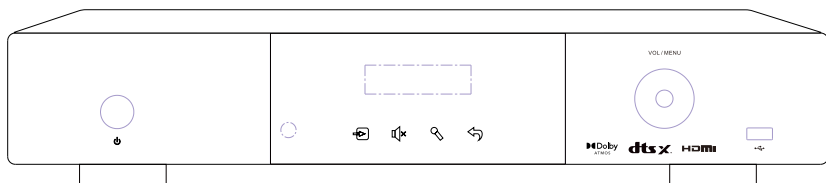


# 产品说明书



## 全景声客厅影K功放

本企业已通过ISO9001质量管理体系认证

**Dolby**  
ATMOS

**dts x**

**4K**  
With HDR

**HDMI**

# 产品装箱单

| 序号 | 名称       | 数量 |
|----|----------|----|
| 1  | 说明书      | 1本 |
| 2  | 电源线      | 1条 |
| 3  | HDMI 4K线 | 1条 |
| 4  | 合格证      | 1张 |
| 5  | 遥控器      | 1个 |
| 6  | 7号电池     | 1对 |

## 污染控制标识及其含量说明



此标志表示该产品在使用完结后可再利用。数字表示的是环境保护使用期限，只要遵守与本产品有关的安全和使用上的注意事项，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。

产品中有毒有害物质或元素名称及含量

| 部件名称      | 有毒有害物质或元素 |        |        |                         |            |              |
|-----------|-----------|--------|--------|-------------------------|------------|--------------|
|           | 铅 (Pb)    | 汞 (Hg) | 镉 (Cd) | 六价铬 (Cr <sup>6+</sup> ) | 多溴联苯 (PBB) | 多溴二苯醚 (PBDE) |
| 机体/箱体     | ○         | ○      | ○      | ○                       | ○          | ○            |
| 安装基板/电器部件 | ×         | ○      | ○      | ○                       | ○          | ○            |
| 塑胶结构件     | ○         | ○      | ○      | ○                       | ○          | ○            |
| 金属结构件     | ○         | ○      | ○      | ×                       | ○          | ○            |
| 线缆类       | ○         | ○      | ○      | ○                       | ○          | ○            |
| 变压器       | ○         | ○      | ○      | ○                       | ○          | ○            |
| 扬声器/传声器   | ×         | ○      | ○      | ×                       | ○          | ○            |

说明：

“○”表示该有害有毒物质在该部件所有均质材料中的含量均在 SJ/T11363-2006 标准规定的限量要求以下。

“×”表示有害有毒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：“×”为在现有技术下还没有可替代的物质。

感谢您使用我司的音响产品，我们将以“高品质、高品位、高技术”的企业理念，以精美的工艺、经典的电路、高新的科技、稳定的质量、一流的品质、一流的服务，为广大消费者提供我们稳定、可靠、耐用、好听的音响科技成果！

**目录：**

重要防护措施 ..... 2

使用前须知 ..... 3

产品简介 ..... 4

功能概述 ..... 4

面板简介 ..... 5

背板简介 ..... 6

遥控器简介 ..... 7~9

音箱系统连接示意图 ..... 9

基础使用设置 ..... 10

功能介绍与设置 ..... 11~12

手机音频的无线传送 ..... 13

手机APP ..... 13

主要技术指标 ..... 14

安全防护类别: I类设备 ..... 14

本机故障及解决方法 ..... 15

保修卡 ..... 16

**备注：**

- 1. 使用前请仔细阅读本说明书；
- 2. 本公司保留说明书解释权；
- 3. 产品外观、颜色、图案以实物为准；
- 4. 阅后请与发票一并妥善保存；
- 5. 如遇产品技术或软件升级，恕不另行通知；

## 重要防护措施



### 警告

机内带电危险请勿开盖



- 为了减低触电的危险，请勿拆卸外罩(或后盖)。
- 如须维修，应请符合资格的维修人员进行维修。
- 为了避免火灾及触电危险，请勿使本机淋湿或受潮。
- 安全防护类别：I类

1. 阅读防护措施：在使用设备前，仔细阅读说明书中所有防护与操作的有关警告信息。
2. 遵循使用说明：请遵循说明书中的操作与使用信息，请勿违反使用说明操作。
3. 请把本产品置于生产厂家推荐的地方：为防止本产品倾覆，请勿用力推，及移动时突然停止。
4. 远离水与潮湿：请勿将设备放在靠近水的地方，如浴缸、脸盆、水池、洗衣机等；也不能在高温高湿环境下使用，如潮湿的地下室等。
5. 清洁：请勿用液体清洁剂和雾状清洁剂，请用干布清洁。清洁设备前请先关闭机器并断开电源。
6. 电源：电源使用请按照产品使用标示。应合理布置走线，请勿踩踏、拉扯电源线，以免造成破坏。  
特别留意插头、方便插座和设备连接处的电线。
7. 通风：本产品外壳留有通风孔,用于通风。为确保产品使用性能可靠，应避免设备过热，请勿遮挡覆盖设备。不要在类似床、沙发、地毯等物的表面使用本产品。报纸、桌布、窗帘和其他物体都可能遮住通风孔。勿将设备放在可能挡住设备通风孔的窗帘旁边。如果设备是内置式安装，如书柜或架子上，请确保有足够的通风。设备两侧、上面、后面各保持10cm (4") 的距离。设备支架或上方遮板的后边缘应距离后面板或墙壁10cm(4")，留出通风散热的空间。
8. 热力 - 使产品远离热源，如散热器、火炉等能产生热能的物体(包括功率放大器)。
9. 防止异物或液体 - 应防止物体或液体透过洞孔倒泻入机内，因为可能接触到电流或带电导致火灾或电击。本产品不能置于雨淋或水溅之处，也不能将装水容器，如花瓶等置于其上。
10. 请在未开机前连接好所有输入/输出线再开机。
11. 雷电：在打雷闪电时，需要保护设备，请将电源线拔掉，可以有效防止雷电冲击。
12. 保护：①长时间不使用本产品时，请拔下电源插头。②良好的接地可防止本机受到破坏。
13. 维修：请勿自行打开设备外壳，以免触电。在以下情况，需要维修服务，请将本机送我们当地 特约维修点进行维修。
  - a) 异物、液体进入本机内。
  - b) 设备被淋雨。
  - c) 机器操作异常。
  - d) 机器跌落或机体损坏。
14. 电池：注意环保，不要随意丢弃用过的废旧电池。
15. 关于电网电源的断开装置：本机用电源插头及器具耦合器作为断开装置。电源插头及器具耦合器应当保持能方便的操作。
16. 本产品仅适用于海拔2000m以下地区安全使用。
17. 本产品仅适用于非热带气候条件下安全使用。





# 使用前须知

## ■ 一般事项

1. 请将本机安放于通风良好的地方，两侧、上面、后面，应有10cm的自由空间便于散热。
2. 切勿在机身上使用油、化学溶剂、挥发油、油漆或杀虫剂等。
3. 切勿使本机置于潮湿，60℃以上高温，或温度极低的环境中。
4. 请避开日光直射、强磁场、高温及那些可能引起干扰的电子设备(家用电脑、传真机等)。
5. 当拔下电源插头时，请按住电源插座。
6. 切勿擅自打开机壳，以免遭到电击，涉及内部的维修，需要维修服务时，请将本机送我厂或与公司售后联系。
7. 一定要定位于表面水平且没有振动的稳定处使用，不得将任何东西置于机器上。
8. 开机或使用中如遇无音频信号输出，可掉主机电源开关，10秒钟后再打开。
9. 本机在工作时，若有雷暴发生，请拔下电源插头。

