

APORO®
阿波罗



T28

防水无线扩音器

Waterproof Wireless Amplifier

Operation Manual

使用说明书

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前言 Preface

尊敬的用户：
Distinguished users:
您好！
Hello!

欢迎您使用APORO数码产品！
Welcome to use APORO digital products!

APORO数码产品将以高科技的品质和优良的服务进入您的工作和生活，您一旦拥有，就会真切地感受到它的卓越性能和优良品质，让您时刻都能享受生活的轻松愉快。
APORO digital products will enter your work and life with the quality of High-tech and excellent service. Once you have it, you will truly feel its excellent performance and excellent quality, so that you can enjoy the relaxed and pleasant life all the time.

警告：如果电池使用不当会有爆炸危险，只能用同样类型或等效类型的电池来更换！
Warning: If the battery is not used properly there is a risk of explosion, it can only be replaced with the same type or equivalent type of battery to replace!

注意

Be careful

本手册描述的产品及其附件的某些特征和功能，仅供参考。

Some of the features and functions of the product and its accessories described in this manual are for reference only.

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无担保声明

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To export, re-export, or import the products described in this product manual, you should comply with the applicable import and export control laws and regulations.

UHF无线版麦克风使用说明

- 1、无线麦出厂已默认配对成功，开机自动连接可以直接使用。如果不能自动匹配，请按步骤3操作配对。
- 2、无线麦按键功能：M V+/CH+ V-/CH-
M键：短按M键切换频点和音量模式.进入当前模式显示V为音量模式,再按+/-进行调整音量,最高9级，显示C 为频点调整模式，再按+/-进行频点调整，5秒无任何操作显示进入省电关闭，触碰按键后唤醒。
- 3、ID配对方式：长按M键8-12秒后进入ID设置，显示屏中间会有显示交替闪烁提示正在ID设置中，无线麦显示交替闪烁后需要关闭扩音器主机从新开机进行配对新的ID，配对成功蓝灯主机显示屏UHF停止闪烁。
- 4、无线麦电量显示及低电提示/充电指示：每次开机显示100 b75 b50 b25 b10 每个级别对应当前电量提示，如开机显示b10是已经进入低电模式显示屏循环闪烁是提示低电要进入关机状态。充电过程中，无线麦按键中间位置亮红灯充满后红灯熄灭。

*本页介绍仅适用于UHF无线版机器，并不代表所有机器都有此功能。

UHF wireless microphone instruction

- 1, Wireless wheat factory has been paired successfully by default, and power on automatic connection can be used directly.If you cannot match automatically, follow Step 3 to pair.
2. Wireless wheat key function : M V+/CH+ V-/CH-
M key: short press M key to switch frequency point and volume mode. Enter current mode to show V as volume mode, press +/- to adjust volume, up to 9 levels, show C as frequency point adjustment mode, press +/- to adjust frequency point, no operation for 5 seconds to show power saving off, wake up after touching the key.
3. ID pairing mode: Enter ID setting after 8-12 seconds long press of M key, there will be an alternating flashing reminder in the middle of the display. After alternating flashing of wireless wheat display, you need to turn off the amplifier host to pair the new ID from the new power on, and pair the successful blue light host display UHF to stop flashing.
- 4, Wireless wheat power display and low power alert/charge indication: 100 B75 B50 B25 B10 is displayed at each power-on level corresponding to the current power alert. If the power-on display B10 is already in low power mode and the display cycle flashes, the low power is prompted to go to power-off state.During charging, the red light turns on in the middle of the wireless wheat key and goes out when it is full.

*This page is only applicable to UHF wireless version of this machine, does not mean that all machines have this feature.

