

odak

TC5/TC6

综合效果多功能扬声器系统

The Comprehensive Effect Multi Function Speaker System

使用说明书

USER MANUAL



iOS软件下载二维码

iOS APP



安卓软件下载

Andriod



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本公司不断致力提高产品的质量和性能，产品技术和设计如有更新，恕不另行通知。

一 致用户

非常感谢您对本公司高科技产品的厚爱，为将获得本产品最佳性能和充分发挥本机所提供的全部功能，请您在使用本系统前，认真阅读本说明书，如有不解之处请向当地经销商咨询或直接向本公司咨询。

请妥善保管本说明书以备日后随时查阅。

二 安全警告



本机使用宽电压供电，安全电压范围为100V至240V！

电源线不能被挤压、拉扯。弯曲、打结、悬挂重物或被人践踏。以防止电源线的绝缘层被损坏导致触电！

请勿堵死散热孔而导致机器散热不良影响本机使用寿命！

如机器突然发生冒烟或其他异常现象，请迅速拔出插头，避免引起意外事故，并联系当地经销商进行维修！

如较长时间不用，请拔下本机电源插头，防止雷击而烧毁本机！

三 包装内组件

组件	数量
主机	1台
无线话筒	1支
电源适配器	1个
3.5转6.5转换头	1个
用户保修手册	1本
用户使用说明书	1本
合格证	1张

四 本机功能特性

本系统可与吉他、贝司、口琴、萨克斯、电子钢琴、手机、平板、个人电脑、DVD、VCD、CD、LD、TV、MP3、收音机等任何有音频输出的装置配接使用。

本机将乐器音箱与蓝牙音频完美融合为一体，拥有以下的特性：

- 支持iOS APP 遥控设备
- 内置乐器综合效果器，可用iOS APP控制，其中乐器效果包括：
过载效果：Drive/Blue Driver/Turbo/Distortion/Metal Zone
调制效果包括Flanger/Chorus/Phaser，两者可混合使用
- 内置人声综合效果器，
七段EQ均衡可调，频点：100,200,400,800,1600,3200,6400
六种空间效果：Small/Large hall/Short plate/Spring reverb/Short room/Room
配置专业级的啸叫抑制，专业级的混响&延时
- 支持蓝牙连接，可支持连接蓝牙设备，任意电脑和手机，只要开通功能就可以连接并播放
- 内置的耳机放大输出，适合于静音练习
- 独特的轻触式开关机，配备微电脑(MCU)控制系统，智能低电压指示、低电压自动关机(电池保护)、无信号自动关机，接近零功耗的待机模式使电池更耐用
- 内置专业演出级别无线话筒，支持自弹自唱，为演出提供更优秀的声音表现
- 系统扬声效果出众、低音下潜有力真实而震撼，中音表现力强，高音清脆悦耳

