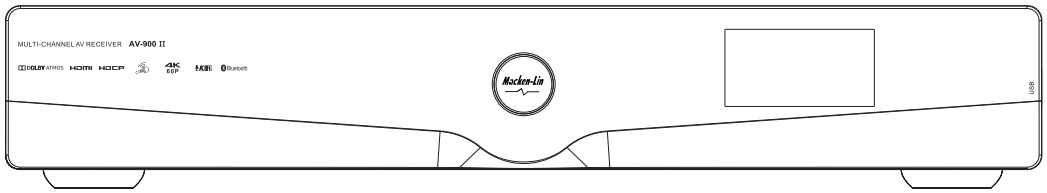
MULTI-CHANNEL AV RECEIVER
Model: AV-900II

User's Manual



PLEASE READ THIS MANUAL CAREFULLY BEFORE OPERATION
AND KEEP IT FOR FUTURE REFERENCE

Warranty Policy and Customer Service Information

Thank you for purchasing Macken-Lin products. If a product quality issue occurs within 12 months from the date of purchase, you are eligible for the company's warranty service.

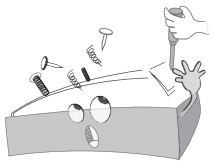
NOTES:

1. A valid proof of purchase must be issued by the seller when purchasing.
2. The warranty card and proof of purchase should be properly kept by the user and cannot be lost.
no repeat issuing if lost.
3. if the product appear for the causes of failure, the user can use the warranty card and purchase certificate

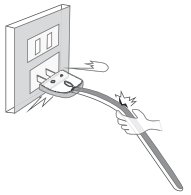
Non-warranty Situation:During the user's operation, those that meet one of the following conditions are not covered by the warranty.

1. The warranty period is exceeded.
2. Damage caused by failure to use in accordance with the
requirements in the user's instruction manual.
3. Damage caused by human factors.
4. Failures caused by unauthorized disassembling, repair, and modification of products.
5. Damage caused by force majeure factors (such as floods,
earthquakes, lightning, etc.).
6. No warranty card, invoice or warranty card does not match the invoice information.
7. The product wears out naturally.
8.Failure and damage caused by other non-product quality problems.

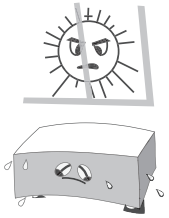
Safety Precautions



Do not open the casing



Attention the power cord



Avoid High Temperatures

1.Opening it risks electric shock. Keep needle, coins, and other metal objects out .

2.When unplugging, grip the plug never yank the cord. Unplug if not using for long.

3.Don’ t leave the device in direct sunlight or near heat - emitting equipment.

Notes

After unpacking, first check if the product is damaged during transportation, and verify if the accompanying accessories are complete.

Ensure this device is connected to a grounded power socket.

Ensure the power plug, appliance coupler, and other disconnecting devices are easy to operate.

Do not place any containers with liquids on this device, and keep it away from dripping or wet environments.

Usage Precautions

Danger	Warns users that there is dangerous voltage inside the product.
Caution	Reminds users that the product comes with important operating instructions.
Danger	Do not expose the device to rain or moisture, to avoid the risk of fire or electric shock.

Contents

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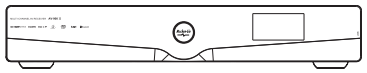
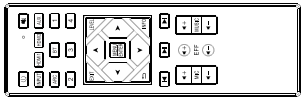
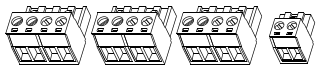
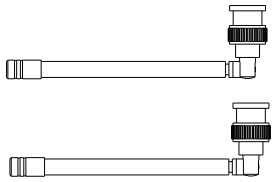
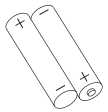
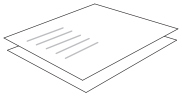
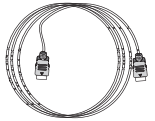
7.Menu Instructions 5

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10.About Dolby 10

I. List of Items in the Package

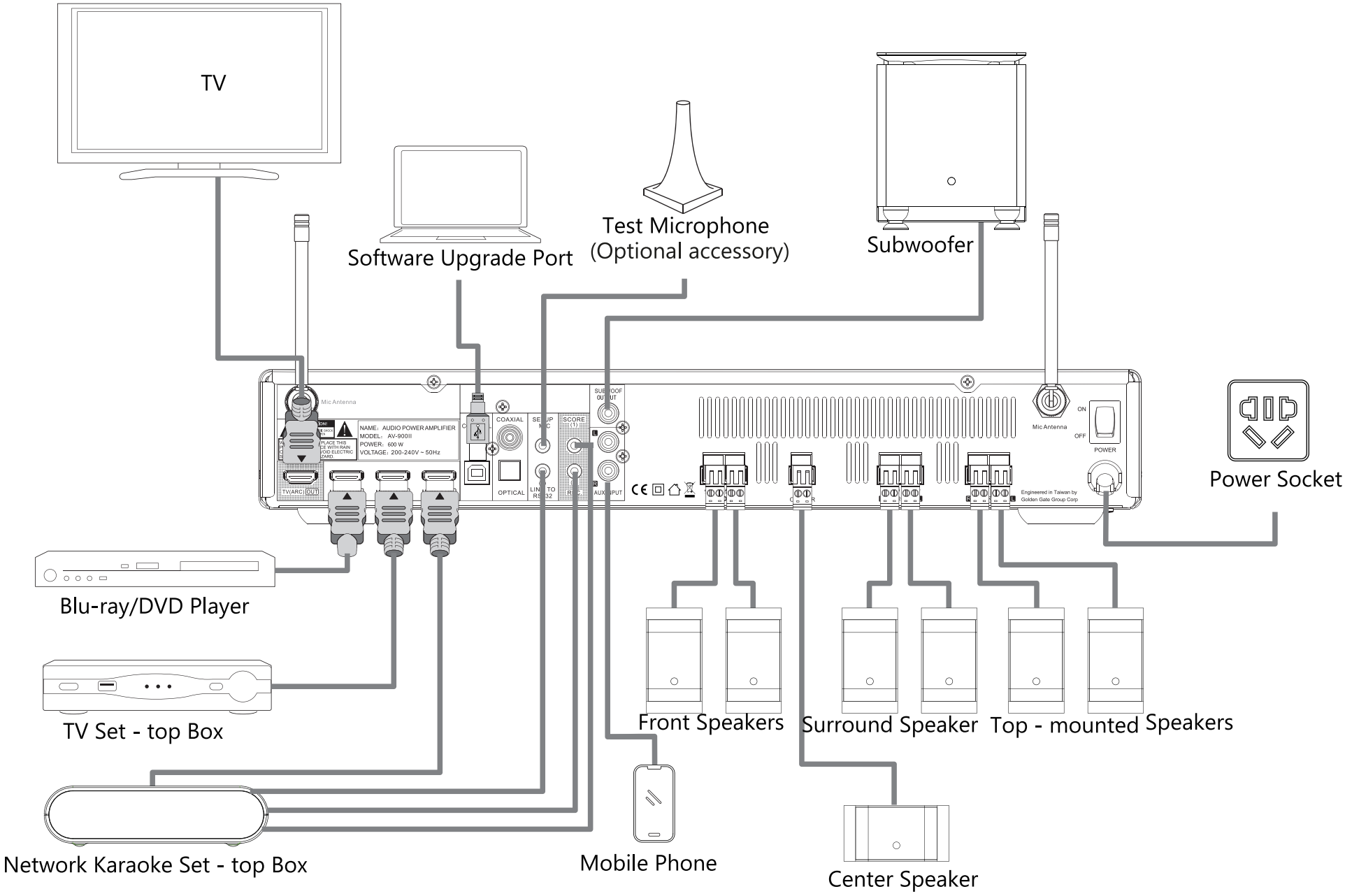
Main Unit 	Remote Control 	Amplifier Connectors 	Antennas 
AAA Batteries 	User Manual, Certificate of Conformity Warranty Card 	HDMI Cable 	

Note: The illustrations in this manual are schematic diagrams and may differ from the actual product.

II.Parameter

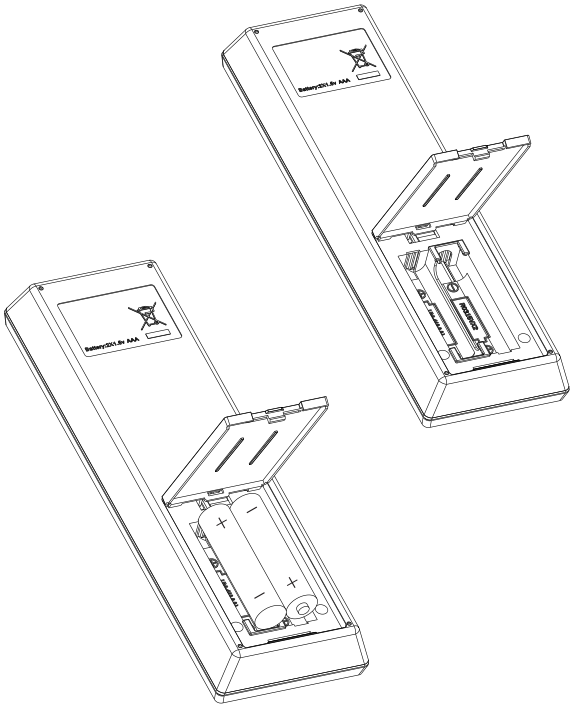
Number of Channels	7
Output Power	100W (per channel, dynamic)
Frequency Response	20Hz ~ 20kHz (0 ~ -2dB)
Distortion	< 0.03%
Noise	< -65dBu
Signal-to-Noise Ratio	⩾ 93dB
Channel Isolation	> 75dB
Input Sensitivity	0.775 Vrms (0 dBu)
Gain	28.2dB
Power - on Delay	10 ~ 15 seconds
Cooling Method	Variable - speed fan, air flows from front to rear
Power Requirement	200 - 240VAC, 50Hz
Net Weight	7.0KG
Dimensions	W430mm * D270mm * H68mm