一、温馨提示

- 1.使用扩音器功能时，请不要将话筒的咪头朝向扩音器的扬声器，以免产生啸叫；空间小的地方，可适当调小音量，以避免啸叫。
- 2.为了使扩音器效果清晰，使用寿命长，话筒上的海绵套，起到过滤讲话时产生的气流或减少灰尘进入话筒内部，请不要将话筒上的海绵套取下。
- 3.佩戴麦克风时，请将话筒对准嘴巴，并让话筒与嘴的距离控制在1~3cm之间，以达到最好的扩音效果；
- 4.用户在使用时，请不要触摸麦克风上的海绵套，以免产生杂音；
- 5.出现故障时，请立即关断电源开关，并拔掉USB插头，防止扬声器及其它元件损坏。
- 6.需要防水时，请注意检查机器左右两侧的接口处胶塞已经完全闭合

二、出厂配置

您的扩音器包含以下标准组件：

- * 主机一台
- * 麦克风一个
(不同版本配置的麦克风不一样)
- * 3.5mm音频线1条
- * USB充电线1条
- * 说明书/保修卡1份
- * 腰带一条

First, warm tips

1. When using the **loudspeaker** function, **please** do not point the microphone head toward the speaker of the **loudspeaker** to avoid **howling**; if the space is **small**, you can adjust the **volume** to avoid **whistling**.
2. In order to make the **loudspeaker** clear and **long** lasting, the **sponge sleeve** on the microphone can **filter** the **airflow** generated during speech or reduce the dust entering the inside of the microphone. **Please** do not remove the **sponge sleeve** from the microphone.
3. When wearing the microphone, **please** aim the microphone at the mouth and keep the distance between the microphone and the mouth between 1~3cm to achieve the best sound **amplification** effect;
4. When using the user, **please** do not touch the **sponge cover** on the microphone to avoid noise.
5. When a **fault** occurs, **immediately** turn off the power switch and **unplug** the **USB plug** to prevent damage to the speakers and other components.
6. When waterproofing is required, **please** pay attention to check that the **rubber plugs** on the **left** and **right** sides of the machine are **completely** closed

Second, the factory configuration

Your **loudspeaker** contains the following standard components:

- * One host
- * One microphone
(The microphones of different versions are different.)
- * 3.5mm audio cable 1
- * USB charging cable 1
- * 1 manual / warranty card
- * One belt

三、产品参数

主机规格：L145*W115*H47mm

主机净重：488g（含内置锂电池）

充电时间：6小时

使用时间：8-12小时（话筒模式）

6-10小时（音乐模式）

功能特点 扩音、数码录音、音乐播放、FM调频收音、蓝牙播放

存储类型 支持最大容量不超过32G TF卡/U盘设备

电源供应 21700锂电池3.7V 4500mAh、

DC5V/1000mA适配电源

文件格式 MP3、WMA、WAV

Bit Rate MP3:8Kbps-320Kbps

WMA:32Kbps-384Kbps

录音格式 WAV：32/64/128Kbps

FM收音机 接收频率范围87.5MHz-108MHz

自动搜索电台 半自动搜索电台

扬声器单元 4英寸

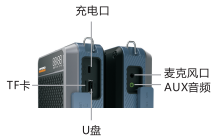
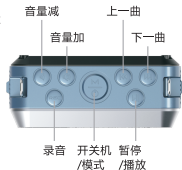
额定功率 10W

输出功率 40W

USB规格 USB2.0、兼容USB1.1

蓝牙版本 5.0

蓝牙名称 APORO T28



Third, the product parameters

Host specifications: L145*W115*H47mm

Host net weight: 488g (including built-in lithium battery)

Charging time: 6 hours

Use time: 8-12 hours (microphone mode)
6-10 hours (music mode)

Features: PA, digital recording, music playback, FM radio, Bluetooth playback

Storage type Supports maximum capacity not exceeding 32G TF card/U disk device

Power supply 21700 lithium battery 3.7V / ≥4500mAh, DC5V/1000mA adapter power supply

File format: MP3/ WMA/ WAV

Bit Rate MP3: 8Kbps-320Kbps

WMA: 32Kbps-384Kbps

Recording format WAV: 32/64/128Kbps

FM radio :

receiving frequency range 87.5MHz-108MHz

Common frequency band Telescopic FM high

Speaker unit 4"

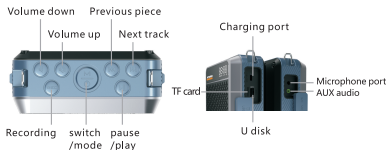
Rated power 10W

Output power 40W

USB specification USB2.0, compatible with USB1.1

Bluetooth version 5.0

Bluetooth name APORO T28



四、产品功能特点

- 1、防水防尘：通过实验室防水防尘测试，IP67认证。
- 2、清晰扩音：大功率40W，声音清晰。无线自动连接。
- 3、蓝牙播放：蓝牙版本5.0，可以连接手机或其他设备通过蓝牙播放音频。
- 4、FM收音：FM频率87.5MHz——108.0MHz。
- 5、录音：REC按键一键录音，机身自带120秒时间的存储。
- 6、播放模式：支持单曲循环播放和全部循环播放。
- 7、AUX接口：可以通过音频线输入音频，做音箱使用。