## ■ 警告

本机所用电压必须与规格相符，使用规定之外的电压，引起的火灾及其它各种事故，本公司概不负责。

## 产品简介：

本产品是一款专为高品质家庭娱乐打造的全景声影K功放。支持Dolby Atmos、DTS:X沉浸式音效；支持4K视频技术，兼容3D、Dolby Vision等视频格式；连接控制便捷，支持APP控制、蓝牙音乐传输、U盘/TF卡本地播放等；配备OSD中英文电视菜单、ETQ房间智能声学校正系统，内置无线发射；可支持5.1.4或7.1.2影院系统；内置DSP数字效果器，全新自研算法带来超KTV的体验，是一款性能强大的全聚合娱乐中心机。

## 功能概述：

- 支持DOLBY-Atmos、Dolby True-HD及向下兼容所有杜比音频解码文件；
- 支持DTS: X、DTS Master及向下兼容所有DTS音频编码文件；
- 支持Dolby Vision高清视界、HLG色彩增强技术、HDR 10全生态视频技术；
- 支持HDMI2.1高规格视频格式(需电视支持)；
- 支持HDMI 4进1出，1组同轴、1组光纤、1组模拟音频输入；
- 支持从5.0声道到7.1.2声道等多种扬声器配置；
- 智能房间声学特性扫描，房间EQ、扬声器距离、声压的自动测试及补偿，一键式操作，全自动校正，并同时支持用户手动调节；
- 中英文音视频叠加式OSD屏幕显示菜单；
- 支持手机APP操作，支持红外遥控操作；
- 支持本地音乐信息手机及电视可同步读取显示；
- 内置蓝牙音乐无线传输功能和无线发射；
- 内置U盘、TF卡本地无损音乐播放功能；
- 内置DSP数字卡拉OK效果器，九级防啸叫；
- 支持话筒和音乐的开机音量设置和最大音量设置；
- 支持HDMI eARC音频回传，HDMI CEC联机控制；
- 支持RS232集中控制器；