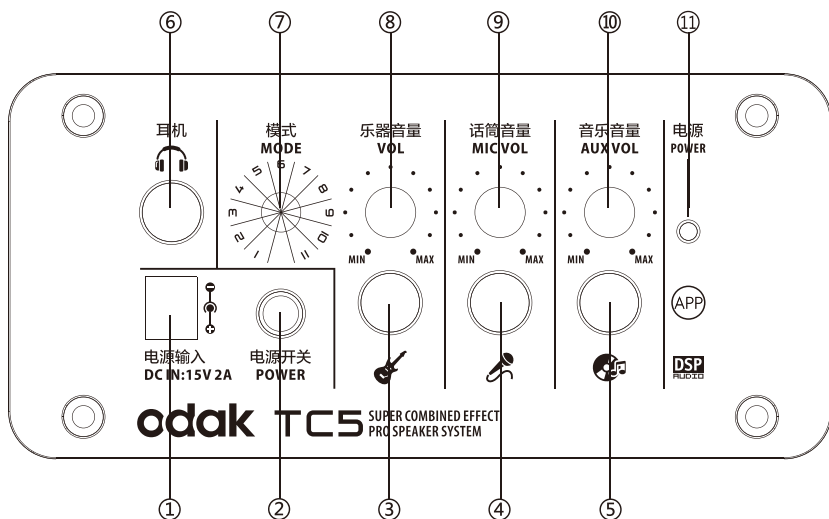
五 主要技术规格

基础参数		
型号	TC5	TC6
电源	15V-2A 适配器	15V-2A 适配器
扬声器配置	5.5寸全频扬声器	6.5寸全频扬声器
频响范围 (-3dB)	70Hz~20kHz	70Hz~20kHz
电池规格	12V / 3Ah	12V / 4Ah
尺寸 (宽X高X深)	220X220X140mm	240X320X140mm
重量	3.6kg	6kg

性能参数		音乐通道	乐器通道	话筒通道
最大功率输出(W)	正常工作条件,1KHz,3%失真,3Ω*1	15	15	15
噪声(mV)	额定条件 A计权	2	4	3
信噪比(S/N)	额定条件,输入1KHz,THD1% A计权	71	65	67
总谐波失真(%)	主声道,正常工作条件,1KHz, A计权	0.1	0.2	0.1
频率响应(dB(A))	主声道,正常工作条件,500Hz-1KHz-20KHz	±3	±3	±3
过载源电动势(V)	主声道,正常工作条件,1KHz,1%失真,4Ω*1	2.5	1	0.7
耳机线路输出(V)	额定工作条件,33Ω负载	0.55	/	/
灵敏度(mV)	正常工作条件,1KHz,3%失真,3Ω*1	275	76	25

以上规格仅供参考，因产品不断改进，设计规格和功能可能有所更改，恕不另行通知。

六 面板功能说明



- ① 电源充电接口，连接充电器可充电
- ② 电源开关，开始后指示灯亮即可正常使用
- ③ 连接乐器通道，即可让乐器发声
- ④ 连接有线话筒通道
- ⑤ 连接多媒体通道
- ⑥ 耳机输入通道
- ⑦ 模式选择
- ⑧ 乐器音量大小调整
- ⑨ 话筒音量大小调整
- ⑩ 音乐音量大小调整
- ⑪ 电源指示灯，变红即已开电源，变绿即有设备已连接

七 APP功能说明



1.打开软件，点击**CONTACT**按钮。

2.选中**TC5.TC6-Control**，连接完成。

3.其中11种模式分别为：

- | | |
|---------|---------|
| S1:延时循环 | 1- 明亮清音 |
| S2:合唱独奏 | 2-节奏原声 |
| S3:法兰失真 | 3-英式清音 |
| S4:相位模式 | 4-布鲁斯过载 |
| | 5-节奏轻失真 |
| | 6-增益失真 |
| | 7-金属失真 |