Four, Product features

1. Waterproof and dustproof: it has passed the laboratory waterproof and dustproof test, and is IP67 certified.
2. Clear sound amplification: High Power 40W, clear sound. Wireless automatic connection.
3. Bluetooth playback: Bluetooth version 5.0, you can connect your mobile phone or other devices to play audio through Bluetooth.
4. FM radio: FM frequency 87.5mhz-108.0mhz.
5. Recording: rec button one button recording, the fuselage comes with 120 seconds of storage.
6. Playback mode: support single track loop playback and all loop playback.
7. Aux interface: you can input audio through the audio cable and use it as a speaker.

五、使用介绍

- 1、开机、蓝牙匹配、电量低这几个状态均有提示音。
- 2、长按MODE/POWER 按键3秒后显示HI开机。再次长按MODE/POWER按键3秒显示OFF关机。
- 3、短按MODE按键为依次切换工作模式，连续短按，连续切换。
- 4、蓝牙配对：按MODE键切换到蓝牙模式，主机LED屏显示bLUE并闪烁，打开手机蓝牙，刷新找到蓝牙名称为APORO T28的，点击连接。配对成功后LED屏bLUE字符长亮。
- 5、短按“暂停”键时，整机静音，无噪声，长按“暂停”键为单曲和全部循环功能（LED会显示ONE或ALL）。
- 6、插入U盘/TF卡/AUX时，自动切换到U盘/TF卡/AUX状态。
- 7、出厂默认开机音量为10，调节音量后，下一次开机为上次关机时的音量。
- 8、短按音量“+”“-”键时，LED显示“U+音量”，最大16最小0。麦克风音量和音乐音量同步大小。
- 9、FM模式时,长按播放暂停键为全自动搜台，长按上下曲为半自动搜台，搜停后跳到第一个电台。
- 10、蓝牙模式按暂停键时整机无声，LED屏显示PAUS字符长亮，按上下曲键解除暂停。
- 11、REC录音：录音需要连接麦克风，短按REC键开始录音,再次短按保存录音并播放当前录音文件。（机身自带120秒录音存储，如果插有TF卡或者U盘，优先使用外部存储录音文件）
- 12、在任何模式下插入外部麦克风时，会自动优先麦克风喊话，且LED显示为当前模式状态。
- 13、电池电量检测到电量不足时,电池图标快速闪烁,电量足时长亮不动。
- 14、开关机插5V充电线充电时，电池图标慢闪烁，充满后长亮不动。

Five, the use of introduction

1. Power on, Bluetooth matching, low power status have a prompt tone.
2. Press and hold the mode / power button for 3 seconds to display "HI" boot. Press the mode / power button again for 3 seconds to display "OFF" .
3. Short press the mode key to switch the working mode in turn. Press the mode key continuously for continuous switching.
4. Bluetooth pairing: press the MODE button to switch to Bluetooth mode, the host LED display BLUE and flash, open the phone Bluetooth, refresh to find the Bluetooth name is APORO T28, click on the connection. After the pairing is successful, the LED BLUE character is long.
5. When the "pause" button is pressed shortly, the whole machine is muted and no noise. Press and hold the "pause" button for single and all loop functions (LED will display ONE or ALL).
6. The factory default startup volume is 10. After adjusting the volume, the next startup is the volume of the last shutdown.
7. The volume defaults to 13 max 16 when booting, long press a song for fast forward, long press the last song for fast rewind.
8. When the volume "+" and "-" keys are pressed shortly, the LED displays "U+Volume" with a maximum of 16 minimum 0. The microphone volume and music volume are synchronized.
9. In FM mode, long press the play pause button for automatic search, long press the upper and lower songs for semi-automatic search, and jump to the first station after search.
10. Bluetooth mode When the pause button is pressed, the whole machine is silent. LED indicates that the PAUS character is long, press the up and down button to release the pause.