III. Connection Diagram



IV. Simple Operation Instructions

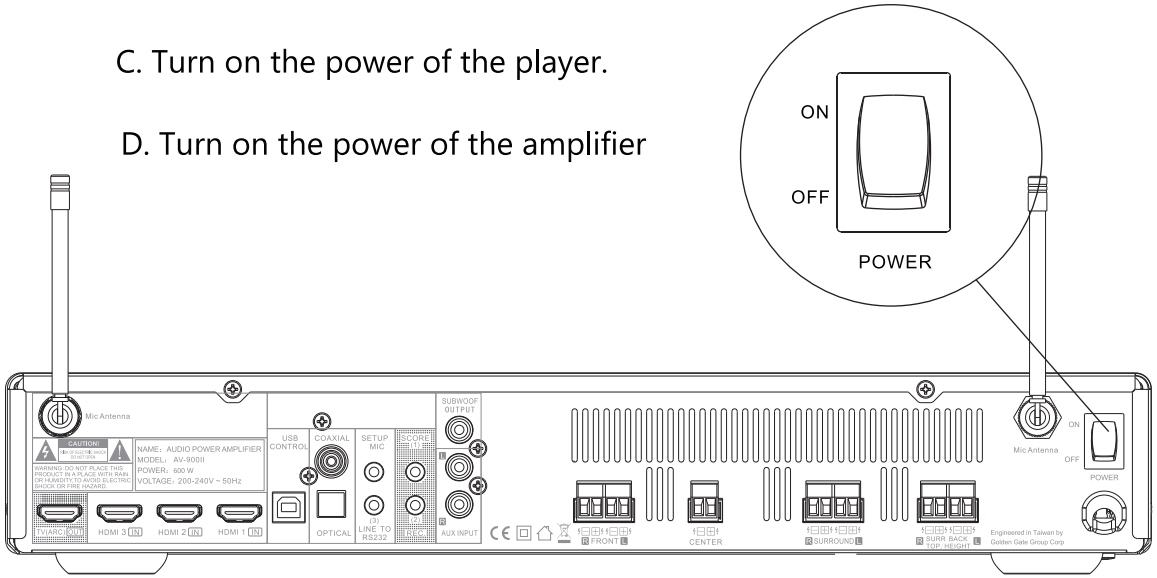
A. Install the Remote Control Batteries



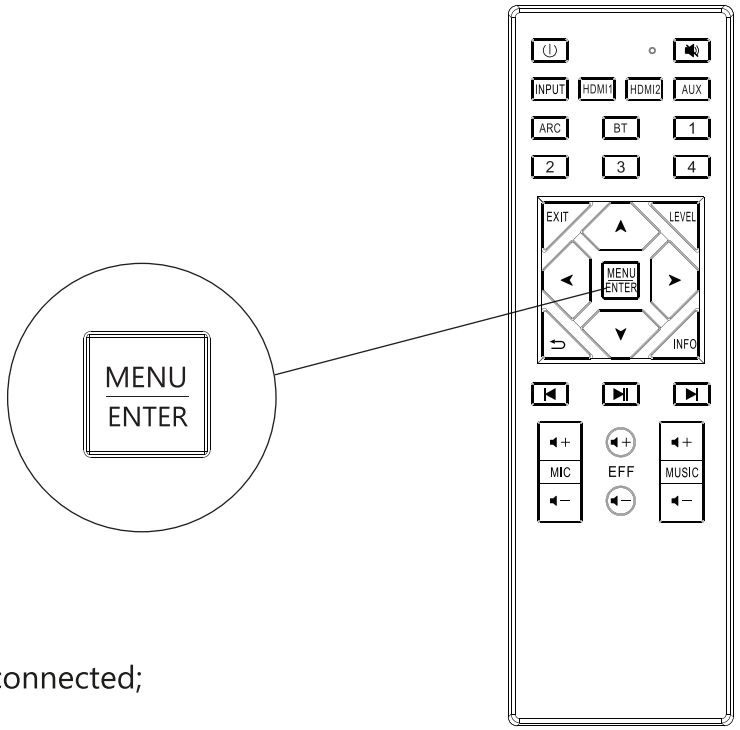
B. Turn on the TV and select the corresponding HDMI input.

C. Turn on the power of the player.

D. Turn on the power of the amplifier



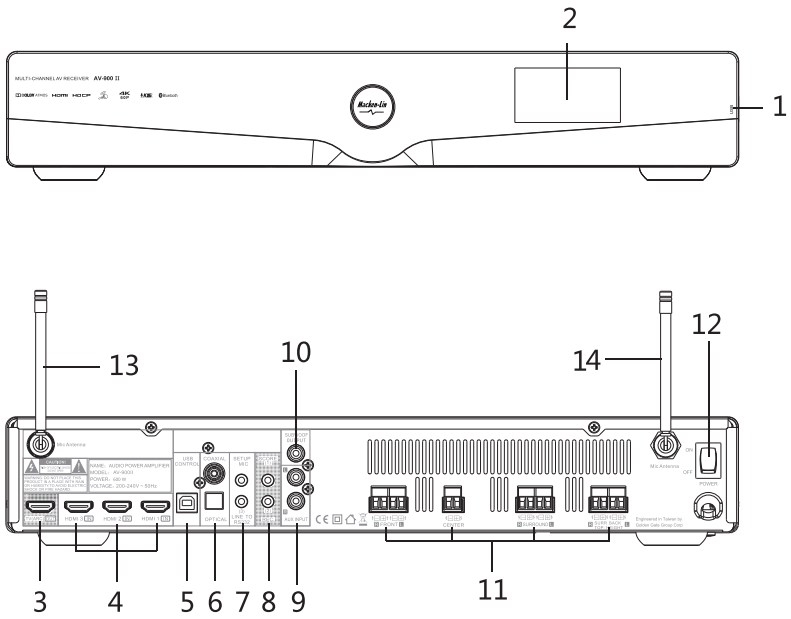
E. Speaker Device Selection: Press the Menu/Confirm button on the amplifier remote control to enter the main menu. Then, use the navigation keys to enter the Speaker Device menu. Next, select the product model corresponding to the speaker connected to the amplifier, and press the Menu/Confirm button on the amplifier remote control to confirm.



Note:

Power - on Sequence: TV → Player → Amplifier
Before powering on, ensure that all relevant devices and cables are properly connected; then power on the devices.

V. Front/Rear Function Panel Layout



1.USB Playback Port

2.LCD Display Screen

3.TV/ARC Output

4.HDMI Input Port

5.USB Debugging and Upgrade Port

6.Digital Input (Optical OPTICAL / Coaxial COAXIAL)

7.RS232 Output Port (LINE TO RS232) / Setup Microphone (SETUP MIC)

8.Recording Port (REC) / Microphone Sub - port (SCORE)

9.Analog Input (AUX)

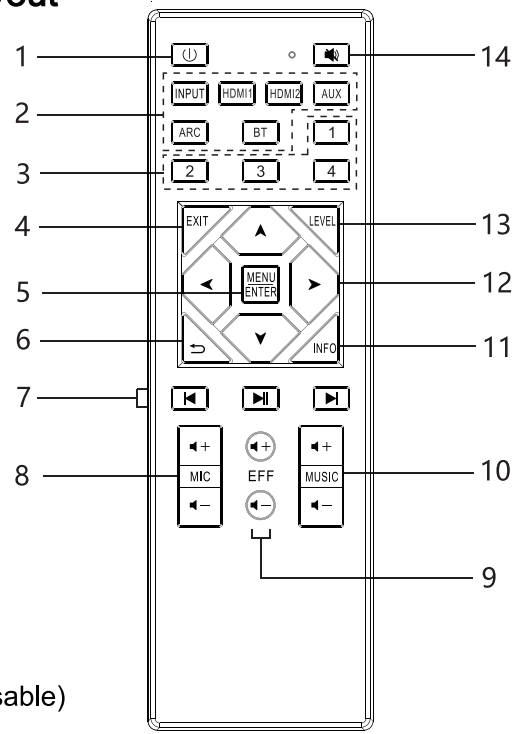
10.Subwoofer Output Port

11.Speaker Out

12.Power Switch

13, 14. Microphone Signal Receiving Antennas

VI. Remote Control Panel Layout



1.Power On and Standby

2.Input Source Selection

3.Numeric Keys (Temporarily Unusable)

4.Exit Current Menu

5.Menu/Confirm Key

6.Return Key

7.Bluetooth and USB Playback Control:

Includes playback mode selection, previous track, play/pause, next track

8.Microphone Volume Adjustment Keys

9.Microphone Effect Adjustment Keys

10.Music Volume Adjustment Keys

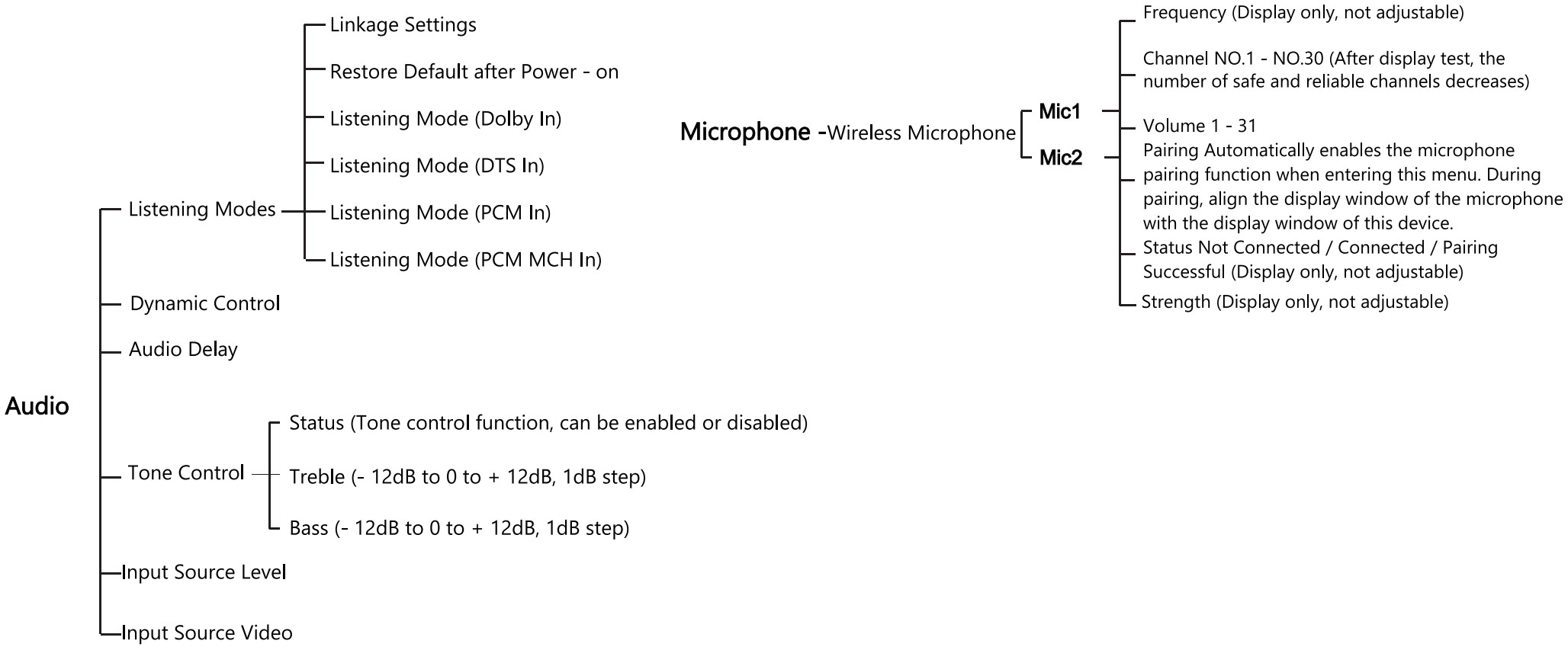
11.Input Source Information Display

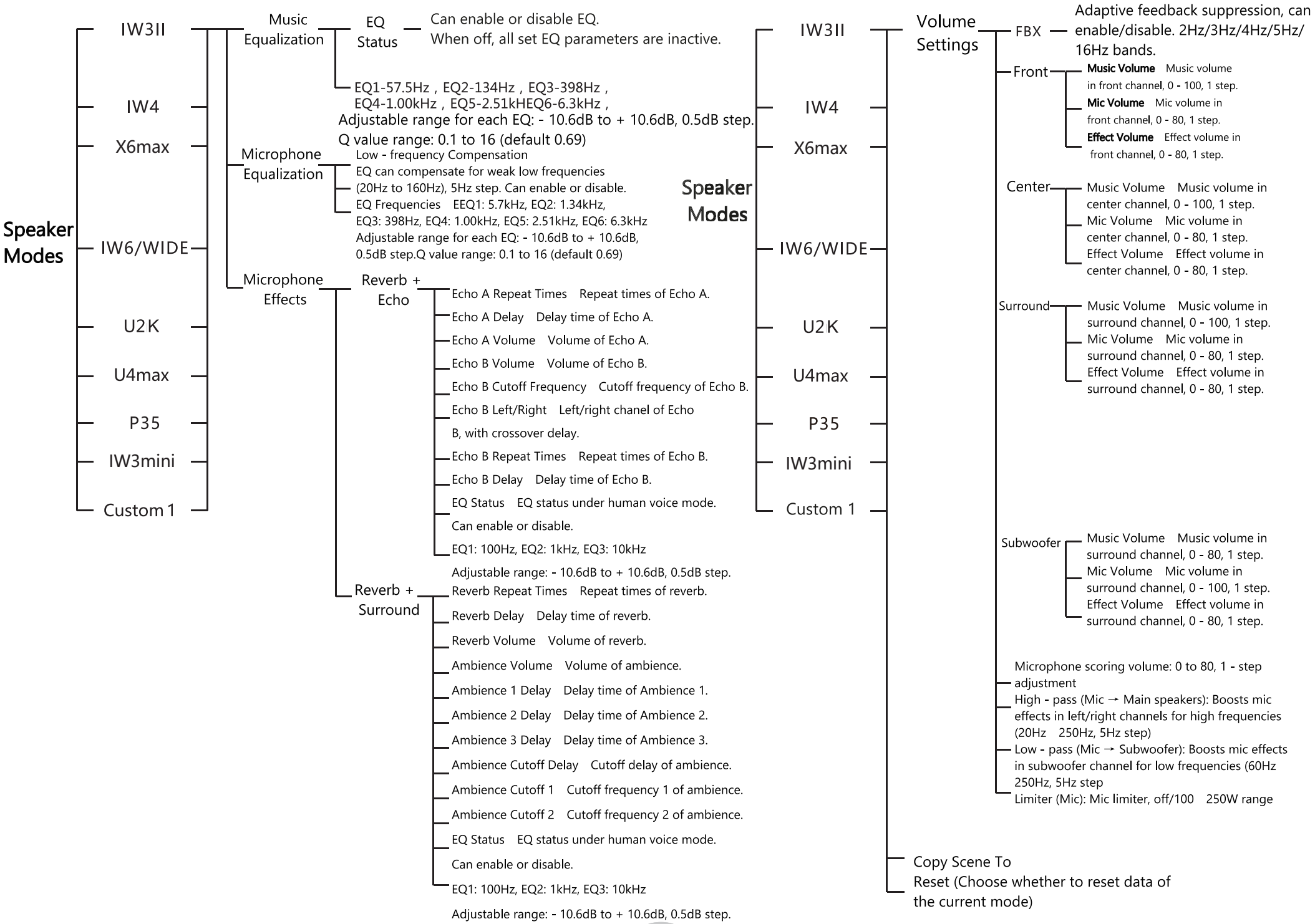
12.Menu Navigation Keys

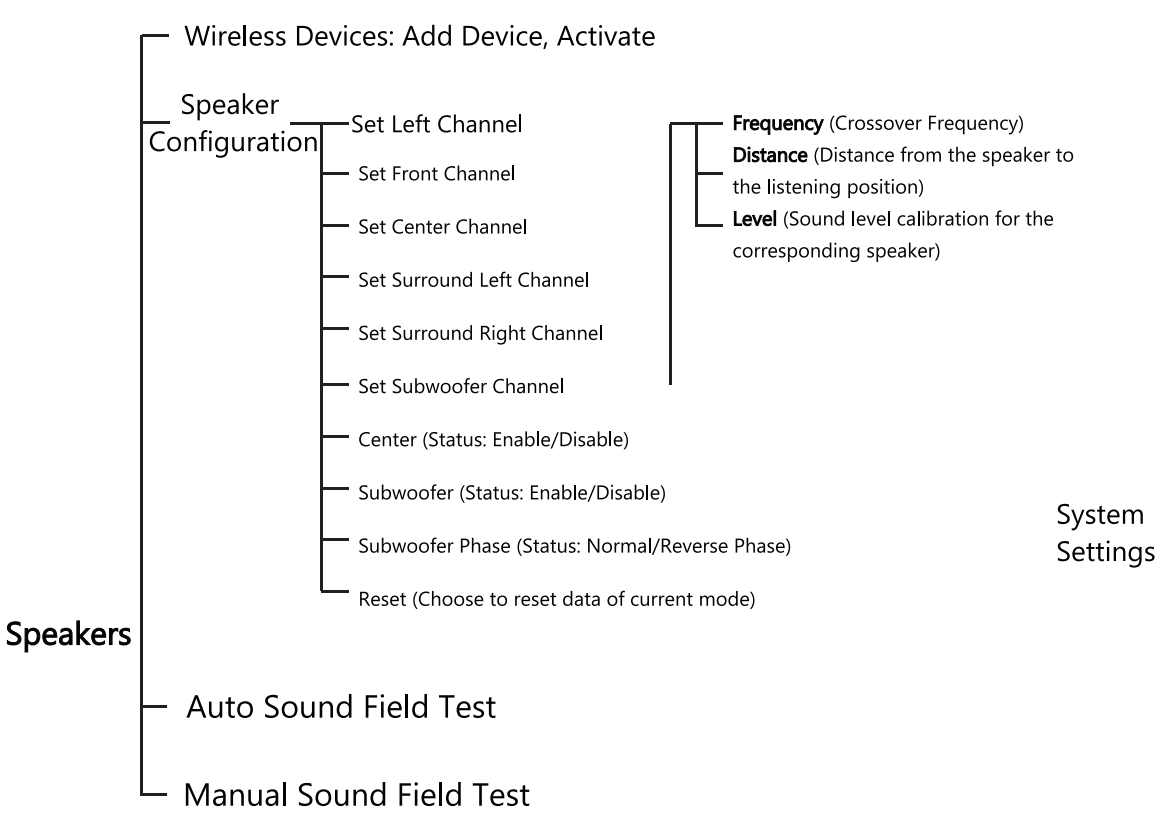
13.Channel Level Adjustment

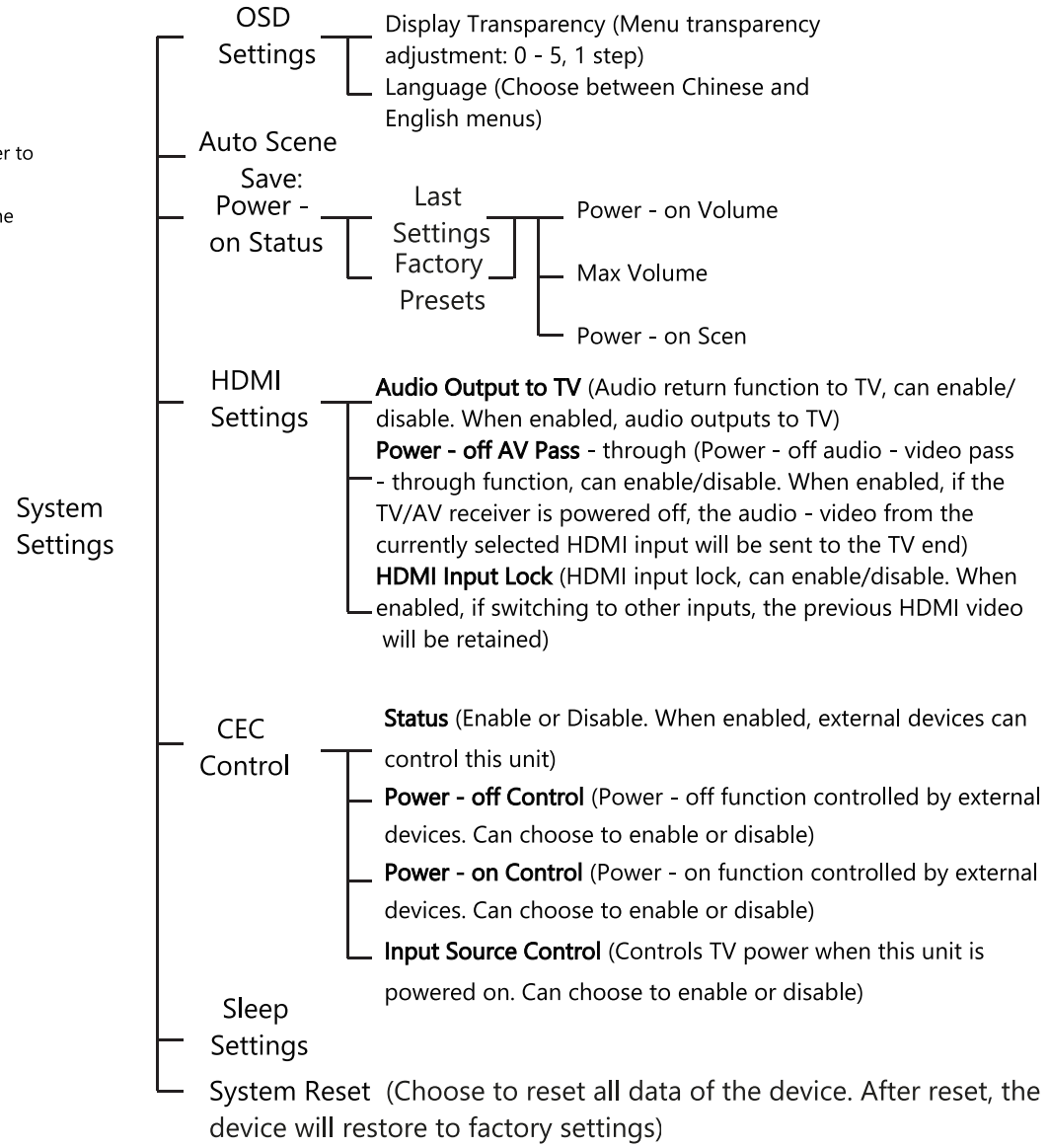
14.Mute Key

VII. Menu Instructions




Speaker Modes
IW3II
IW4
X6max
IW6/WIDE
U2K
U4max
P35
IW3mini
Custom 1
Music Equalization
EQ Status
Can enable or disable EQ.
When off, all set EQ parameters are inactive.
EQ1-57.5Hz , EQ2-134Hz , EQ3-398Hz ,
EQ4-1.00kHz , EQ5-2.51kHEQ6-6.3kHz ,
Adjustable range for each EQ: - 10.6dB to + 10.6dB, 0.5dB step.
Q value range: 0.1 to 16 (default 0.69)
Microphone Equalization
Low - frequency Compensation
EQ can compensate for weak low frequencies
(20Hz to 160Hz), 5Hz step. Can enable or disable.
EQ Frequencies EEQ1: 5.7kHz, EQ2: 1.34kHz,
EQ3: 398Hz, EQ4: 1.00kHz, EQ5: 2.51kHz, EQ6: 6.3kHz
Adjustable range for each EQ: - 10.6dB to + 10.6dB,
0.5dB step.Q value range: 0.1 to 16 (default 0.69)
Microphone Effects
Reverb + Echo
Echo A Repeat Times Repeat times of Echo A.
Echo A Delay Delay time of Echo A.
Echo A Volume Volume of Echo A.
Echo B Volume Volume of Echo B.
Echo B Cutoff Frequency Cutoff frequency of Echo B.
Echo B Left/Right Left/right chanel of Echo
B, with crossover delay.
Echo B Repeat Times Repeat times of Echo B.
Echo B Delay Delay time of Echo B.
EQ Status EQ status under human voice mode.
Can enable or disable.
EQ1: 100Hz, EQ2: 1kHz, EQ3: 10kHz
Adjustable range: - 10.6dB to + 10.6dB, 0.5dB step.
Reverb + Surround
Reverb Repeat Times Repeat times of reverb.
Reverb Delay Delay time of reverb.
Reverb Volume Volume of reverb.
Ambience Volume Volume of ambience.
Ambience 1 Delay Delay time of Ambience 1.
Ambience 2 Delay Delay time of Ambience 2.
Ambience 3 Delay Delay time of Ambience 3.
Ambience Cutoff Delay Cutoff delay of ambience.
Ambience Cutoff 1 Cutoff frequency 1 of ambience.
Ambience Cutoff 2 Cutoff frequency 2 of ambience.
EQ Status EQ status under human voice mode.
Can enable or disable.
EQ1: 100Hz, EQ2: 1kHz, EQ3: 10kHz
Adjustable range: - 10.6dB to + 10.6dB, 0.5dB step.
Speaker Modes
IW3II
IW4
X6max
IW6/WIDE
U2K
U4max
P35
IW3mini
Custom 1
Volume Settings
FBX
Adaptive feedback suppression, can enable/disable. 2Hz/3Hz/4Hz/5Hz/ 16Hz bands.
Front
Music Volume Music volume in front channel, 0 - 100, 1 step.
Mic Volume Mic volume in front channel, 0 - 80, 1 step.
Effect Volume Effect volume in front channel, 0 - 80, 1 step.
Center
Music Volume Music volume in center channel, 0 - 100, 1 step.
Mic Volume Mic volume in center channel, 0 - 80, 1 step.
Effect Volume Effect volume in center channel, 0 - 80, 1 step.
Surround
Music Volume Music volume in surround channel, 0 - 100, 1 step.
Mic Volume Mic volume in surround channel, 0 - 80, 1 step.
Effect Volume Effect volume in surround channel, 0 - 80, 1 step.
Subwoofer
Music Volume Music volume in surround channel, 0 - 80, 1 step.
Mic Volume Mic volume in surround channel, 0 - 100, 1 step.
Effect Volume Effect volume in surround channel, 0 - 80, 1 step.
Microphone scoring volume: 0 to 80, 1 - step adjustment
High - pass (Mic → Main speakers): Boosts mic effects in left/right channels for high frequencies (20Hz 250Hz, 5Hz step)
Low - pass (Mic → Subwoofer): Boosts mic effects in subwoofer channel for low frequencies (60Hz 250Hz, 5Hz step
Limiter (Mic): Mic limiter, off/100 250W range
Copy Scene To
Reset (Choose whether to reset data of the current mode)


Speakers