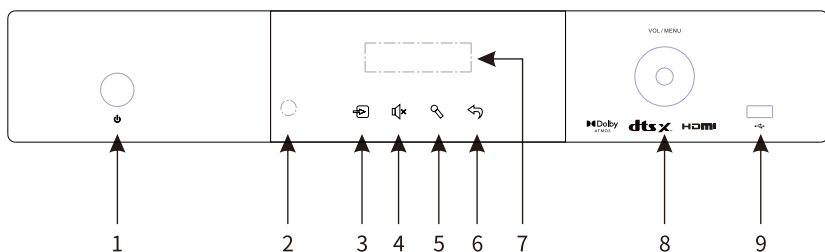


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## 面板简介：



### 1. 待机键：

开启或关闭设备；

### 2. 遥控接收窗口：

遥控接收信号窗口，前方不能有阻挡物，否则会影响遥控接收信号；

### 3. 音源选择键：

轻按此键可以选择音源；

### 4. 静音键；

### 5. 话筒音量调节键：

轻按此键后可以调节话筒音量；

### 6. 返回键；

### 7. 显示屏：

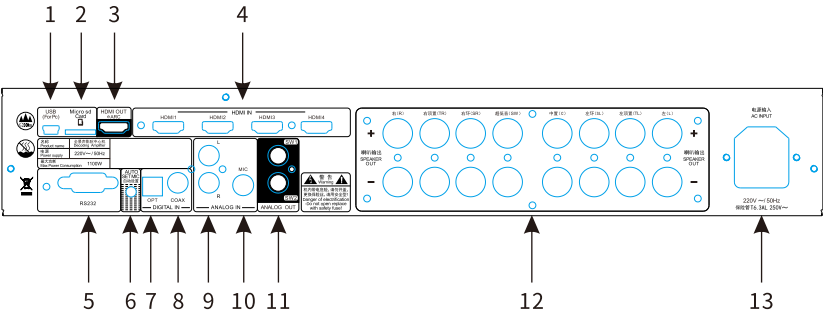
显示音源、音量等信息；

### 8. VOL/MENU(音量/菜单)键：

旋转旋钮可以调节音量大小，轻按旋钮可以进入菜单进行调节；

### 9. USB(U盘)接口。

背板简介：



1. USB(For Pc) 电脑音频输入端；

2. MICRO SD CARD：  
TF卡输入插口；

3. HDMI OUT eARC  
用于连接带有HDMI输入接口的  
显示设备，同时该接口支持eARC  
音频回传功能；

4. HDMI IN(HDMI 输入)  
四个HDMI输入口，用于连接带有  
HDMI输出的设备，如高清播放器、  
网络播放机、蓝光机等设备；

5. RS232接口 (中央控制端口)；

6. AUTO SET MIC：  
自动测试话筒插口，连接本机配套  
声场测试话筒 (ETM-3)，用于收集  
自动房间扫描获得的信息；

7. OPT光纤数字音频输入；

8. COAX同轴数字音频输入；

9. ANALOG IN L/R：  
模拟音频输入口；

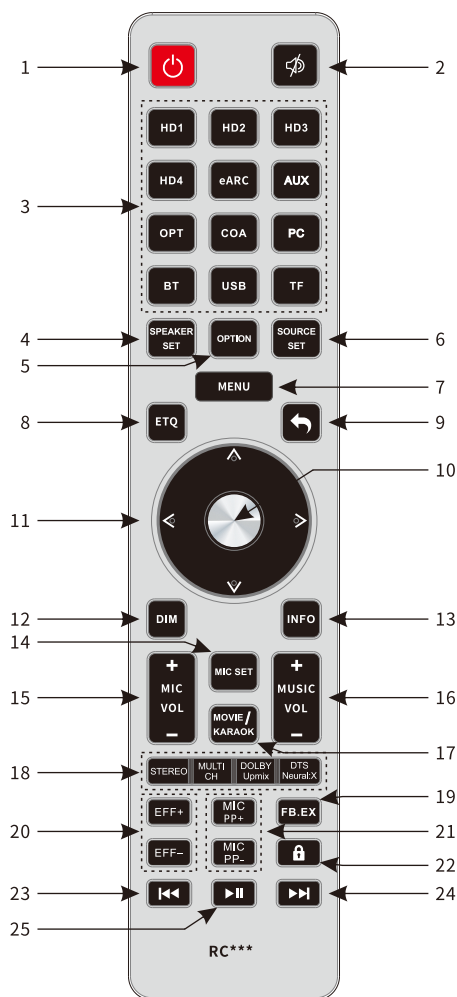
10. MIC话筒接口；

11. ANALOG OUT SW：  
有源低音炮信号输出接口；

12. 扬声器输出接口：  
用于连接对应的喇叭；

13. 电源输入 (220V~/50Hz)：  
用于设备与市电之间的连接。

## 遥控器简介：



### 1. 电源开关键：

开机时按此键进入待机状态，待机状态按此键开机；

### 2. 静音键；

### 3. 音源输入选择区：

按动该区域的键可以直接选择该键对应的音源；

### 4. 扬声器设置：

按此键可以进入扬声器设置菜单页面；

**5. 功能选项键：**

按此键可以进入功能选项菜单页面；

**6. 输入源设置键：**

按此键可以进入输入源设置页面，再用方向键切换不同的音源；

**7. 主菜单键：**

按此键可以进入主菜单页面；

**8. 声学测试键：**

按此键可以进入自动声学测试；

**9. 返回键；**

**10. 确认键；**

**11. “▲、▼、◀、▶”方向键；**

**12. 显示屏亮度调节按键；**

**13. 信息键：**

显示当前播放内容音轨信息；

**14. 话筒设置键：**

按此键可以进入卡拉OK菜单页面；

**15. 话筒音量调节键：**

可以调节话筒音量的大小，需要开启卡拉OK功能；

**16. 音乐音量调节键：**

可以调节音乐音量的大小；

**17. 卡拉OK开关切换键：**

循环按下此键，可以切换卡拉OK功能的开和关（当节目源为Dolby、DTS音轨的时候无法打开卡拉OK功能）；

**18. 音效模式选择区：**

从左到右依次为两声道、多声道、Dolby音效、DTS音效；

**19. 啸叫抑制调节键；**

**20. 话筒效果音量加减键；**

**21. 话筒模式切换键；**

**22. 锁机键：**

长按约8秒本机上锁或解除锁定；

**23. “◀”上一曲/快退复合键：**

短按该键执行上一曲功能，长按该键执行快退功能；

**24. “▶”下一曲/快进复合键：**

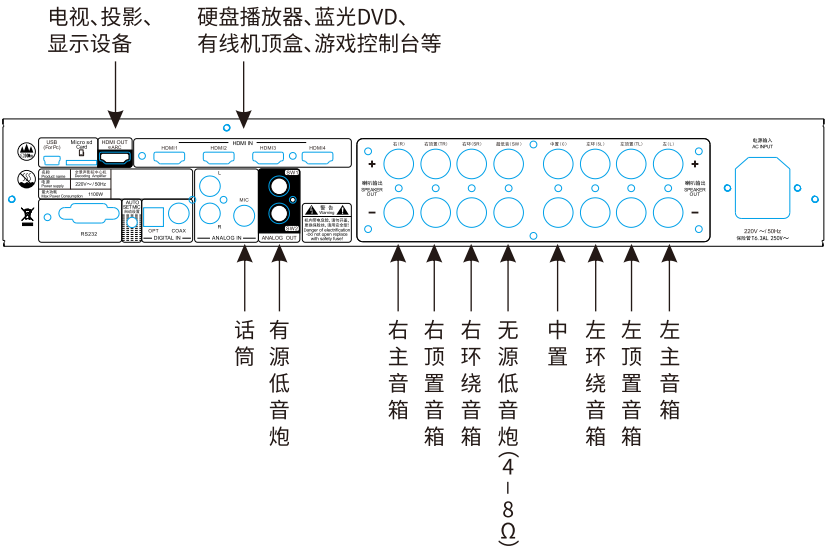
短按该键执行下一曲功能，长按该键执行快进功能；

**25. “⏸”播放/暂停键。**

遥控器注意事项：

- 1. 安装电池时, 电池的正负极务必对应, 切勿装反方向, 以免出现遥控器无效;
- 2. 新旧电池请勿混用;
- 3. 长时间不使用本机时, 请将电池取出, 以避免因电池漏液而造成损坏;
- 4. 当遥控距离缩短或接收不稳定时应更新新电池;
- 5. 请定期用软布清理遥控器上的红外线二极管及主机上的遥控信号接收窗;
- 6. 遥控器应避开潮湿、闷热、冲击及震动。

音箱系统连接示意图:



## 基础使用设置(系统初装调试指南):

### 1. 屏幕显示设置菜单语言种类选择:中文/English, 出厂默认为中文;

主菜单-系统设置-功能选项-Lanuage/语言;

### 2. 选择对应的信号源输入口:

a、按遥控器上音源输入键, 切换至接有信号的对应音源;

b、通过面板音源键操作选择;

### 3. 低音炮选择:

主菜单-系统设置-扬声器设置-自定义喇叭参数-低音炮选择-无/有(只有左右扬声器频率响应设置为全频时才能进行设置)。

### 4. 扬声器布局:

主菜单-系统设置-扬声器设置-自定义喇叭参数-扬声器布局;

根据音箱数量和低音炮数量选取扬声器布局类型;

(1) 低音炮选择“无”时: 有5.0/7.0/5.0.2/5.0.4/7.0.2五种布局类型(其中“无”只有左右扬声器频率响应设置为全频时才能设置);

(2) 低音炮选择“有”时: 5.1/7.1/5.1.2/5.1.4/7.1.2五种布局类型;

### 5. 扬声器距离(延时):

主菜单-系统设置-扬声器设置-扬声器距离, 这里设置每一个音箱到您坐位的距离, 系统内部自动换算延时;

### 6. 电平测试/补偿:

主菜单-系统设置-扬声器设置-电平测试/补偿, 测试每一个声道位置是否正确并对不同声道的音量增益进行调整, 以达到声场正确和声音均衡的音效, 系统将根据您选择的扬声器布局自动关闭不需要的声道参数调节;

### 7. 话筒开关:

a.主菜单-卡拉OK-卡拉OK开关-开(注意:该设置仅对当次有效);

b.主菜单-系统设置-输入源设置-需要设置的信号源通道-卡拉OK-开;

(注意:该设置一直生效,使用过程中,切换到该信号源通道,卡拉OK功能将自动打开)。



# 功能介绍及设置:

## 1. 音源输入:

 音源输入    

|        |            |          |
|--------|------------|----------|
| HDMI 1 | A:HDMI     | V:HDMI 1 |
| HDMI 2 | A:HDMI     | V:HDMI 2 |
| HDMI 3 | A:HDMI     | V:HDMI 3 |
| HDMI 4 | A:HDMI     | V:HDMI 4 |
| ARC    | A:HDMI ARC | V:NO     |
| OPTI   | A:OPT.1    | V:NO     |
| COAX   | A:COA.1    | V:NO     |
| AUX    | A:ANA.1    | V:NO     |

 音源输入    

☐

|        |            |          |
|--------|------------|----------|
| HDMI 4 | A:HDMI     | V:HDMI 4 |
| ARC    | A:HDMI ARC | V:NO     |
| OPTI   | A:OPT.1    | V:NO     |
| COAX   | A:COA.1    | V:NO     |
| AUX    | A:ANA.1    | V:NO     |
| BT     |            | V:NO     |
| U DISK |            | V:NO     |
| TF     |            | V:NO     |

提供所有信号输入的选择功能,并显示音视频源输入口。

## 2. 模式选择:

 模式选择    

☐

纯音

直通

两声道

多声道

Dolby 音效

DTS 音效

记忆选择

开

 模式选择    

☐

纯音

直通

两声道

多声道

Dolby 音效

DTS 音效

记忆选择

开

仅对当前输入片源进行对应的DSP音效处理,并非对所有信号源进行设置;选择模式时,如果记忆选择是“关”,那么机器重启后会恢复出厂默认选择模式;如果记忆选择是“开”,那么就会记忆你当前选择的模式,开关机不会改变。(如果卡拉OK功能开启,不能进入模式选择页面)