连接完成后，即可使用APP操作机器。

11个模式，S1-S4可供用户重新自定义模式用，具体操作如下，旋到S1,将各个参数调整到自己的喜欢的风格，按**SAVE**即可保存该模式。

旋钮旋到具体数字上，按上LOAD键即选择该模式

调整乐器声音大小，进入该页面后可调整该通道详细参数

调整麦克风声音大小,进入该页面后可调整该通道详细参数

调整音乐声音大小，进入后可调整该通道详细参数

乐器通道调整页面



调节乐器通道的音量

调节乐器通道的效果音量大小，与EFFECT模块配合使用

Amplifier模块

Allpass表示没有Amplifier效果，其他的分别代表不同的过载效果

LEVEL旋钮调节的是Amplifier效果声音的大小，GAIN旋钮调节的是声音失真程度大小

Equalizer模块

7个滑块分别代表的是当前频点的增益值(dB)，通过上下滑动不同的滑块来调出适合自己的音色

Modulation模块

Allpass表示没有Modulation效果的意思，其他的分别代表不同的效果。其中Rate/Res/Depth旋钮调制的速率，反馈的大小以及调制的深度

话筒通道调整页面



调节MIC通道的音量

调节MIC通道的效果音量大小，与EFFECT模块配合使用

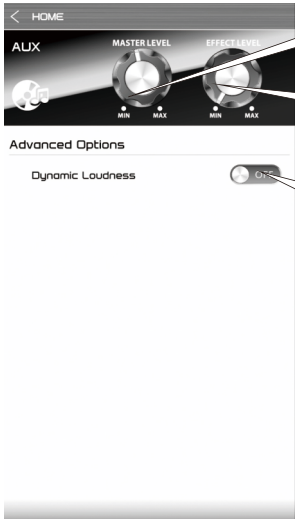
Equalizer 模块

7个滑块分别代表的是当前频点的增益值（dB），通过上下滑动不同的滑块来调出自己想要的音色

Advanced Options模块

当开关打开时，能够有效的抑制话筒的啸叫

音乐通道调整页面



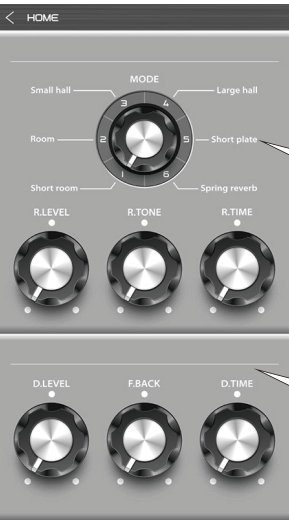
调节音乐通道的音量

调节AUX音乐通道的效果音量大小,与EFFECT模块配合使用

Advanced Options模块

当开关打开时，能够有效弥补整个系统声音小的时候人耳听到的响度等

效果调整页面



PS:如果想要某个通道有EFFECT效果，请务必把该通道的EFFECT LEVEL打开，每个通道的EFFECT LEVEL旋钮代表了该通道信号进入EFFECT效果时的多少。

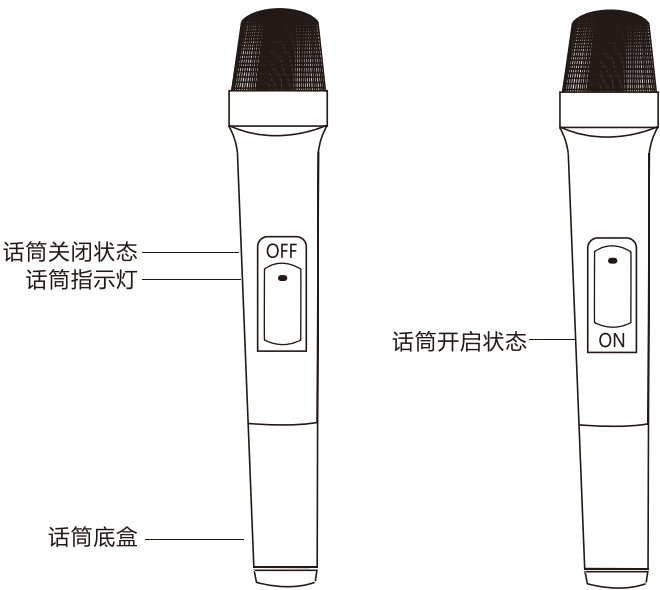
REV分别可调六种模式，当将MODE旋钮旋到相应的位置时，可以调到不同的REV模式上。在下面的三个旋钮，R.LEVEL，R.Tone，R.Time分别调节REV效果的大小，REV的音色，以及REV的时间。

在**Delay**模块中，有三个旋钮，分别是D.LEVEL,F.BACK,D.TIME，它们分别调节的是Delay效果的大小,Delay的反馈次数，Delay的延时时间。

