Microphone has no Echo	Echo volume does not turn up	Adjust the microphone Echo volume
There is volume difference between the monitoring and the recording	Different recording software is with different sound signal strength pickup capability	After the recording is finished, adjust the microphone volume and the accompaniment volume in the recording software to an appropriate level