Wireless Devices: Add Device, Activate
Speaker Configuration
Set Left Channel
Set Front Channel
Set Center Channel
Set Surround Left Channel
Set Surround Right Channel
Set Subwoofer Channel
Center (Status: Enable/Disable)
Subwoofer (Status: Enable/Disable)
Subwoofer Phase (Status: Normal/Reverse Phase)
Reset (Choose to reset data of current mode)
Frequency (Crossover Frequency)
Distance (Distance from the speaker to the listening position)
Level (Sound level calibration for the corresponding speaker)
Auto Sound Field Test
Manual Sound Field Test


System Settings
OSD Settings
Display Transparency (Menu transparency adjustment: 0 - 5, 1 step)
Language (Choose between Chinese and English menus)
Auto Scene
Save: Power - on Status
Last Settings
Factory Presets
Power - on Volume
Max Volume
Power - on Scen
HDMI Settings
Audio Output to TV (Audio return function to TV, can enable/ disable. When enabled, audio outputs to TV)
Power - off AV Pass - through (Power - off audio - video pass - through function, can enable/disable. When enabled, if the TV/AV receiver is powered off, the audio - video from the currently selected HDMI input will be sent to the TV end)
HDMI Input Lock (HDMI input lock, can enable/disable. When enabled, if switching to other inputs, the previous HDMI video will be retained)
CEC Control
Status (Enable or Disable. When enabled, external devices can control this unit)
Power - off Control (Power - off function controlled by external devices. Can choose to enable or disable)
Power - on Control (Power - on function controlled by external devices. Can choose to enable or disable)
Input Source Control (Controls TV power when this unit is powered on. Can choose to enable or disable)
Sleep Settings
System Reset (Choose to reset all data of the device. After reset, the device will restore to factory settings)

VIII. Speaker Device Settings

You can go to " Menu" → " Speaker Device" to select a speaker device, press the confirm key to use the speaker device, or press the right direction key to enter the specific parameter settings of the selected speaker device.

This unit has 6 types of speaker modes for selection, namely " IW3II" , " IW4" , "X6max " , " IW6/WIDE" , " U2K" , " U4max " , " P35" , " IW3mini " ,"Custom 1" . Each speaker mode has a different sound style.

The parameters that can be set for each speaker device include " Music Equalization" , " Microphone Equalization" , " Microphone Effects" , and " Volume Settings" . You can modify each speaker device and enter the menu to try a sound style according to your personal listening preferences and save it.

" Music Equalization" : Adjust the frequency response curve of the input source audio signal. This equalizer is a 7 - band parametric equalizer, and the frequency points and Q values can be set.

" Microphone Equalization" : Adjust the frequency response curve of the microphone. This equalizer is a 7 - band parametric equalizer,and the frequency points and Q values can be set.

" Volume Settings" : Adjust the volume and proportion of speakers in each channel.

Listening Mode Settings

This setting can convert the input source signal into the listening mode you like. First, go to Menu → Audio → Listening Mode to select the mode you want to convert:

Source Code: According to the signal type of the input source, no conve - rsion is done.

Auto: Convert the signal of the input source to multi - channel outpu.

Dolby PLII: This mode uses Dolby PLII to extend various sound sources into natural and realistic multi - channel playback.

Stereo: This mode is used to enjoy the stereo sound output from the main channel speakers.