八 无线话筒

使用步骤：

旋下话筒底盒，装上5号电池。
上推开关按钮打开话筒，指示灯亮即可使用。



以上形象为示意图，仅供参考，具体以实物为准

九 故障表

故障现象	可能原因	处理方法
打开电源 无任何声音	1.没有输入音源 2.音量调节处于最小位置	1.输入音乐信号 2.适当调节音量
声音失真	1.APP未正确调控参数 2.音量调节过大 3.音响可能损坏	1.将主音量调小 2.检查音响是否损坏，若损坏，需维修
话筒无声	1.话筒未装电池或开关没打开 2.话筒音量旋钮处于最小位置	1.装上电池，打开话筒开关 2.适当调节话筒音量
乐器太小声	1.乐器连接插头没有完全插入 2.话筒音量旋钮处于最小位置 3.APP中未正确调好音量	1.把乐器插头完全插入乐器通道 2.适当调节乐器通道音量 3.打开APP，进行正确操作
充电后仅能使用几分钟或链接适配器时才能使用	1.电瓶损坏 2.电瓶连接线松/断 3.未将电量充足	1.更换同型号的电瓶 2.找本公司当地经销服务 3.将电量充足后再使用
APP操作无效	蓝牙断开或系统故障	退出APP，重新连接，若仍无法操作，重启机器。

注：关于APP操作详见P04~P07

■ Blue tooth 4.0

After booting, to search for TC5/TC6 Bluetooth with a mobile phone, tablet and other devices, the power indicator light turns green on behalf of the connection.

Connect **TC5.TC6-Music**, it can be used to play music and audio

Connect **TC5.TC6-Control**, which can use special APP to control the musical instrument speaker

■ Software installation

IOS version of mobile phone / tablet to search **TC5TC6** for software downloading and operation from AppStore.

1 To clients:

We are very appreciated for your great kindness to our company's high-tech products.

Please carefully read this instruction before using this system, in order to obtain the best performance of the product and give full play to the function provided by this machine. If there is confusion, please consult your local dealer or directly to the company advisory.

Please keep this instruction manual for future easy reference at any time.

2 Security warning



The machine uses AC 220 volts, safe voltage range is from 110V to 240v! The power cord can not be squeezed, pulled, bent, tied, hanging heavy objects or being trampled! Do not block the vents and lead to poor heat dissipation of the machine to affect the machine service life !If the machine suddenly smoke or other abnormal phenomenon occurs, please quickly pull out the plug, to avoid causing accidents, and contact the local dealer for maintenance! Such as: For a long time, please unplug the power plug to prevent the machine from burning in lightning!

3 Packaged component

Components	Quantity
The host machine	1
Wireless microphone	1
The power adapter	1
3.5 to 6.5 conversion head	1
User warranty Manual	1
User manual	1
Certification	1

4 Machine Features

The system can be used with the guitar, bass, harmonica, sax, electronic piano, mobile phone, tablet, personal computer, DVD, VC, CD, LD, TV, MP3, radio and any other devices are equipped with audio output device to use.

This machine integrates the musical instruments with the Bluetooth audio into a unity, which have the following characteristics:

- APP control available.
- Built in musical instrument comprehensive effect device that can use IOS APP control, which the musical instrument effects include overload effect: Drive/Blue Driver/Turbo/Distortion/Metal Zone, the modulation effect including Flanger/Chorus/Phaser, both can be mixed use.
- The built-in voice comprehensive effect device, there are 7 segment EQ equalization can be adjusted , they are 100 , 200 , 400 , 800 , 1600 , 3200 , 6400. It contains six preset space effect can be selected: Small/Large hall/Short plate/Spring reverb/Short room/Room , configured professional howling suppression, professional reverberation & delay.
- Support Bluetooth connection, can also support the connection of Bluetooth devices, any computer and mobile phone, which can be connected and play as long as the function is opened.
- Built in headphone amplifier output, suitable for silent practice.
- Unique touch switch machine, equipped with microcomputer (MCU) control system, intelligent low voltage indication , low voltage automatic shutdown (power protection)、 no signal automatic shutdown , standby mode close to zero power consumption , to make the battery more durable.
- Built in professional performance level wireless microphone, support self playing and singing, to provide more excellent voice performance.
- Outstanding effect of loudspeaker system , real and shocking powerful bass, strong performance alto, clear and melodious treble.