## 3. 参数调节:

 参数调节    

|        |                      |     |
|--------|----------------------|-----|
| 左声道音量  | <input type="text"/> | 0.0 |
| 中置音量   | <input type="text"/> | 0.0 |
| 右声道音量  | <input type="text"/> | 0.0 |
| 右环绕音量  | <input type="text"/> | 0.0 |
| 左环绕音量  | <input type="text"/> | 0.0 |
| 低音炮音量  | <input type="text"/> | 0.0 |
| 右中顶置音量 | <input type="text"/> | 0.0 |
| 左中顶置音量 | <input type="text"/> | 0.0 |

 参数调节    

☐

左声道音量

中置音量

右声道音量

右环绕音量

左环绕音量

低音炮音量

右中顶置音量

左中顶置音量

0.5

0.0

0.0

0.0

0.0

0.0

0.0

0.0

针对每个声道独立的输出电平增益调节,这里针对不同的扬声器布局,显示不同,当扬声器布局中没有的通道,显示为灰色,无法进行调节。

4. 卡拉OK：

卡拉OK

卡拉OK开关  
音量设置  
声道音量  
话筒参数  
音色调节  
话筒模式  
效果保存  
恢复出厂设置

卡拉OK

☐卡拉OK开关开  
音量设置  
声道音量  
话筒参数  
音色调节  
话筒模式  
效果保存  
恢复出厂设置

只有在卡拉OK开关“开”的状态下，光标才能移动至下面的各项功能选项中进行设置。

5. 系统设置：

系统设置

输入源设置  
音频模式  
扬声器设置  
自动声学测试  
专业声学测试  
EQ设置  
功能选项  
参数保存与恢复

系统设置

☐  
音频模式  
扬声器设置  
自动声学测试  
专业声学测试  
EQ设置  
功能选项  
参数保存与恢复  
设备信息  
软件升级  
MCU版本  
DSP版本  
OSD版本  
控制板版本  
蓝牙名称  
电视机连接  
更多信息

提供：输入源设置、音频模式、扬声器设置、自动声学测试、专业声学测试、EQ设置、功能选项、参数保存与恢复、设备信息等九项设置。

# 手机音频的无线传送：

- (1)面板或遥控器选择音频源BT；
- (2)打开手机蓝牙搜索到AVR-BT后点击配对连接，连接成功后在手机上播放歌曲即可。



# 手机APP：

为了您更好的体验本机，我们特别精心研制了与本机配套的手机APP做为无线控制，您可以通过手机完成以上所有功能的切换与操作。如果您是初次使用APP控制本机，需要执行步骤（1）、（2）、（3），之后只需执行步骤（3）就可以了：

- (1) 让本机处于正常工作状态；
- (2) 手机处于可上网的状态后扫描右侧上的二维码，扫描下载相应的APP软件并完成安装（安装完成后是黑色背景的APP）；



- (3) 打开APP软件后找到AVR-BT名称并点击连接，手机会自动切换到与本机同步的音频源，之后就可以通过手机APP控制本机了；
- (4) 更多APP使用操作详情请参考天逸官方网站，本产品下的服务与支持相关内容。

本产品规格如有变动，恕不另行通知

## 主要技术指标：

信噪比： $\geq 85\text{dB/A}$ 计权

失真度： $\text{THD} \leq 0.03\%$ /A计权(1KHz, 正常工作条件)

频率响应：20Hz-20KHz(+1/-3dB)

输出功率：110W/8 $\Omega$  (L/R声道, 1KHz,  $\text{THD}=1\%$ )

分离度： $\geq 80\text{dB}$  (L/R声道, 纯音模式)

最大功耗：1100W/8 $\Omega$

电源电压：220V~/50Hz

额定阻抗：8 $\Omega$

净重：5.5kg

毛重：7kg

机箱尺寸：431 X 270 X 69mm (宽x深x高/不含机脚, 旋钮, 接线柱)

整机尺寸：431 X 304 X 80mm (宽x深x高/含机脚, 旋钮, 接线柱)

包装尺寸：524 X 361 X 148mm

执行标准：GB4943.1, GB/T9254.1, GB17625.1

## 安全防护类别: I 类设备

1. 使用前请仔细阅读使用说明书和本安全注意事项。
2. 产品应安装在便于散热的通风干燥处, 避免水气和油烟。
3. 本机安全防护类为I类设备, 安装时电源插头可接入电压为220V~/50Hz的电网中。
4. 为防止触电, 用户切勿自行拆解机器。
5. 不宜频繁开关机, 关机后再开机应等待数分钟。
6. 本机发生故障时, 本厂实行“三包”, 用户应送指定的商家或维修部维修或送本厂修理, 用户切勿自行打开后盖检查或修理以免产生意外。
7. 本机所用的插头、电源线、保险管、电源开关、电源变压器均为安全件, 各维修部更换安全件时, 应用本厂提供图纸资料上所规定的型号、规格和定点厂家的元器件更换。

**本产品规格若有变动, 恕不另行通知**

# 本机故障的解决方法：

在与维修人员联系之前，请先按照以下表格检查问题的原因：

| 症 状           | 原 因                  | 措 施                      |
|---------------|----------------------|--------------------------|
| 屏幕无显示         | 电源线松动                | 插好电源线                    |
|               | 电源开关没有按下             | 按下电源开关                   |
| 无声音输出         | 音频连接线松动              | 重新插好连接线<br>或重启机器         |
|               | 与机器连接的设备设置不当         | 正确设置连接设备的音频<br>输入通道或重启机器 |
| 声音输出失真<br>或断续 | 音频连接线松动              | 重新插好连接线                  |
| 遥控器失灵         | 遥控器没有对准<br>机器遥控接收窗口  | 将遥控器指向机器使用               |
|               | 遥控器距离播放器太远           | 建议在7米之内使用                |
|               | 遥控器电池耗尽              | 更换电池                     |
| 面板按键失灵        | 电源波动太大或者<br>静电干扰正常操作 | 关断电源重新开机                 |
| 本地播放异常        | 缓存数据异常               | 设置-清除缓存数据                |

# 产 品 保 修 卡

|                  |            |      |    |     |  |
|------------------|------------|------|----|-----|--|
| 姓名               |            | 电话   |    | 微信  |  |
| 住址               |            |      |    |     |  |
| 购买机型             |            | 购机日期 |    | 凭据号 |  |
| 购机地点             |            |      | 机号 |     |  |
| 维<br>修<br>记<br>录 | 对产品的建议和意见： |      |    |     |  |
|                  |            |      |    |     |  |
|                  | 报修时间       |      |    |     |  |
|                  | 故障现象       |      |    |     |  |
|                  | 检修结果       |      |    |     |  |
| 维修员              |            |      |    |     |  |

# 温馨提示

## 尊敬的用户：

感谢您选购我司产品，我们将严格按照国家“新三包”规定，为您提供优质的服务，解决您的后顾之忧。

## 保修注意事项：

- 1、妥善保存保修卡、购机凭证及机器条码，产品保修时一并出示；
- 2、正常情况下，凭保修卡、购机凭证或机器条码，公司提供一年免费保修服务；
- 3、产品送修请详细填写故障现象及联系方式；
- 4、产品售后咨询微信：TYYX-01，或拨打020-34789761。

