

TAKSTAR® 得勝



HA 101

便携式耳放

PORTABLE HEADSET AMPLIFIER

■ 前言

尊敬的用户：

感谢您选购得胜HA 101便携式耳放，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。



■ 产品简介

HA 101是一款便携式耳机功率放大器，内置专业级音频运放芯片及高音质部件，可连接各种音频播放器及手机对其音频信号进行处理、放大，输出可驱动各类耳机。从而起到提升功率，改善音质的作用。

■ 产品特性

- 1、采用专业音频运放，压摆率高，失真小，还原真实声音；
- 2、大功率输出，强劲推动力，轻松驱动各种阻抗的耳机；
- 3、具有低频增益开关，提供更加温暖细腻、醇厚结实低音表现；
- 4、优化设计的模拟电路，有效减少本底噪声；
- 5、通过高保真芯片进行音质补偿，大幅增强音频密度、声场及动态范围；
- 6、内置大容量锂电池，续航能力强，可连续使用12小时以上；
- 7、铝合金外壳，阳极氧化处理，细腻的磨砂工艺，经久耐用；
- 8、体积小巧，配置绒布袋，携带方便。

■ 标准配置

HA 101主机	1只	长捆绑带.....	2个
音频线 (Φ3mm*1.2m)	1条	短捆绑带.....	2个
Micro USB电源线.....	1条	防滑垫.....	1张
绒布袋.....	1个	说明书.....	1份

■ 适用范围

音乐鉴赏

■ 技术参数

主机参数

频率响应: 20Hz-50KHz (-1dB)	总谐波失真: <0.005%
动态范围: 110dB (THD≤1% 1KHz RL: 16Ω)	(at 1KHz OUT=88mW RL16Ω)
最大输出功率: 1W (THD≤1% 1KHz RL: 16Ω)	输入阻抗: > 5KΩ
适配耳机阻抗: 16-300Ω	尺寸: 160×66×16.5mm (长*宽*高)
本底噪声: -97dBV (A加权)	净重: 180g
低频增益: 80Hz/+5dB	

电池参数

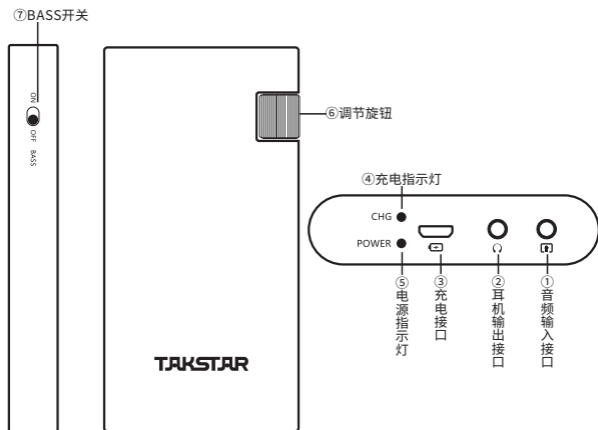
电池类型: 锂离子电池	充电时间: 约4小时 (1.5A适配器充电时)
充电方式: USB 5V (1-1.5A)	播放时长: 12小时以上 (正常音量)
电池容量: 11.1V 880mAh	待机时长: 15小时以上

接口详情

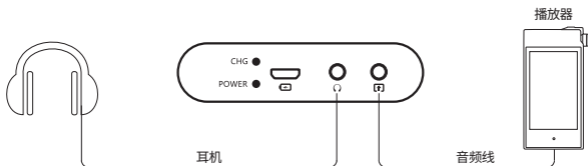
音频接口: AUX 3.5mm 立体声输入
耳机接口: 3.5mm 立体声输出
电源接口: Micro USB 充电接口

■ 功能示意

- ① 音频输入接口：通过音频线与播放设备连接；
- ② 耳机输出接口：适合3.5mm接口的耳机（带麦或不带麦的耳机都可以兼容）；
- ③ 充电接口：通过Micro USB充电线给耳放充电；
- ④ 充电指示灯：充电时，闪亮红灯；充满电时，长亮绿灯；
- ⑤ 电源指示灯：开机时，指示灯长亮绿灯；电量较低时，长亮红灯，红灯持续约45分钟后自动关机；关机时，指示灯熄灭；
- ⑥ 电源开关/音量调节旋钮：顺时针旋转旋钮出现“哒”的一声时开机，电源指示灯长亮，继续旋转音量逐渐增加；逆时针旋转音量逐渐减少，继续旋转到尽头出现“哒”的一声时关机，电源指示灯熄灭；
- ⑦ BASS开关：ON(低音提升)，OFF (直通模式)。