Settings

1. Menu Display Settings

Menu Language: " Menu" → " System" →" OSD Settings" → " Language" , available in Chinese and English.

Menu Transparency: " Menu" → " System" → " OSD Settings" →" Transparency" , selectable range 0 - 5, the higher the number, the more transparent.

2. Audio

Audio Delay SettingsThis setting can be aimed at the situation where the picture and sound are not synchronized and the audio appears before the picture. You can go to " Menu" → " Audio" → " Audio Delay" to set the delay time, in milliseconds.

3. Crossover Frequency

The crossover frequency is the boundary of the reproduction frequency between this unit and the subwoofer, ensuring that both this unit and the subwoofer work in a suitable frequency range. You can set the crossover frequency in " Menu" → " Speaker" → " Speaker Configuration" .

The default crossover frequency is " 120Hz" . If you want the subwoofer to reproduce a fuller mid - frequency, we recommend setting a higher frequency than this. The frequency part lower than the crossover frequency will be attenuated. The attenuated low - frequency content will be output from the subwoofer.

Microphone Bass Adjustment

This setting can enhance the microphone bass. Go to " Menu" → " Scene" → select the scene you want to adjust → " Volume Settings" → " Low - pass (Microphone → Subwoofer)" to set the upper limit of the microphone frequency in the subwoofer.

4. Power - on Status Settings

In " Menu" → " System" → " Power - on Status" , select " System Preset" , then you can set the power - on volume and power - on mode below. You can also select " Last Settings" in " Power - on Status" , so that the next power - on will be the same as the state before the last power - off.

5. Restore Factory Settings

" Menu" → " System" → " Restore Factory settings"

6. Input Source Level

When multiple playback devices are connected, this setting can balance the level values of different playback devices. Go to " Menu" → " Audio" → " Input Source Level" to set the level values for various input interfaces.

Important Precautions

When using this product, do not use low - quality external wired or wireless microphones. Try to choose matching devices recommended by the manufacturer. The stability and sound quality of wireless microphones are closely related to batteries. Use alkaline batteries or nickel - metal hydride rechargeable batteries from regular manufacturers. Poor - quality microphones have bad frequency response, which will seriously affect singing effects, such as dry, thin, distorted human voices and easy howling . Meanwhile, if the shielding of the microphone cable is poor, the cable is prone to induced noise, causing unnecessary noise from the speaker.

During singing, avoid howling caused by the microphone being too close to the speaker. Severe howling can easily damage the power amplifier and the speaker. To avoid howling, keep the microphone as far away from the speaker as possible. At the same time, appropriately reduce the microphone volume and attenuate the microphone treble. Do not knock the microphone or pull the microphone cable.

About Dolby

Dolby Atmos was first introduced into cinemas, bringing innovative significance in terms of dimensions and audio effects to the home theater experience. Dolby Atmos is an adaptive and highly scalable object - based format that allows audio engineers to accurately determine independent sounds (or objects) and move them dynamically throughout the three - dimensional listening space during playback. A key factor in the Dolby Atmos experience is placing sounds above the listener.

Dolby Atmos (Dolby Atmos) streamDolby Atmos content will be delivered to Dolby Atmos Enabled AV receivers via Dolby Digital Plus or Dolby TrueHD on Blu - ray discs, downloadable files, and streaming media. Dolby Atmos contains special metadata for sound positioning in the room. This object - based audio data is decoded by the Dolby Atmos AV receiver and upgraded for optimal playback through home theater speaker systems of every size and configuration.Dolby Atmos (Dolby Atmos) streamDolby Atmos content will be delivered to Dolby Atmos Enabled AV receivers via Dolby Digital Plus or Dolby TrueHD on Blu - ray discs, downloadable files, and streaming media. Dolby Atmos contains special metadata for sound positioning in the room. This object - based audio data is decoded by the Dolby Atmos AV receiver and upgraded for optimal playback through home theater speaker systems of every size and configuration.

Dolby Digital (Dolby Digital)

Dolby Digital is a multi-channel digital signal format developed by Dolby Laboratories. In total, it can play 5.1 channels: 3 front channels ("FL (Front Left)" , "FR (Front Right)", and "C (Center)"), 2 surround channels ("SL (Surround Left)" and "SR (Surround Right)"), and 1 channel for low-frequency effects ("LFE (Low - Frequency Effects)"). Because of this, there is no crosstalk between channels, so it can produce a three - dimensional sense (a sense of distance, movement, and position) of a real sound field. In this way, an amazing surround sound effect can be achieved at home.

Dolby Digital Plus (Dolby Digital Plus)

Dolby Digital Plus is an improved Dolby Digital signal format, which is compatible with up to 7.1 channels of discrete digital audio. At the same time, the sound quality is improved due to the additional data bit rate performance. This format is also backward - compatible with the traditional Dolby Digital, so there is greater flexibility in responding to input source signals and playback devices.

Dolby Surround (Dolby Surround)

Dolby Surround is the next - generation surround sound technology. This technology can intelligently mix stereo, 5.1, and 7.1 content and play it through the surround sound speaker system. Dolby Surround is compatible with traditional speaker layouts and Dolby Atmos Enabled playback systems (adsorption - type speaker products using Dolby speaker technology).

Dolby Speaker Technology (Dolby Atmos Enabled Speakers)

Using Dolby Atmos Enabled speakers instead of traditional speakers is a very advantageous choice in terms of products, which can reproduce audio on the listening plane at a high level. Dolby Atmos Enabled speakers have unique upward - firing drivers and built - in special signal processing functions of the traditional speaker or independent speaker module. They can minimize the impact on the overall speaker system layout and provide an immersive listening experience during the playback of Dolby Atmos and Dolby Surround.

Disclaimer

Due to our continuous efforts to improve product quality, we are constantly incorporating new and advanced materials, components, and manufacturing methods into our products. Therefore, we reserve the right to modify the specification descriptions at any time without further notice.

Dolby Trademark Information

Dolby ATMOS

Manufactured under license from Dolby Laboratories.Dolby, Dolby Atmos, Dolby Surround, and the double-D symbol are trademarks of Dolby Laboratories.

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E-mail:sales@tao-an.com
https://www.mackenlin.com/

保修政策和注意事项

感谢您购买 Macken-lin 产品。如果自购买之日起12个月内出现产品质量问题，您可以享受公司的保修服务。

注意：

1.购买时卖方必须出具有效的购买证明。

2.保修卡和购买凭证由用户妥善保管，不得丢失，丢失后不得重复发放。

3.如果本产品出现非人为原因造成的故障，用户可使用保修卡和购买证书在保修期内到客户服务中心进行维修。

非保修情况：

在用户操作过程中，满足以下条件之一且不在保修范围内的设备。

1.超过保修期。

2.未按照用户使用说明书的要求使用而造成的损坏。

3.人为因素造成的损害。

4.未经授权的产品拆卸、维修和修改导致的故障。

5.不可抗力因素（如洪水、地震、雷电等）造成的损害

6.无保修卡、发票或保修卡与发票信息不匹配。

7.产品自然磨损。

8.其他非产品质量问题造成的故障和损坏。

注意事项

■拆开包装箱后请先确认产品是否因运输途中受到损伤，并核对随机附件是否齐全。

■请确保本设备连接到带有接地连接的电网电源插座上。

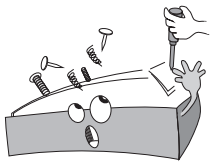
■请确保电源插头、器具耦合器等断开装置能方便操作。

■本设备上不得放置任何装有液体的器皿，不得曝露于滴水、溅水环境。

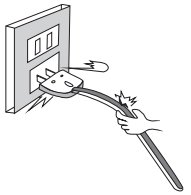
使用注意事项

危险	警告使用者，产品内部带有危险电压
注意	提示用户，产品附有重要操作说明
危险	请勿让本机受雨水或湿气影响，以免发生自燃或触电的危险。

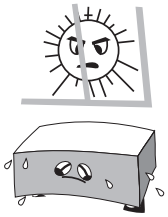
安全注意事项



请勿打开机盖



注意电源线



防止高温

1、打开机盖有可能发生触电危险！注意勿让针、硬币等金属物件进入机器内。

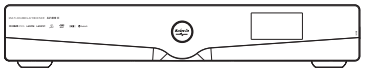
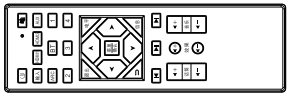
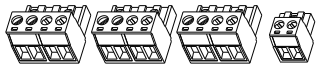
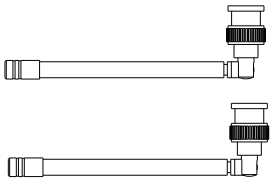
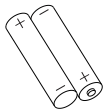
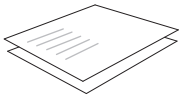
2、勿将机器放置于烈日下曝晒或靠近发热设备的位置。

3、从插座拔出电源插头时切勿拉扯电源线，应该抓住插头将其拔出。长时间不使用机器时需将电源插头拔离电源插座。

目录

1.包装盒中的物品清单..... 1
2.规格参数..... 1
3.连接图..... 2
4.简单操作说明..... 3
5.前/后功能面板分布..... 4
6.遥控器面板布局..... 4
7.菜单说明..... 5
8.音箱模式设置..... 8
9.必须注意的事项..... 9
10.关于Dolby..... 10