## 退换货申明：

1、按国家规定自购买之日起，7天内因质量问题可选择在原购买点退、换货；

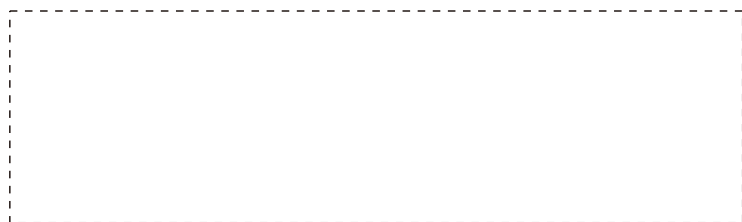
- 2、退、换产品务必保证内外包装完整、配件齐全；
- 3、退、换产品务必保证外观无划痕、磕伤及人为损坏痕迹；
- 4、退、换产品不影响二次销售。

## 以下情况不在免费保修范围内：

- 1、擅自涂改、撕毁机器的条码及串号；
- 2、用户自行拆卸、改制、修理等引起的产品损坏；
- 3、非正常使用或接入非标准电源、信号等造成产品损坏；
- 4、不可抗因素导致产品发生故障的。









| Problem                                  | Reason                                                                              | Solution                                                                                    |
|------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| No display on the screen.                | The power cord is connected loosely.                                                | Connect the power cord correctly.                                                           |
|                                          | The unit is not ON.                                                                 | Press the power button.                                                                     |
| No sound output.                         | The audio cables are connected loosely.                                             | Disconnect the audio cables and connect them correctly.                                     |
|                                          | Incorrect settings of the connected devices.                                        | Select and set the audio input channels of the connected devices. Reboot the unit if needed |
| Broken sound output or sound distortion. | The audio cables are connected loosely.                                             | Disconnect the audio cables and correctly connect them again.                               |
|                                          | Remote control is blocked or not aimed correctly.                                   | Clear the block or aim it to the IR receiving window.                                       |
| Remote control does not work.            | Too far from the unit.                                                              | Use the remote control within 7 meters.                                                     |
|                                          | The battery has run down.                                                           | Change the batteries.                                                                       |
|                                          | The current flows too much or the static electricity interrupts the normal working. | Power off the unit and power on it again.                                                   |
| Front panel button does not work.        |                                                                                     |                                                                                             |

If a problem arise, please check the possible reason shown in below chart before you contact for service:

## Problem Shooting

Specification

Model: AT-05S

SN:  $\geq 85\text{dB/A}$  Weighted

Distortion:  $\text{THD} \leq 0.03\%/A$  Weighted (1KHz, normal conditions)

Frequency response: 20Hz-20KHz(+1/-3dB)

Output power: 110W/8 $\Omega$ (L/R channels, 1 KHZ, THD=1%)

Resolution :  $\geq 80\text{dB}$ (L/R channels, pure mode)

Max. power consumption: 1100W/8 $\Omega$

Power supply voltage: 220V~ /50HZ

Rated impedance: 8 $\Omega$

Net weight: 5.5kg

Gross weight: 7kg

Chassis dimensions: 431X270X69mm(w x d x h/excluding feet, knobs, and terminals)

Overall dimensions: 431X304X80mm(w x d x h/including feet, knobs, and terminals)

Pack size: 524 X361X148mm

Execute standards: GB4943.1, GB/T9254.1, GB17625.1

Equipment Safety Standard: Class I

1. Please read the manual and safety precautions carefully before using.

2. The product should be mounted somewhere ventilated and dry for the

convenience of heat dissipation to avoid moisture and lampblack.

3. The safety standard of the machine is I; upon installation, the power plug

should be connected to 220V~ /50Hz grid.

4. Do not remove the cover during using to prevent electrocution.

5. Do not frequently turn it on or off. Wait a few minutes before turning it on again.

6. When the equipment fails, contact with the product managers where you buy this

machine for internal maintenance. To avoid accident, do not open the rear cover for

inspection or repair.

7. The plugs, power lines, fuses, power switch, and transformer used on the

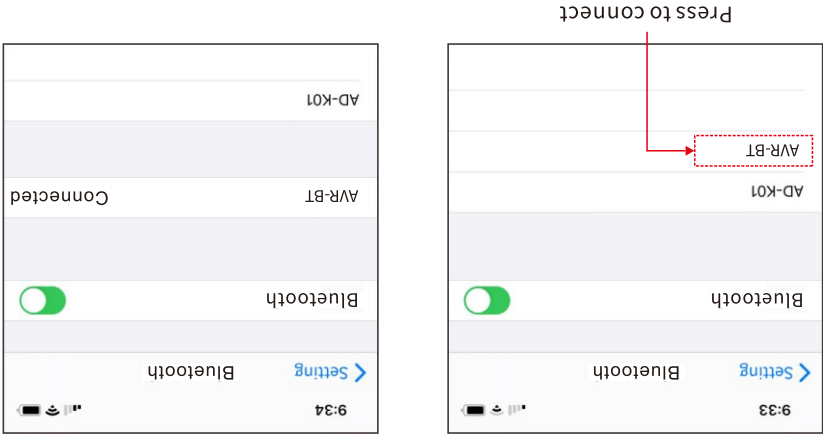
equipment are all safety parts. Upon change of safety parts, the maintenance

department should replace them in accordance with the model and specification

specified by our company.

## Mobile Phone Bluetooth Wireless Transmission

- (1) Press SOURCE button on the front panel or remote control to select Bluetooth.
- (2) Switch on Bluetooth on your mobile phone, search & pair-connect with AVR-BT, and control music playback on your mobile phone.



## Mobile Phone APP

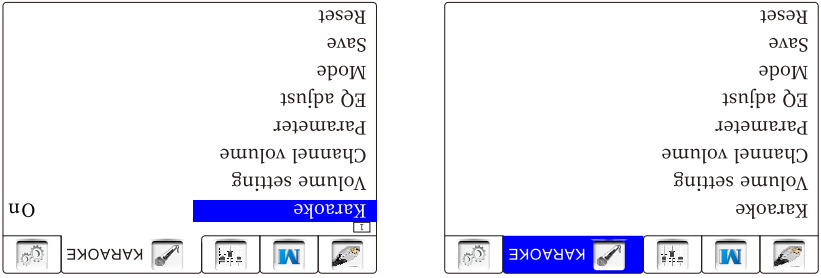
For better user experience, Tonewinner develop its own App control to match its products, user can finish all below operations and switches on phone. If you are the first time to use Tonewinner App, follow below step1, step2, step3, step4, step5. If you are not the first time use Tonewinner App, follow step5.