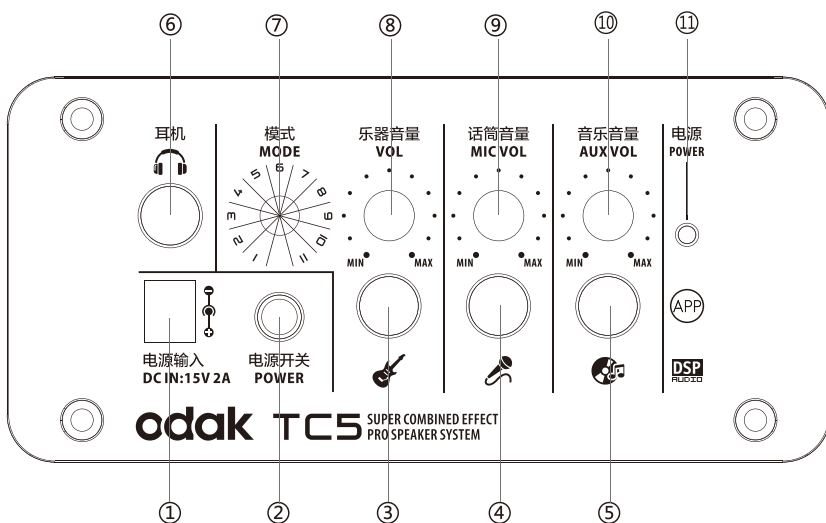
5 Main technical specifications

Basic setting	TC5	TC6
Power supply	15V-2A adapter	15V-2A adapter
Speaker configuration	5.5 inch full frequency loudspeaker	6.5 inch full frequency loudspeaker
Frequency Response (-3dB)	70Hz~20kHz	70Hz~20kHz
Battery Specification	12V / 3Ah	12V / 4Ah
Dimension(WXHXD)	220X220X140mm	240X320X140mm
Weight	3.6kg	6kg

Parameter	Working condition	Music	Instrument	Microphone
Max power output(W)	Normal working condition , 1KHz,3% distortion , 3Ω*1KHz,	15	15	15
Noise(mV)	Rated condition A weighting	2	4	3
Signal Noise Ratio(S/N)	Rated condition, input 1KHz, THD1% A weighting	71	65	67
THD(%)	Main channel,normal working condition , 1KHz, A weighting	0.1	0.2	0.1
Frequency response(dB(A))	Main channel,normal working condition,500Hz-1KHz-20KHz	±3	±3	±3
Overload source electromotance(V)	Main channel,normal working condition , 1KHz,1% distortion,4Ω*1	2.5	1	0.7
Headphone output (V)	Rated working condition,33Ω load	0.55	/	/
Sensitivity(mV)	Normal working condition , 1KHz,3% distortion,3Ω*1*1	275	76	25

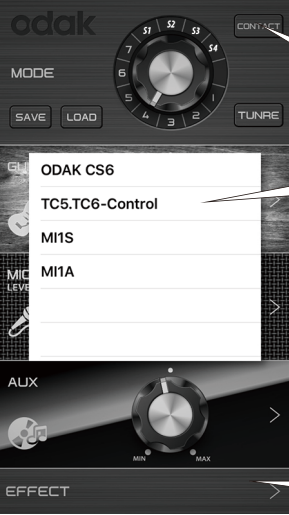
The above specifications are for reference only, due to continuous improvement of products, design specifications and functions may be subject to change without notice.