一、包装盒中的物品清单

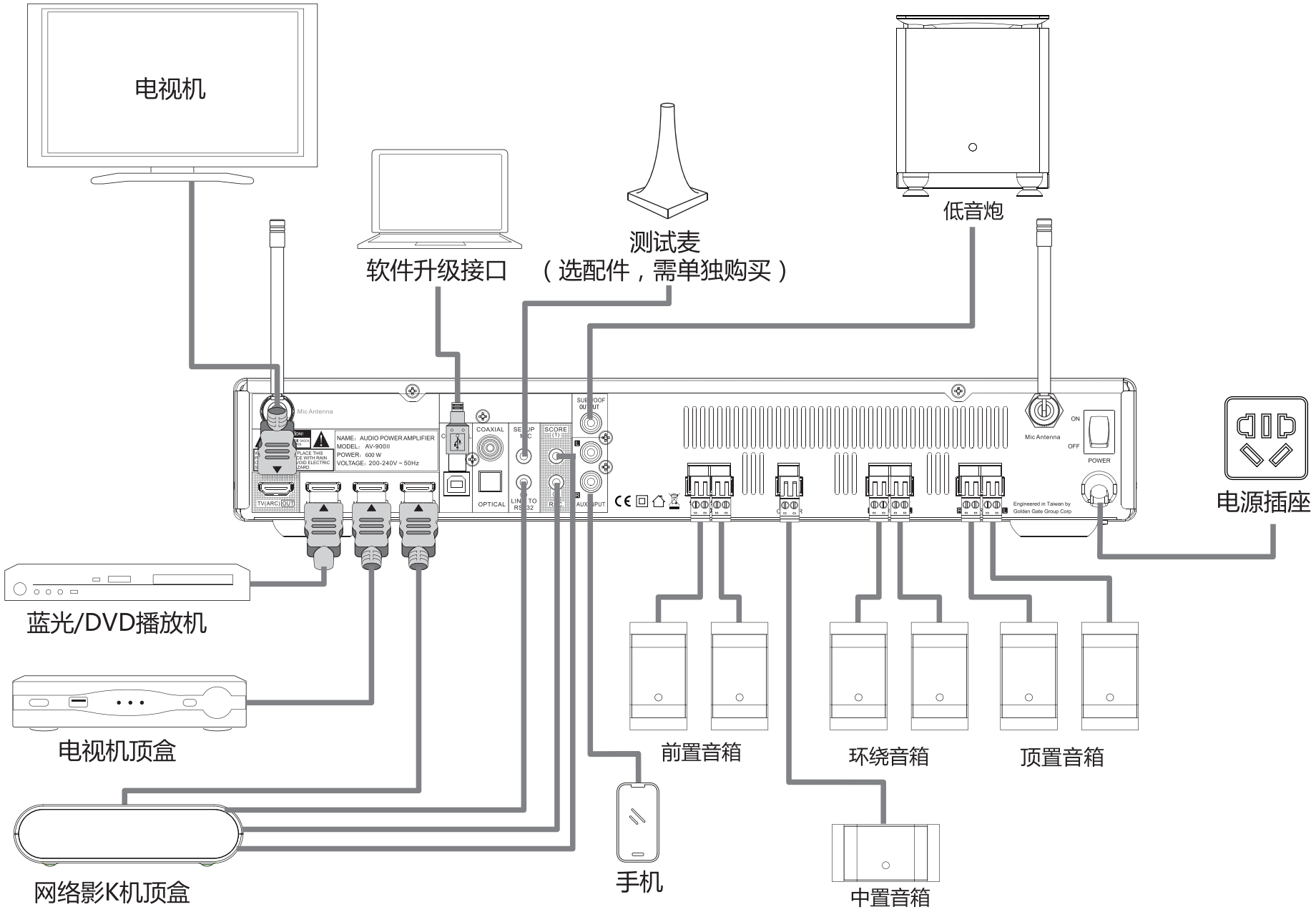
主机 	遥控器 	功放 插接件*4 	天线*2 
AAA电池*2 	说明书. 合格证. 保修卡 	HDMI线 	

请注意，本手册中的插图为示意图，可能和实物有差异。

二、规格参数

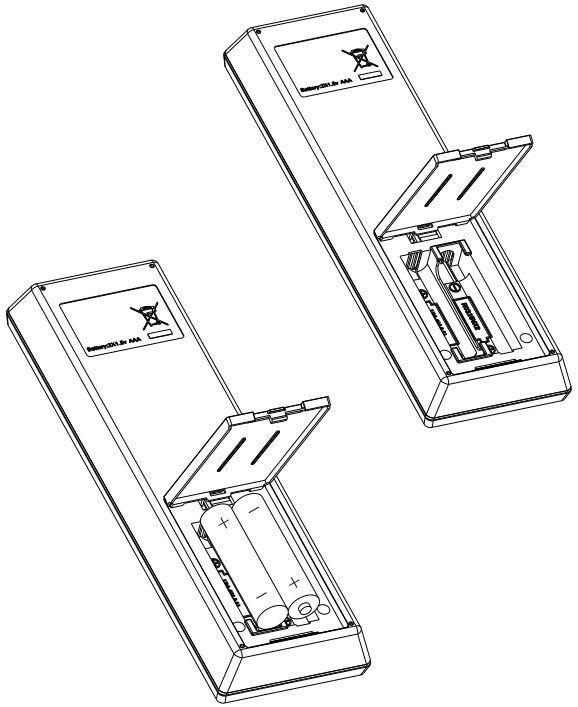
通道数量	7
输出功率	100W(每通道/动态)
频率响应	20Hz~20kHz（0~-2dB）
失真	<0.03%
噪声	<-65dBu
信噪比	≥93dB
通道隔离度	>75dB
输入灵敏度	0.775 Vrms（0 dBu）
增益	28.2dB
开机延时	10~15秒
冷却方式	变速风扇，空气从前往后流通
电源要求	200-240VAC，50Hz
净重	7.0KG
外形尺寸	W430mm*D270mm*H68mm

三、连接图


电视机
软件升级接口
测试麦
（选配件，需单独购买）
低音炮
电源插座
蓝光/DVD播放机
电视机顶盒
网络影K机顶盒
手机
前置音箱
环绕音箱
顶置音箱
中置音箱
Mic Antenna
COAXIAL
OPTICAL
POWER
ON
OFF
NAME：AUDIO POWER AMPLIFIER
MODEL：AV-900II
POWER：600 W
VOLTAGE：200-240V ~ 50Hz

四、简单操作说明

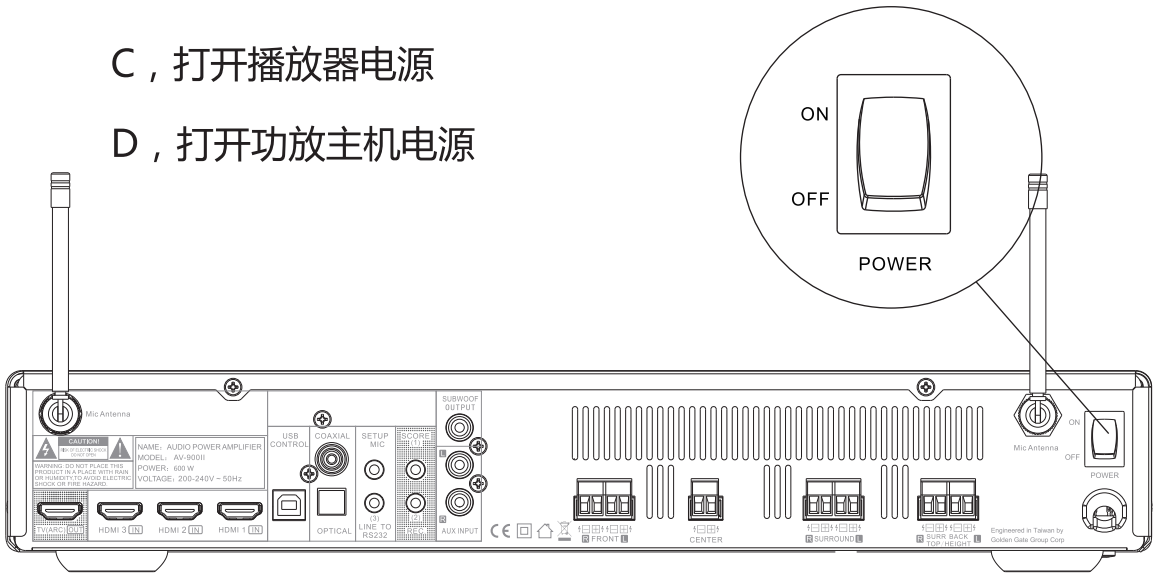
A，安装遥控器电池



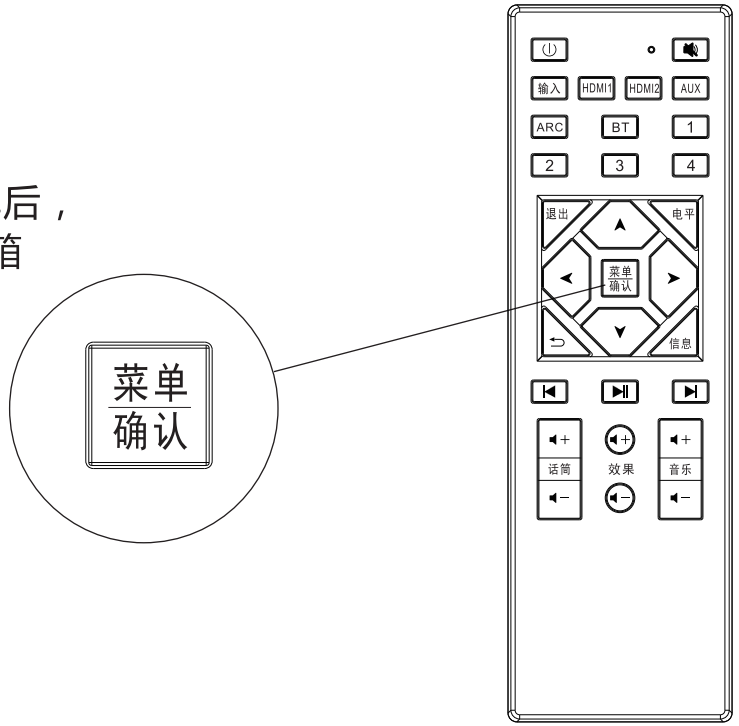
B，打开电视机，并选择相应的HDMI输入

C，打开播放器电源

D，打开功放主机电源



E，音箱设备选择：按功放遥控器“菜单/确认”键，进入主菜单后，使用导航键进入“音箱设备”菜单，然后选择与功放连接音箱相对应的产品型号，后按功放遥控器“菜单/确认”键确认。