- (1) Keep your phone on normal working status.
- (2) Keep your phone with internet access, scan the QR cord here, download the App and install it.
- (3) Turn on the Tonewinner App, and find AVR-BT to pair it. Then the phone will switch to same source as amplifier automatically, and you can control the amplifier on phone.
- (4) For more App control, please check product details on Tonewinner's website [www.tonewinner.com](http://www.tonewinner.com)

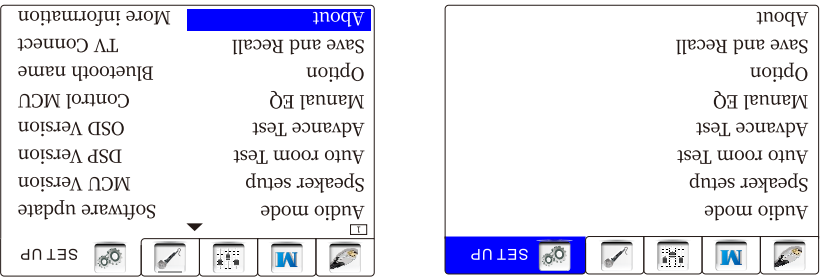
**Product specifications are subject to change without prior notice.**

4. Karaoke



Only when Karaoke switch is ON, cursor can move to each function to adjust.

5. System setup



It has 9 settings of input source setup, audio mode, speaker setup, auto acoustic testing, professional acoustic testing, EQ setup, functional option, parameters save and restore, and device info.

# Speaker system connections

## 1. Signal source



**SOURCE**

A:HDMI 1

A:HDMI 2

A:HDMI 3

A:HDMI 4

A:HDMI ARC

A:OPT1

A:COA1

A:ANA1

AUX

BT

U DISK

TF

HDMI 4

A:HDMI 4

A:HDMI ARC

V:HDMI 2

V:HDMI 3

V:HDMI 4

A:COA1

V:NO

A:ANA1

V:NO

AUX

V:NO

BT

V:NO

U DISK

V:NO

TF

V:NO

It offers all the signal inputs for selection, and display the input ports for both video and audio.

## 2. Mode selection



**MODE**

Pure

Direct

Stereo

Multi CH

DTS Neural:x

Dolby Upmix

DTS Neural:x

Remember

☐

Remember

Pure

Direct

Stereo

Multi CH

DTS Neural:x

Dolby Upmix

DTS Neural:x

Remember

ON

It only applies relative DSP processing to the current input source instead of all input sources. When you select mode, if the memory switch is OFF, the unit will return to factory default mode after reboot. If the memory switch is ON, the unit will remember the model you select and will not change after reboot. (If Karaoke is ON, this function page is not valid.)

## 3. Parameters



**PARAMETER**

L Vol Trim

C Vol Trim

R Vol Trim

Rs Vol Trim

Ls Vol Trim

SW Vol Trim

Rtm Vol Trim

Ltm Vol Trim

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

L Vol Trim

C Vol Trim

R Vol Trim

Rs Vol Trim

Ls Vol Trim

SW Vol Trim

Rtm Vol Trim

Ltm Vol Trim

0.0

0.0

0.0

0.0

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0.0

For adjustment the output level gain for each independent channel. For different speaker configuration, display is different. When there is no channel in speaker configuration, it is gray and not valid for adjustment.

# Basic usages setup (First time installation and setup instruction)

1. OSD setup menu language selections: English/Chinese.  
Main menu--system setting--function option--language/语言.

## 2. Select relative signal source input:

- (1) press the source key on remote, switch to the channel with audio signal.
- (2) select source on front panel source key.

## 3. Subwoofer selection:

Main menu--System setup--Speaker setup--self defined speaker parameter--Subwoofer selection--No sub/Sub. Note: this work only when left and right speaker frequency response is set as full frequency.

## 4. Speaker configurations:

Main menu--system setting--speaker setting--self defined speaker parameter--speaker configuration. Choose speaker configuration according to your speaker quantity.  
(1) subwoofer "no sub", you can choose 5 different configurations of 5.0/7.0/5.0.2/5.0.4/7.0.2. Note: this work only when left and right speaker frequency response is set as full frequency.  
(2) subwoofer "sub", you can choose 5 different configurations of 5.1/7.1/5.1.2/5.1.4/7.1.2.

## 5. Speaker distance(delay):

Main menu--system setting--speaker setting--speaker distance. To adjust your distance to each speaker, the system will adjust delay time automatically.

## 6. Level test/compensation:

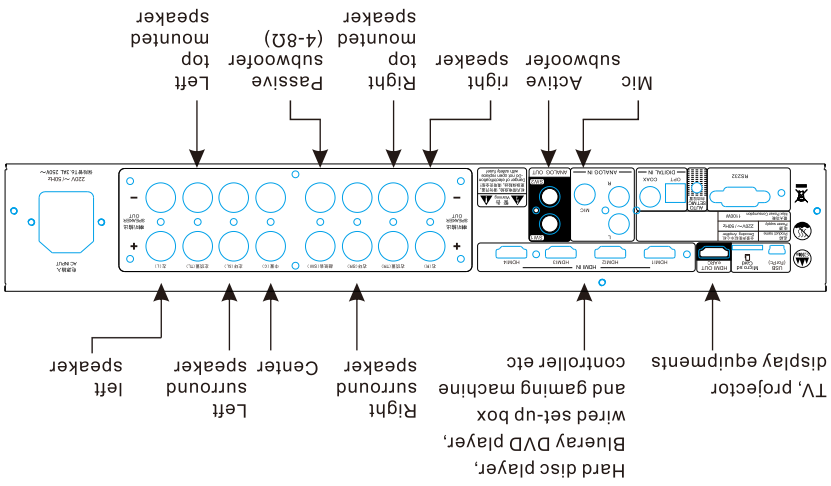
Main menu--system setting--speaker setting--level test/compensation. To test the position of each speaker to see if it is correct, and adjust volume gain of different channels to create correct sound field, balance sound effects. System will close the unnecessary channel adjustments base on your speaker configuration.

## 7. Microphone switch:

- (1) Main menu--Karaoke--Karaoke switch--ON (Note: this setting only valid for one time)
- (2) Main menu--system setting--input source setting--the channel need set up--Karaoke----ON (Note: this set up valid all the time. During usage, switch to this signal channel, Karaoke will turn on automatically).



# Speaker system connections

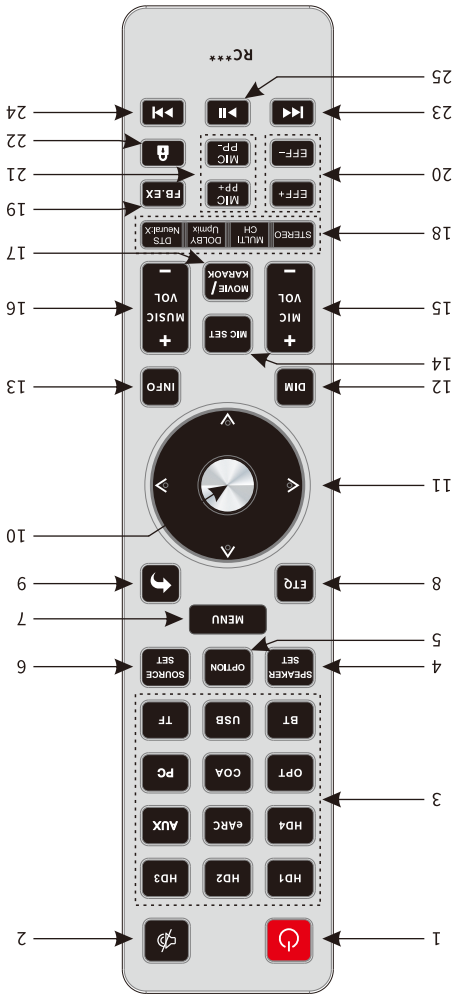


1. Please make sure to put the positive and negative ends of batteries correctly.
2. Please don't mix-use old & new batteries.
3. Please take out all batteries if the remote is not in use for a long time to avoid damage caused by battery leakage.
4. Please replace the batteries when the effective range of the remote is reducing or the signal transmission is not stable.
5. Please use soft cloth to regularly clear the IR diode on the remote and the remote control sensor on the front panel.
6. Please don't put the remote in a moist or sultry place and avoid hitting and shaking.