11. Rec recording: to record, connect a microphone, briefly press the rec key to start recording, and then briefly press again to save the recording and play the current recording file. (the fuselage is equipped with 120 second recording storage. If there is a TF card or U disk inserted, the external storage of recording files is preferred.)
12. When an external microphone is inserted in any mode, the microphone will be automatically prioritized and the LED will display the current mode status.
13. When the battery power is low, the battery icon flashes rapidly, and the battery is not moving for a long time.
14. When the switch is plugged into the 5V charging cable for charging, the battery icon flashes slowly, and it stays bright after being fully charged.

常见问题

故障

蓝牙配对不上

解决方法

主机重新切换到蓝牙模式，并及时刷新手机上的蓝牙设备并查看，找到APORO T28名称的蓝牙设备后及时点击连接

扩音器会啸叫

麦克风话筒不要正对扩音器的扬声器

扩音效果不理想

使用环境空间较小，音量调得过大，产生回音引起啸叫
正确佩戴麦克风，请将话筒上白色标记的方向对准嘴巴

开机无法播放

TF卡/U盘内文件是否为MP3/WMA格式（8kbps-320kbps）

屏幕无显示

电池是否有电

音乐播放时无声

检查扩音器是否处于静音或暂停状态

声音小

音乐音量是否有调节

FM接收不到电台

检查周围环境是否过于密闭或偏僻

接受电台少/或有杂音

是否有FM信号覆盖

AUX连接无声

检查是否将音频连接线正确接好

Common Problem

Troubleshooter

Bluetooth pairing is not on. The host switches to Bluetooth mode again, and refreshes the Bluetooth device on the phone in time to view it. After finding the Bluetooth device with APORO T28 name, click on the connection. The loudspeaker will whistle. The microphone microphone should not face the speaker of the loudspeaker. The sound amplification effect is not ideal. The use of the environment is small, the volume is too large, and the echo is caused by the whistle.

Wear the microphone correctly, aim the white mark on the microphone against the mouth

Cannot play when booting TF card/U disk file is MP3/WMA format (8kbps-320kbps)

No display on the screen. Is the battery powered?

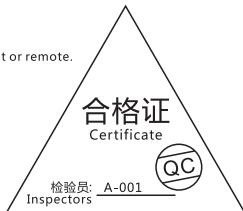
Silent during music playback Check if the loudspeaker is muted or paused

Small sound, is the music volume adjusted?

FM can't receive the radio. Check if the surrounding environment is too tight or remote.

Receive less radio stations and/or have noise. Is there FM signal coverage?

AUX connection is silent Check if the audio cable is properly connected



注意事项

Matters needing attention

- 1、为了达到话筒扩音最佳效果，请将咪头放置嘴正前方1CM处对准咪头处发音，若有啸叫，可适当调小音量或将机器与咪头的距离稍微拉开，以防互相干扰；
In order to achieve the best effect of microphone amplification, please place the head in front of the mouth at the front of the 1CM at the head of the pronunciation. If there is a howl, you can turn down the volume properly or the distance quotient between the machine and the head of the microphone is slightly removed to prevent interference.
- 2、尽量避免频繁拔插麦克风插口，以免造成插口松动而引起接触不良，不可将话筒和音源插错
Avoid frequent plugging of microphone socket so as to avoid loosening the socket and causing poor contact. You should not insert the words simply or incorrectly into the sound source.
- 3、为保证锂电池使用寿命，建议使用完再充电，频繁充电将加速电池芯片老化，长时间不用时应每隔周充一次电
In order to ensure the service life of lithium battery, it is suggested that recharging is conducted after using up, because frequent charging will accelerate the aging of the battery chip, and the battery should be recharged every two weeks when it is not used for a long time.

- 4、因喇叭磁性效强，不可将机器和银行卡等带磁性的东西放一起，以免造成失磁而带来不必要的麻烦

Because the horn magnetic effect is strong, do not put the machine and the bank card and other magnetic things together, lest cause the loss of magnetism and cause unnecessary trouble

- 5、本产品所有配件皆按本机工作需要设计，如需更换配件尽置使用本公司原装配件，以达到最佳工作状态。

All the accessories of this product are designed according to the requirements of the machine. If we need to replace the accessories, we can use the original parts to achieve the best working condition.