6 Function specification



- ① The power supply charging port, connect the charger to charge
- ② The power switch, the indicator lights after starting that can be used normally
- ③ Connecting the musical instrument channel to make the sound of it
- ④ Connect the cable microphone channel
- ⑤ Connect the multimedia channel
- ⑥ Headphone input channel
- ⑦ Mode selection
- ⑧ Musical instruments volume size adjustment
- ⑨ Microphone volume size adjustment
- ⑩ Music volume size adjustment
- ⑪ The power indicator light turns red indicates the power is opened, the device has been connected when turns green

7 APP function specification



Open the software, click the **CONTACT**

Select **TC5,TC6-Control**, connection completed.

There are 11 modes, respectively:
S1 Delay cycle 1-Bright clean
S2 Chorus solo 2-Rhythm acoustic
S3 Flanger distortion 3-British clean
S4 Phaser mode 4-Blues drive
 5-Rhythm Crunch
 6-Turbo Distortion
 7-Metal Distortion

Enter into the **EFFECT** effect page



After the connection is completed, you can use the APP operating machine

11 models, S1-S4 can be used for the user to re-customize the model, the specific operation is as follows, switch to S1, the various parameters to adjust to their favorite style, save mode by pressing **SAVE** .

Turn the knob to the specific number, pressing the **LOAD** key to select the mode

Adjust the size of guitar sound, enter the page to adjust detailed parameters of the channel

Adjust the size of the microphone sound, after entering the page to adjust detailed parameters of the channel

Adjust the size of the music sound, after entering to adjust detailed parameters of the channel

Musical Instrument channel



Adjust the volume of the musical instrument channel.

Adjust the effect volume size of the musical instrument channel, and equipped use with the EFFECT module

Amplifier module

Allpass means no Amplifier effect, the others respectively on behalf of the different effects of overload

LEVEL knob to adjust the size of the Amplifier effect sound.
Gain knob to adjust the size of the sound distortion

Equalizer module

7 sliding blocks are respectively represented the current frequency gain value (dB), to call up for their own sound by sliding up and down different sliding blocks.

Modulation module

Allpass means that there is no Modulation effect, the others respectively on behalf of the different effects. The Rate/Res/Depth represent the knob modulation rate, the size of the feedback and the depth of modulation.

Microphone channel



Adjust the volume of the MIC channel.

Adjust the EFFECT volume size of the MIC channel, and equipped use with the EFFECT module.

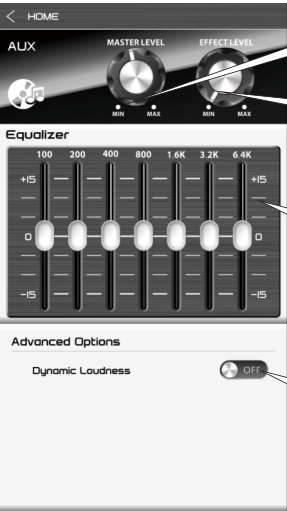
Equalizer module

7 sliding blocks are respectively represented the current frequency gain value (dB), through sliding up and down different sliding blocks to adjust the desired tone.

Advanced Options module

When the switch is opened, the microphone can effectively inhibit the howling.

Music channel



Adjust the volume of music channel.

Adjust the EFFECT volume size of the AUX music channel, and equipped use with the EFFECT module.

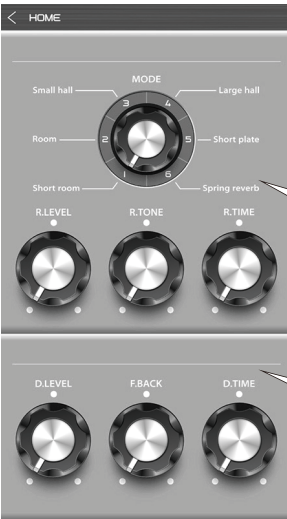
Equalizer module

7 sliding blocks are respectively represented the current frequency gain value (dB), through sliding up and down different sliding blocks to adjust the desired tone.