## Notices for remote control

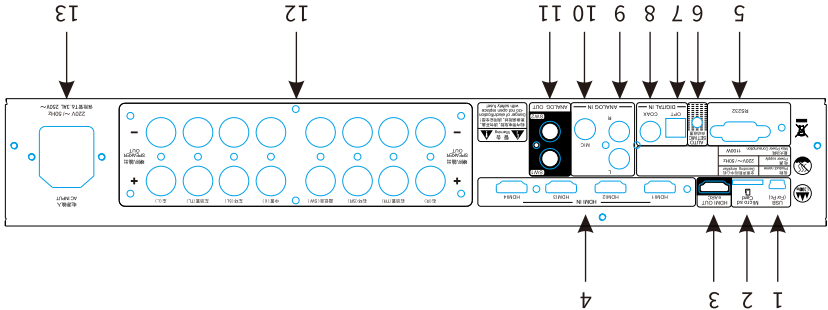
8. **Acoustic testing key:** Press it to go to auto acoustic sound tests.
9. **Return.**
10. **Confirmation key.**
11. **"▲、▼、►、◄" Navigation keys.**
12. **Dim adjusting key for display screen.**
13. **Information key:** To display the current playing information.
14. **Microphone setting key:** Press it to go into Karaoke menu interface.
15. **Microphone volume adjusting key:** To adjust the volume of microphone. Need to turn on Karaoke function.
16. **Music volume adjusting key:** To adjust the volume of music.
17. **Karaoke ON/OFF key:** Press to turn on or turn off Karaoke function. Note, when source is Dolby, DTS audio track, Karaoke function is not available.
18. **Audio sound effect mode selection:** Front left to right, there are 2ch, multi channel, Dolby, DTS.
19. **Anti howling adjusting key.**
20. **Volume adjusting key for microphone effect.**
21. **Switch key for microphone mode.**
22. **Lock key:** press about 8 seconds to lock or unlock the unit.
23. **"K" Last/fast backward.**
24. **"M" Next/fast forward.**
25. **"H" Play/Pause.**

# Remote Control



- 1. Power key:** When unit is ON, press it to STANDBY. When unit is STANDBY, press it to ON.
- 2. Mute key.**
- 3. Source input key:** Press it to select input source.
- 4. Speaker setting key:** Press it to speaker setting menu interface.
- 5. Function selection key:** Press it to go into menu interface.
- 6. Input selection key:** Press it to go input menu setting interface, can select different input source.
- 7. Main menu key:** Press it to go to main menu interface.

Rear Panel



1. USB for computer.

2. MICRO SD CARD:  
For TF card input.

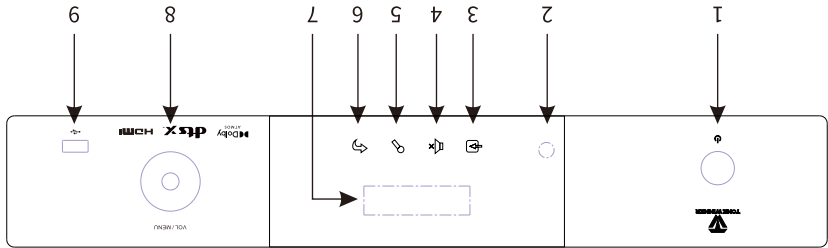
3. HDMI OUT eARC:  
For connecting equipment with  
HDMI input port, and support eARC  
audio playback function.

4. HDMI IN:  
4 HDMI input, for connecting  
equipment with HDMI input port,  
such as HD player, network player,  
blu-ray player etc.

5. RS232 port.  
12. SPEAKER OUT ports:  
For corresponding speaker  
connection.

6. AUTO SET MIC:  
Automatic test microphone jack,  
connect to test microphone (ETM-3),  
to collect automatic rooms information  
obtained by scanning.

Front Panel



1. Standby (turn on or off)

2. Remote receiving window:  
For receiving signal that no  
object block in the front.

3. Audio source selection key:  
Press it to select audio source.

4. Mute button.

5. Microphone volume adjusting key:  
Press to adjust volume of microphone.

9. USB port.

8. VOL/MENU keys:  
Rotate to adjust volume, press  
to enter menu.

7. Display screen:  
Display information of source  
and volume etc.

6. Return.

## Product Introduction

This product is a cinema and karaoke power amplifier specially designed for high-quality home entertainment. Supports Dolby Atmos and DTS:X immersive sound effects; Supports 4K video technology and is compatible with video formats such as 3D and Dolby Vision; The connection control is convenient, supporting APP control, Bluetooth music transmission, local playback via USB flash drive /TF card, etc. Equipped with OSD TV menu in both Chinese and English, ETC intelligent room acoustic correction system, and built-in wireless transmission. The decoding speaker configuration can be extended to 7.1.2 channels. Equipped with a built-in DSP digital effector and featuring a brand-new self-developed algorithm, it offers an ultra-KTV experience. It is a powerful fully integrated entertainment center machine.

## Main Features

1. Support Dolby Atmos, Dolby True HD and all backward Dolby audio formats.
2. Support DTS:X,DTS-Master and all backward DTS audio formats.
3. Support Dolby Vision, HLG, HDR10 video signal.
4. Support HDMI2.1 (TV need to support HDMI2.1)
5. Support HDMI 4 in 1 out, 1 x coaxial, 1 x optical, 1 x analog audio input.
6. Speaker configuration from 5.0 to 7.1.2.
7. One-button simple operation for EQ room calibration and compensations of speaker distance, delay and sound pressure, automatic calibration and supports user manual adjustment.
8. Chinese/English overlay OSD menu.
9. Support App control, infrared remote and Bluetooth remote control.
10. Synchrono-reading and display of music lists on mobile phone and TV.
11. Built-in digital Bluetooth audio receiver.
12. Built-in U disk, TV card local play.
13. Built-in DSP digital Karaoke effector, 9 grade Anti-howling.
14. Support turn on volume and max. volume setting for microphone and music.
15. Support HDMI eARC audio playback, HDMI CEC control.
16. Support RS232 control.



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# Instructions Prior to Use

## ■ General matters

1. Please place the machine at the well-ventilated place with accessible space 10 cm in width at its two sides, and above and behind it.
2. Don't apply oil, chemical solvent, volatile oil, paint or pesticide to the equipment.

3. Don't place the equipment in moist environment with the temperature being as high as above 60°C or extremely low.

4. Please keep the equipment away from direct exposure to sunlight, strong magnetic field, high temperature and electrical devices

(computer, fax machine, etc.) which may cause interruption.