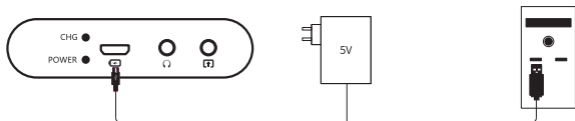


■ 使用方法



1. 将耳机连接到耳放的耳机接口；
2. 通过音频线将音乐播放器、手机、MP3等播放设备的输出接口与耳放的音频输入接口连接；
3. 开启电源，音量从小到大逐渐调整到合适。

■ 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，说明耳放没电；电源指示灯长亮红灯，说明耳放电量不足，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1.5A的情况下，约4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；如长时间不用，要每半年给耳放充一次电，避免电池过放，对电池性能产生影响。

■ 故障处理

1. 开机指示灯不亮，确定耳放是否有足够电量，可尝试对耳放进行充电后再试；
2. 没有声音输出，或者声音有噪声，请检查音频输入或耳机输出接口是否完全插入，或者是否接反；检查播放设备音量是否调得过小，适当调整音量后再试；
3. 当 BASS = ON 时，耳机输出会有轻微底噪，这是正常现象。

■ 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. 当您正在使用耳机时，会因此听不清外界环境声音，为了您的人身安全，请避免在危险的环境中使用耳机；
3. 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；
4. 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、振动及覆盖通风孔，以免损坏其功能；
5. 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；
6. 使用本产品时需遵守相关安全规定，法律法规明确禁止的使用场合请勿使用本机，以免导致意外事故；
7. 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；
8. 本产品适用的海拔及气候条件由选用的充电适配器决定。

环保说明



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 (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)	×	○	○	○	○	○
实装基板 电器部件	×	○	○	○	○	○
缆线类	×	○	○	○	○	○
备注 ×：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。 ○：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/11363-2006标准规定的限量要求。 因为在当代技术下还没有可替代的物质。						

■ Preface

Dear Customer,

Thank you for purchasing Takstar HA101 portable headset amplifier. 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.

■ Introduction

HA 101 is a portable headset amplifier which features professional audio operational amplifier chip and premium components. It processes and amplifies the audio signal from various connected audio players or cell phones, and outputs the signal to drive the headset, thus to improve the efficiency and promote audio quality.

■ Features

1. Professional audio operational amplifier, high slew rate, low distortion to reproduce original sound
2. High power output, sufficient headroom to easily drive headsets of various impedances
3. Bass gain switch provides more warm and powerful bass
4. Optimized analogue circuit design effectively decreases residual noise
5. Hi-Fi chip for audio compensation, and greatly boosting audio density and sound field and dynamic range
6. High capacity Li-ion battery lasts for more than 12h operation continuously
7. Al housing, anodic oxidation processing, exquisite dull polish, durable
8. Compact design, velvet fabric bag for convenient carrying

■ Product Content

HA 101 headset amplifier	1pc	Long cable tie	2pcs
Audio cable (Φ 3mm*1.2m)	1pc	Short cable tie	2pcs
Micro USB power cord	1pc	Antiskidding pad	1pc
Velvet fabric bag	1pc	User manual	1pc

■ Application

Music appreciation

■ Specification

Headset Amplifier Specification

Frequency Response: 20Hz-50KHz (-1dB)
Dynamic Range: 110dB (THD \leq 1% 1KHz RL: 16 Ω)
Max Output Power: 1W (THD \leq 1% 1KHz RL: 16 Ω)
Suitable Headset Impedance: 16-300 Ω
Residual Noise: -97dBV (A weighted)
Bass Gain: 80Hz+5dB
THD: <0.005% (at 1KHz OUT=88mW RL16 Ω)
Input Impedance: > 5K Ω
Dimension: 160 \times 66 \times 16.5mm (L*W*H)
Net Weight: 180g

Connector Specification

Audio Connector: AUX 3.5mm stereo input
Headset Connector: 3.5mm stereo output
Power Supply Connector: Micro USB interface