- 如果电池更换不当会有爆炸危险，只能用同样类型或等效类型的电池来更换

There is a risk of explosion if the battery is not replaced properly, and only the same type or equivalent type of battery can be used to replace the battery

- 机器使用环境为-10℃-45℃，电池（电池包或组合电池）不得暴露在诸如日照、火烤或类似过热环境中

The operating environment of the machine is -10 °C -45 °C, and the battery (battery pack or combination battery) shall not be exposed to such conditions as sunlight, fire or similar overheating.

- 电池具有污染性，请妥善处理报废电池和机器

Batteries are polluting, please dispose of end-of-life batteries and machines properly

产品保修须知

Product warranty instructions

为了让您更好的享受我公司的各项服务，请仔细阅读以下内容：本产品的保修服务由全国各地的金城伟业公司授权技术服务中心负责提供。本产品自销售之日起计保修期和“三包”有效期，在“三包”有效期内。正常状态下使用本产品而发生故障，可依据“三包”规定予以维修、更换、退货。在产品保修期内，可依照本保修条款的内容，在金城伟业公司授权技术服务中心享受无偿维修服务，（随机附件：USB线等，不在保修范围内）。本产品保修期限规定为一年。

To enable you to enjoy our services better, please read the following details: The warranty service for this product is provided by the Apollo Technology Licensing Technical Service Center throughout the country. The warranty period and “three guarantees” validity period of this product start from the date of sales, within the “three guarantees” validity period. Failed to use this product under normal condition, the product can be repaired, replaced and returned according to the “three guarantees” requirement. During the product warranty period, according to the contents of this warranty, you can enjoy the free maintenance service at the JCWY Technology authorized Technical Service Center (Random Annex: USB line, etc., not covered by warranty). The warranty period of this product is one year.

在保修期（含“三包”有效期）内以下情况将实施有偿维修服务，同时不享受“三包”服务
During the warranty period (including the validity of “three guarantees”), paid maintenance services will be implemented in the following circumstances, while not enjoying the “three guarantees” service

1) 不能出示有效保修卡原件和有效发票。

No original valid warranty card and valid invoice can be produced.

2) 购买产品日期、销售单位名称（盖章有效）等项目未能完整填写或涂改保修卡。

The date of purchase of the product, the name of the sales unit (valid seal) and other items are not fully completed or altered the warranty card.

3) 由于不可抗拒的自然灾害造成的故障、损伤。

Failures and injuries caused by irresistible natural disasters.

4) 在运输、搬卸过程中造成的故障、损伤。

Failure and damage caused by transportation and unloading.

5) 由于未能按照《产品使用说明书》上所写的使用方法和注意事项操作而造成的人为故障。

The human failure caused by the failure to follow the usage methods and precautions written in the "Product usage instructions".

6) 未经本公司授权对产品进行的拆卸、维修、改装而造成的故障。

Failure caused by disassembly, maintenance and modification of products without the authorization of the Company.

需要保修时请将机器与本保修卡（原件）及购机凭证（复印件）一起送往金城伟业有限公司授权技术服务中心，运输费由用户承担。

When the warranty is required, the machine will be sent to the authorized Technical Service Center of JCWY Technology Co., Ltd together with this warranty card (original) and machine purchase certificate (photocopy), and the transportation fee will be borne by the user.

产品保修卡
Guarantee card

购买产品时，请认真填写此卡，并予以妥善保管。

Please fill in this card carefully and keep it properly.

用户档案

User file

| | | | | | |
|----------------------------------|--|--------------|----------------------------|----------------|--|
| 用户姓名 User name | | 性别 Gender | | 年龄 Age | |
| 通讯地址 Communication address | | | | | |
| 联系电话 Contact number | | | | 邮编 Zip code | |
| 购买地点 Place of purchase | | | | | |
| 购买日期 Purchase date | | | 销售单号 Sales order number | | |
| 品名及规格 Title and specification | | | 机身编号 Fuselage number | | |
| 经销商签名 Dealer signature | | | 用户签名 User signature | | |



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website: www.aporo.cn

制造商：深圳市金城伟业电子有限公司

Manufacturer: Shenzhen Jincheng Weiye Electronics Co., Ltd.

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