5. Please fixate the power socket when pulling out the power plug.

6. Do not open the cabinet without professional instruction to avoid

electric shock. Contact with the product managers where you buy this machine for internal maintenance.

7. Please place the machine on flat, smooth and stable surface without

vibration. Do not put things on top of the machine.

8. If there is no sound output, please turn off the machine and turn it on

in 10 seconds.

9. Do not use the machine during a flashing lighting or thunderstorm. Pull

out the plug for safety.

## ■ Warning

The voltage used for the machine must be consistent with that in the specifications. We assume no responsibilities for fires or other accidents due to the wrong use against the scope as specified.

13. Maintenance: do not open the cabinet without professional instruction to avoid electric shock.

Contact with the product managers where you

buy this machine in the following cases:

- (a) Unknown parts or liquid enter the machine.
- (b) The machine is soaked.
- (c) The machine works abnormally.
- (d) Machine falling or damage.

14. Battery: for environment protection, please

dispose batteries in appropriate ways.

15. Disconnection device of main power supply:

this machine use power plug and coupler as the disconnecting devices. Power plug and coupler should be easily operated.

16. This product is only suitable for safe use in altitude below 2000m.



17. This product is not suitable to be used in

tropical climates.





# Important Protective Measures for Attention

To reduce risk of electric shock, do not remove the outer cover (or rear panel).

For maintenance, it should be carried out by qualified maintenance people.

To avoid fire and electric shock hazards, do not get the unit wet or damp.

Equipment safety standard : Class I



1. Read the protective measures: read all warning messages about protection and operation in the instructions carefully before using the equipment.

2. Follow instructions: please follow the instructions and do not violate the instructions.

3. Place the product on where manufacturer recommends: to avoid overturning, do not push too hard or suddenly stop when moving.

4. Keep away from water and moisture: do not place equipment near water such as bathtub, basin, sink, washing machine, etc. Do not use equipment at high temperatures or high humidity environment, such as a damp basement.

5. Cleaning: do not use liquid or mist cleaners. Please use dry cloth to clean. Turn off the machine and power off before cleaning the equipment.

6. Power supply: use the power supply according to marks and tags. Connect and place the wires properly. Do not step on wires to avoid damage. Pay special attention to wires to plugs, receptacles and connecting ports.

7. Ventilation: the cabinet of equipment is designed with venting holes. To ensure reliable performance, please avoid overheating and do not cover the equipment. Do not use the equipment on beds, sofas, carpets etc.

12. Protections: unplugging the machine when you do not use it for long period. Good grounding can prevent the machine from being damaged.

11. Thunder and lightning: unplugging the power cable in thunder and lightning weather because it can effectively prevent lightning impulses to protect the equipment.

10. Please connect well all input/output wires before switching on.

9. Prevent unknown objects or liquids - objects or liquids should be prevented from falling through the holes into the equipment, because it might cause fire or electric shock. Do not place the equipment in rain or water splashing place. Do not put water containers such as vases on top of it.

8. Keep away from heat: do not put that machine near heat sources, such as radiators, stoves and other objects that generate heat (including power amplifiers).

Newspapers, tablecloths, curtains, and other objects may block venting holes. Do not put the equipment close to window curtains. If it is put in devices such as bookcase and rack, please pay attention to the ventilation and cooling. Keep a distance of 10cm (4") on left, right, top and rear sides. Equipment bracket or rear of top cover should have a distance of 10 cm (4 ") to rear panel or the wall, to keep venting space.

Thank you for using our audio products. With the philosophy of “high technology, high quality and high taste”, we make products with durable materials, exquisite technique, rigorous circuit & advanced technology and offer professional service!

## Contents

|                                                   |       |
|---------------------------------------------------|-------|
| Important Protective Measures for Attention-----  | 2~3   |
| Instructions Prior to Use-----                    | 4     |
| Product Introduction-----                         | 5     |
| Main Features-----                                | 6     |
| Front Panel-----                                  | 7     |
| Rear Panel-----                                   | 8~9   |
| Remote Control-----                               | 10    |
| Speaker system connections-----                   | 11    |
| Basic usages setup-----                           | 12~13 |
| Mobile Phone Bluetooth Wireless Transmission----- | 14    |
| Mobile Phone App-----                             | 15    |
| Specification-----                                | 16    |
| Equipment Safety Standard-----                    | 17    |
| Problem Shooting-----                             | 18    |

## Notice

1. Read the user manual carefully before you use the product.
2. Design, color and images will be dependent on the actual product.
3. The product or software might upgrade slightly without further notice.

# Packing List

| NO. | Item                         | Quantity |
|-----|------------------------------|----------|
| 1   | User manual                  | 1 pcs    |
| 2   | Power cord                   | 1 pcs    |
| 3   | HDMI cable                   | 1 pcs    |
| 4   | Certificate of qualification | 1 pcs    |
| 5   | Remote                       | 1 pcs    |

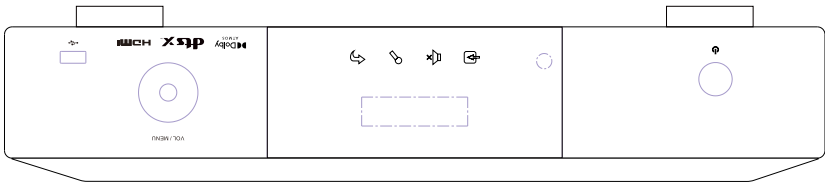


The symbol indicates that the product can be reused. The figure indicates the term of service of environmental protection. The product will not cause environmental pollution or affect human body and property within the term of service expressed by the figure since the date of manufacture as long as the safety and operating precautions on the product are obeyed.

Name and Content of Toxic or Harmful Substance or Element in the Product

| Toxic or Harmful Substance or Element |              |              |                             |                      |                              | Name of Parts                       |
|---------------------------------------|--------------|--------------|-----------------------------|----------------------|------------------------------|-------------------------------------|
| Lead (Pb)                             | Mercury (Hg) | Cadmium (Cd) | Hexavalent chromium (Cr 6+) | Polybrominated (PBB) | Biphenyls polyphenyls (PBDE) |                                     |
| ○                                     | ○            | ○            | ○                           | ○                    | ○                            | Body/Box                            |
| ×                                     | ○            | ○            | ○                           | ○                    | ○                            | Equipped Baseplate/ Electrical Part |
| ○                                     | ○            | ○            | ○                           | ○                    | ○                            | Plastic Structural Member           |
| ○                                     | ○            | ○            | ×                           | ○                    | ○                            | Metallic Structural Member          |
| ○                                     | ○            | ○            | ○                           | ○                    | ○                            | Cable                               |
| ○                                     | ○            | ○            | ○                           | ○                    | ○                            | Transformer                         |
| ×                                     | ○            | ○            | ○                           | ○                    | ○                            | Loudsp-eaker/ Microphone            |

Marks:  
○ "means the content of the hazardous toxic substance is lower than SJ/T11363-2006 standard required.  
× "means in a homogeneous material of the component the content of the hazardous toxic substance is higher than SJ/T11363-2006 standard required.  
Note: "×" as there are no substitutable substances under the existing technology



# Dolby Atmos Living Room Cinema & Karaoke Amplifier

ISO9001 Certified Enterprise