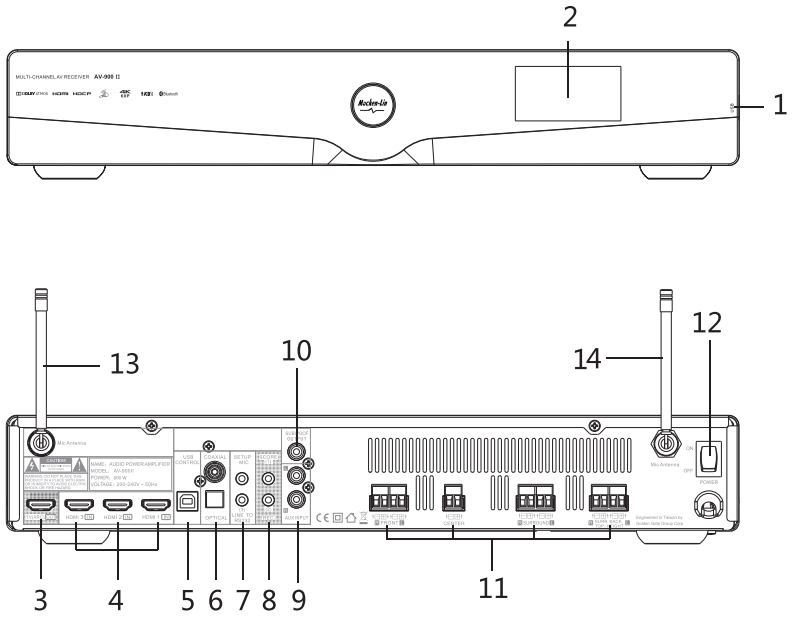


注意：

开机顺序：电视—播放器—功放

在开机前；确保所有相关设备及线材接好；再通电开机。

五、前/后功能面板布局



1、U盘播放口　　2、LCD显示屏　　3、TV/ARC输出

4、HDMI输入口　　5、USB调试升级口

6、数字输入口（光纤OPTICAL/同轴COAXIAL）

7、RS232输出接口（LINE TO RS232）/测试麦（SETUP MIC）

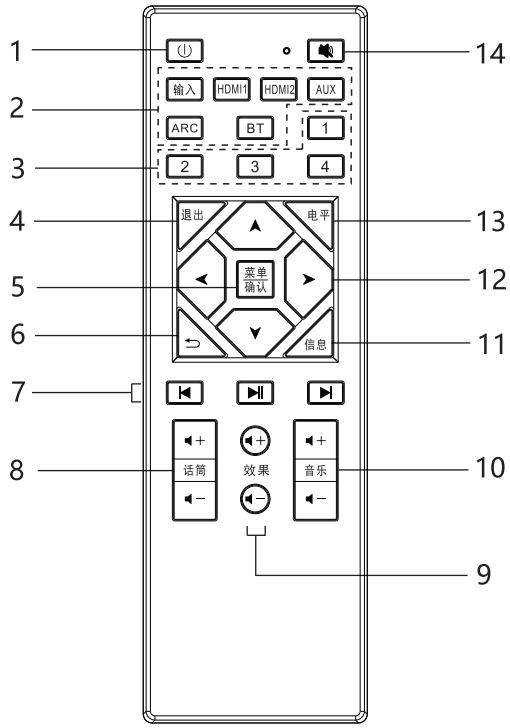
8、录音端口（REC）/麦克评分口（SCORE）

9、模拟输入（AUX）　10、低音炮输出口

11、音箱输出口　　12、电源开关

13、14、麦克风信号接收天线

六、遥控器面板布局



1、开机和待机

2、输入源选择

3、数字键(暂时无作用)