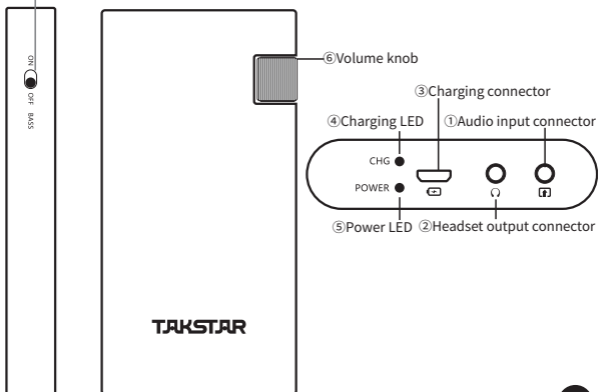
Battery Specification

Battery Type: Li-ion battery
Recharging: USB 5V (1-1.5A)
Battery Capacity: 11.1V 880mAh
Recharging Time: approx 4h
(1.5A adapter)
Operation Time: more than 12h
(at normal volume)
Standby Time: more than 15h

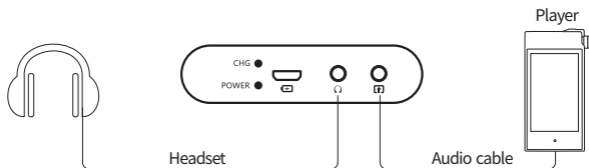
■ Function Instruction

- ① Audio input connector: it connects with player equipment via audio cable.
- ② Headset output connector: it suits for connecting with headset of 3.5mm connector (compatible with headset with or without microphone)
- ③ Charging connector: it charge the headset amplifier via Micro USB charging cable.
- ④ Charging LED: during charging, it lights up red. After charging, it keeps lighting up green.
- ⑤ Power LED: after turning on the amplifier, this LED keeps lighting up green. It keeps lighting up red during low power voltage. After lighting up for 45 minutes, the amplifier turns off automatically and the LED lights off.
- ⑥ Power switch/volume knob: turn it clockwise. When you hear the sound DA, the headset amplifier turns on and power LED lights up. Continue to turn knob clockwise to increase volume. Turn knob counterclockwise to decrease volume. Continue to turn it fully. You hear the sound DA. The headset amplifier turns off and power LED lights off.
- ⑦ BASS switch: ON(boost the bass), OFF (bypass mode).

⑦ BASS switch

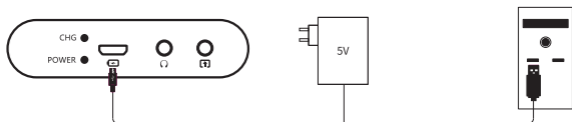


■ Operation



1. Connect the headset with the headset connector of amplifier
2. Use the audio cable to connect the output connector of player equipment, e.g. music player, cell phone, MP3, etc, with the audio input connector of headset amplifier.
3. Turn on the headset amplifier, and adjust the volume to a proper level.

■ Charging Instruction



1. It can connect with power bank, PC USB or power adapter for charging.
Note: power adapter specification: DC 5V/1A; 5V/1.5A; 5V/2A;
2. If the headset amplifier is turned on, the power LED does not light up. This means the headset amplifier has no power. If the power LED keeps lighting up red, this means the headset has low power. Please recharge in time.
3. During charging, if LED flashes red, this means it is being charged. After being charged fully, LED keeps lighting up green. If 5V 1.5A power supply is used, it takes about 4 hours to charge fully. After charging fully, stop it to avoid over-charging.
Note: for the first time operation, it is recommended to charge fully first. If the headset amplifier will not be used for a long time, please charge it once every half year to avoid over-discharging and battery damage.

■ Trouble Shooting

- 1.If the LED does not light up after being turned on, this means insufficient power. Please recharge the amplifier and try again.
- 2.If there is no sound output or the sound has noise, please check if the audio input connector or the headphone output connector has been connected fully or reversely, or check if the playing equipment volume is too low.
- 3.When the BASS switch is set to ON, the headphone output has a little residual noise. This is a normal phenomenon.

■ Caution

1. Adjust the volume to proper level during operation. Do not operate at high volume level to avoid hearing loss.
2. When you are hearing the headphone, you can not hear the sound from outside. Do not use the headphone in dangerous environment for your safety.
3. 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.
4. 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.
5. When the product needs to be installed on wall or ceiling, please fix it tightly to avoid dropping risk.
6. Please abide by safety rules during operation. Do not use the product in the place prohibited by regulation or law to avoid accident.
7. Do not disassemble or repair the product by yourself to avoid hurt. If you have question or need service, please contact the local dealer.
8. The applicable altitude and climate condition of this product is subject to charging adapter.

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

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：购买之日起十二个月内。
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（不包含港澳台地区）。



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