Advanced Options module

When the switch is opened, can effectively compensate the loudness when the small voice of the whole system heard by the ear.

Effect adjustment page



PS: if you want a channel with EFFECT, be sure to open the channel's EFFECT LEVEL, each EFFECT LEVEL knob of the channel represents how much effect when the channel signal into the EFFECT.

REV can adjust six models separately, when switch the MODE knob to the corresponding position, can be transferred to a different REV model. To adjust the effect size of REV, the sound of REV and the timing of REV, through the 3 knobs of R.LEVEL, R.Tone, R.Time.

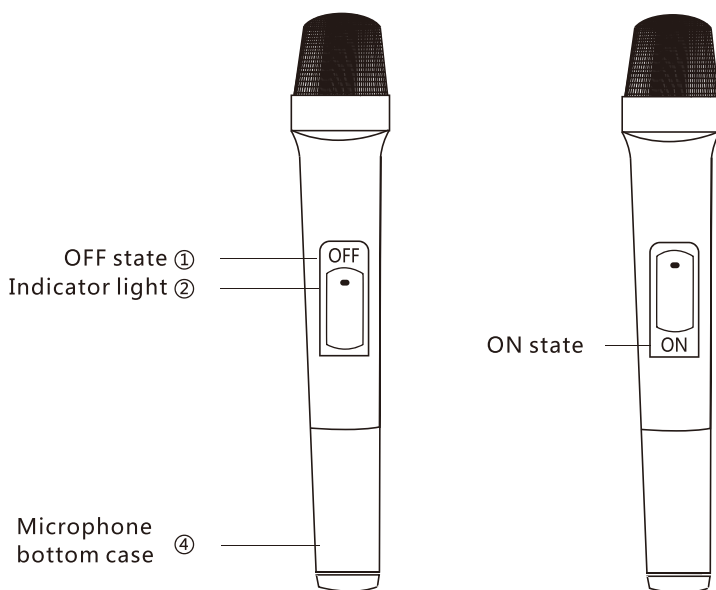
In the delay module, there are three knobs : D.LEVEL, F.BACK, D.TIME, respectively, they separately adjust the size of the Delay effect, feedback times of Delay, the delay time of Delay .

8 Wireless microphone

Using steps

Unscrew the bottom case of the MIC and load it with the battery No.5.

Push-up the switch button to turn on the microphone, it can be used when the indicator lights.



Above images as schematic diagram, for reference only, please make the object as the standard.

9 Error list

Error	Possible causes	Processing methods
Turn on the power without any sound	1.No audio input 2.The volume control is in the minimum position	1.With better music signals 2.Adjust the volume properly
Sound distortion	1.The parameters is not properly adjusted by APP. 2.The volume control is too large 3.The speaker may be damaged	1.Adjust the main volume to small 2.Check if the speaker is damaged or not, if damaged, need to repair.
Microphone distortion	1.The microphone is not loaded the battery or switch is not turned on 2.The microphone volume knob is in the minimum position	1.Install battery , turn on 2.Appropriately adjust the micro -phone volume
The musical instrument sound is too small	1.The musical instrument connection plug is not completely inserted 2.The microphone volume knob is in the minimum position 3.The volume is not properly adjusted by APP	1.Connect the musical instrument to the plug and fully inserted into the musical instrument channel . 2.Adjust the volume of the musical instrument channel properly. 3.Turn on the APP to make the correct operation
Can use only a few minutes after charging or can only be used after connect with the adapter	1.The storage battery damaged 2.The storage battery cable loose / broken 3.Not enough power	1.Replace the same type of the storage battery 2.Find the company's local distribution services 3.Reuse it after sufficient electricity
Invalid APP operation	Bluetooth disconnection or system failure	Exit APP and reconnect, if you are still unable to operate, restart the machine,

Note: See P04~P07 for APP operation.



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