4、退出当前菜单

5、菜单/确认键

6、返回键

7、蓝牙、U盘播放控制，分别为播放模式选择、上一曲、播放/暂停、下一曲

8、麦克风音量加减键调节

9、麦克风效果加减键调节

10、音乐音量加减键调节

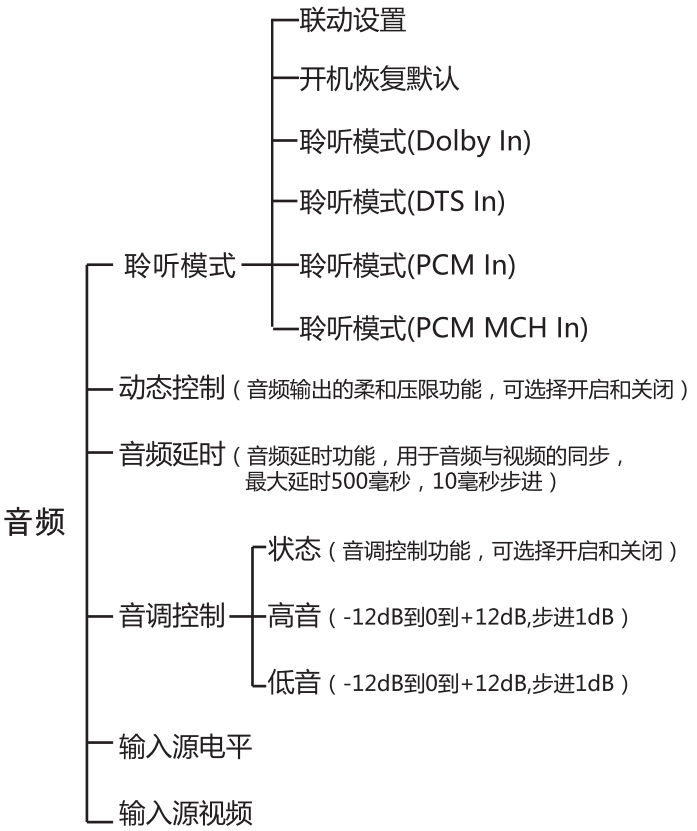
11、输入源信息显示

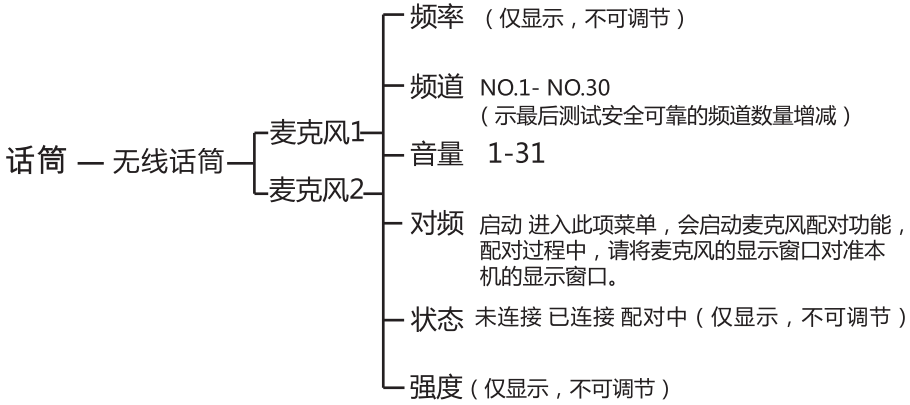
12、菜单导航键

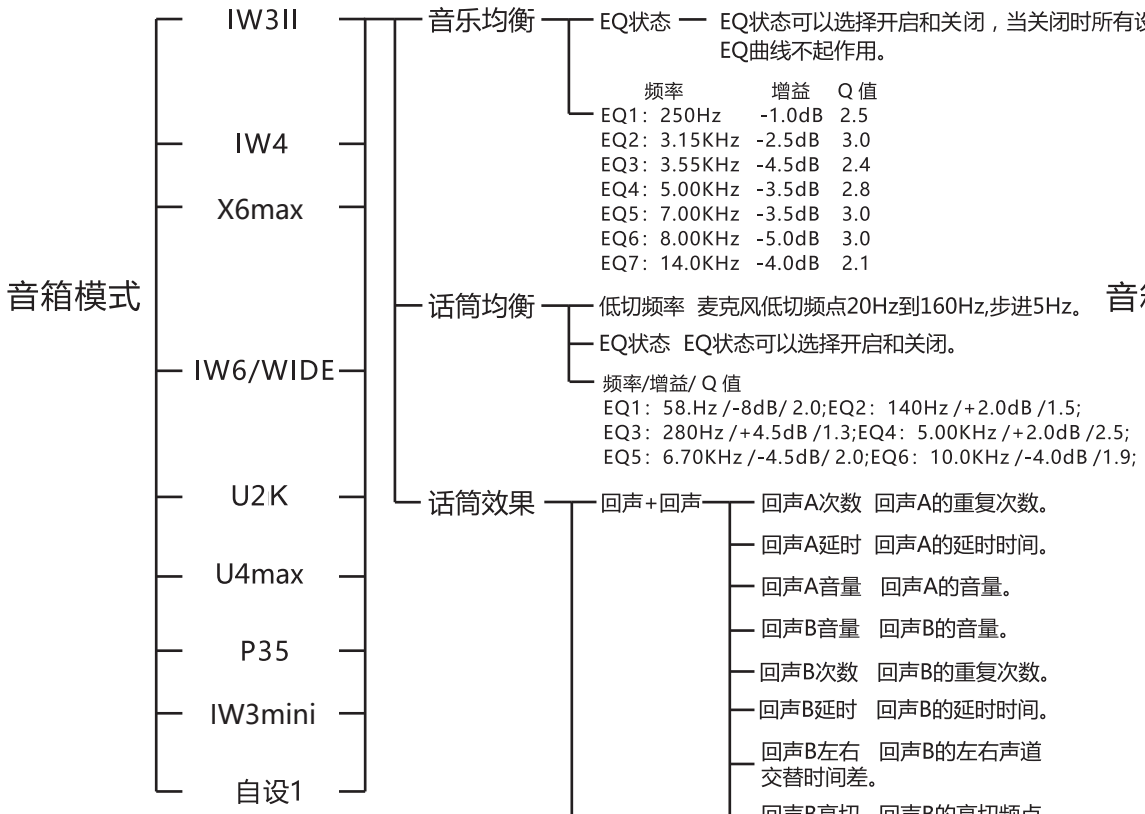
13、各通道电平调节

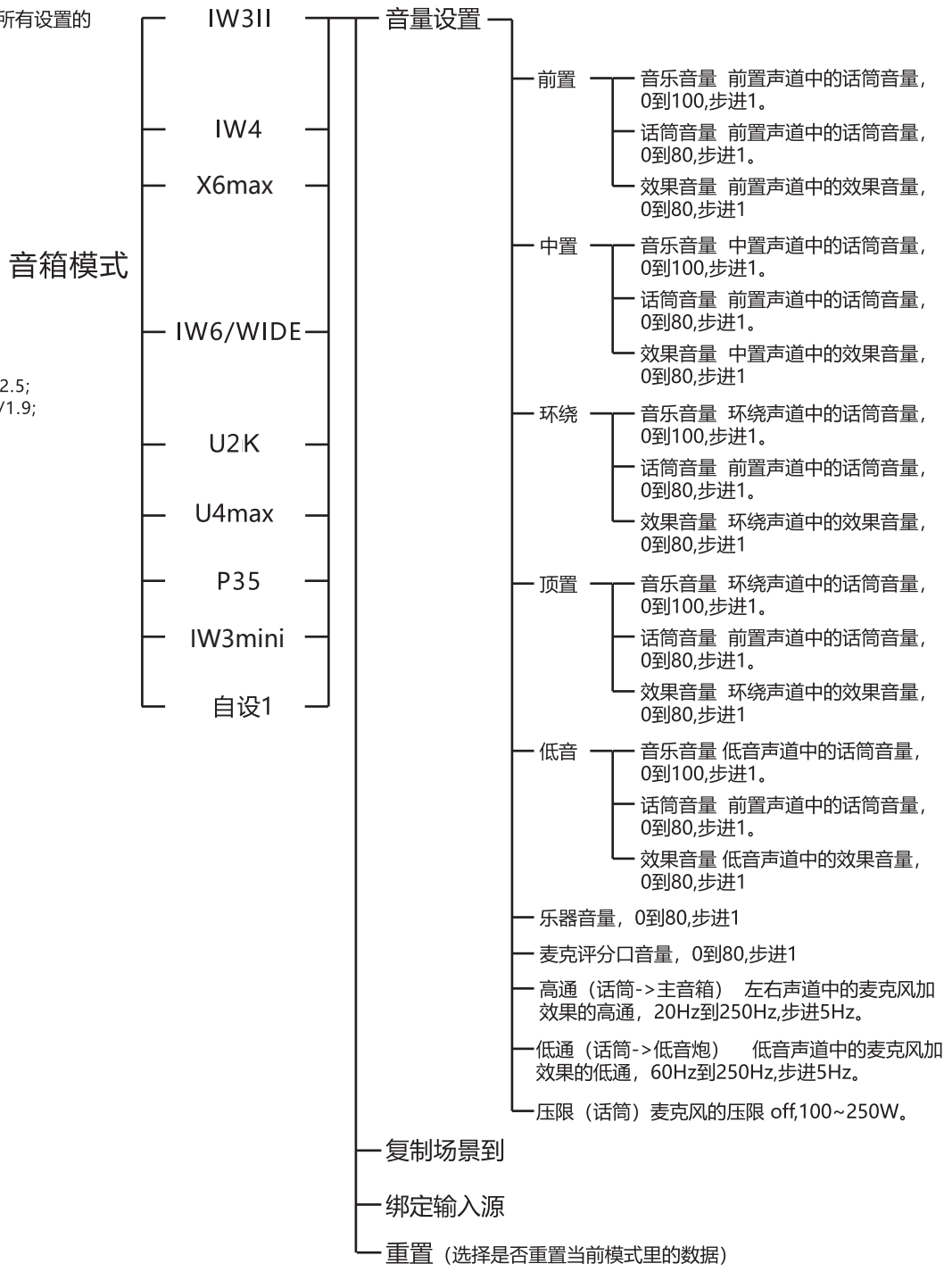
14、静音键

七、菜单说明


音频
聆听模式
联动设置
开机恢复默认
聆听模式(Dolby In)
聆听模式(DTS In)
聆听模式(PCM In)
聆听模式(PCM MCH In)
动态控制（音频输出的柔和压限功能，可选择开启和关闭）
音频延时（音频延时功能，用于音频与视频的同步，
最大延时500毫秒，10毫秒步进）
音调控制
状态（音调控制功能，可选择开启和关闭）
高音（-12dB到0到+12dB,步进1dB）
低音（-12dB到0到+12dB,步进1dB）
输入源电平
输入源视频


话筒
无线话筒
麦克风1
麦克风2
频率 （仅显示，不可调节）
频道 NO.1- NO.30
（示最后测试安全可靠的频道数量增减）
音量 1-31
对频 启动 进入此项菜单，会启动麦克风配对功能，
配对过程中，请将麦克风的显示窗口对准本
机的显示窗口。
状态 未连接 已连接 配对中（仅显示，不可调节）
强度（仅显示，不可调节）


音箱模式
IW3II
IW4
X6max
IW6/WIDE
U2K
U4max
P35
IW3mini
自设1
音乐均衡
EQ状态
EQ状态可以选择开启和关闭，当关闭时所有设置的EQ曲线不起作用。
频率 增益 Q 值
EQ1：250Hz -1.0dB 2.5
EQ2：3.15KHz -2.5dB 3.0
EQ3：3.55KHz -4.5dB 2.4
EQ4：5.00KHz -3.5dB 2.8
EQ5：7.00KHz -3.5dB 3.0
EQ6：8.00KHz -5.0dB 3.0
EQ7：14.0KHz -4.0dB 2.1
话筒均衡
低切频率 麦克风低切频点20Hz到160Hz,步进5Hz。
EQ状态 EQ状态可以选择开启和关闭。
频率/增益/ Q 值
EQ1：58.Hz /-8dB/ 2.0;EQ2：140Hz /+2.0dB /1.5;
EQ3：280Hz /+4.5dB /1.3;EQ4：5.00KHz /+2.0dB /2.5;
EQ5：6.70KHz /-4.5dB/ 2.0;EQ6：10.0KHz /-4.0dB /1.9;
话筒效果
回声+回声
回声A次数 回声A的重复次数。
回声A延时 回声A的延时时间。
回声A音量 回声A的音量。
回声B音量 回声B的音量。
回声B次数 回声B的重复次数。
回声B延时 回声B的延时时间。
回声B左右 回声B的左右声道交替时间差。
回声B高切 回声B的高切频点。
EQ状态 人声效果下的EQ状态，可以选择开启和关闭。
EQ1-100Hz、EQ2-1KHz、EQ3-10KHz
-10dB到0到+10dB,步进0.5dB。
回声+混响
回声次数 回声的重复次数。
回声延时 回声的延时时间
回声音量 回声的音量。
混响音量 混响的音量
混响时间 混响的延时时间
混响延时 混响预延时时间
混响低切 混响低切频点
混响高切 混响2高切频点
EQ状态 人声效果下的EQ状态，可以选择开启和关闭。
EQ1-100Hz、EQ2-1KHz、EQ3-10KHz
-10dB到0到+10dB,步进0.5dB。


音箱模式
IW3II
IW4
X6max
IW6/WIDE
U2K
U4max
P35
IW3mini
自设1
音量设置
前置
音乐音量 前置声道中的话筒音量，0到100,步进1。
话筒音量 前置声道中的话筒音量，0到80,步进1。
效果音量 前置声道中的效果音量，0到80,步进1
中置
音乐音量 中置声道中的话筒音量，0到100,步进1。
话筒音量 前置声道中的话筒音量，0到80,步进1。
效果音量 中置声道中的效果音量，0到80,步进1
环绕
音乐音量 环绕声道中的话筒音量，0到100,步进1。
话筒音量 前置声道中的话筒音量，0到80,步进1。
效果音量 环绕声道中的效果音量，0到80,步进1
顶置
音乐音量 环绕声道中的话筒音量，0到100,步进1。
话筒音量 前置声道中的话筒音量，0到80,步进1。
效果音量 环绕声道中的效果音量，0到80,步进1
低音
音乐音量 低音声道中的话筒音量，0到100,步进1。
话筒音量 前置声道中的话筒音量，0到80,步进1。
效果音量 低音声道中的效果音量，0到80,步进1
乐器音量，0到80,步进1
麦克评分口音量，0到80,步进1
高通（话筒->主音箱） 左右声道中的麦克风加效果的高通，20Hz到250Hz,步进5Hz。
低通（话筒->低音炮） 低音声道中的麦克风加效果的低通，60Hz到250Hz,步进5Hz。
压限（话筒）麦克风的压限 off,100~250W。
复制场景到
绑定输入源
重置（选择是否重置当前模式里的数据）

- 音箱
  - 音箱声道
    - 7.1环绕
    - 3.1.2顶置
    - 5.1环绕
    - 3.1声道
    - 5.1.2高置
    - 5.1.2顶置
  - 音箱布局
    - 3.1.2顶置环绕
    - 5.1.2顶置环绕
  - 音箱配置
    - 前置左侧声道
      - 频率 （交叉频率)）
      - 距离 （扬声器到聆听位置的距离）
      - 电平 （对应扬声器的声级校正）
    - 前置右侧声道
    - 中置声道
    - 环绕左侧声道
    - 环绕右侧声道
    - 顶置左侧声道
    - 顶置右侧声道
    - 低音声道
    - 中置 （状态可以选择开启和关闭）
    - 低音 （状态可以选择开启和关闭）
    - 其他设置
    - 重置 （选择是否重置当前模式里的数据）
  - 自动声场测试
  - 手动声场测试
  - 无线设备 添加设备 启动

- 系统
  - OSD设置
    - 显示透明度 （菜单透明度调节 0-5 步进1 ）
    - 语言 （ 中文、英文菜单选择 ）
  - 场景自动保存 是/否
  - 开机状态
    - 上次设置
      - 开机音量
      - 最大音量
      - 开机场景
    - 本机预设
  - HDMI设置
    - 音频输出到电视 （音频电视输出功能，可以选择开启和关闭。开启后，音频会在电视上输出 ）
    - 关机AV直通 （关机音视频直通功能，可以选择开启和关闭。当开启时候，当家庭影院AV接收机关机时，将把当前选择的HDMI输入源的音视频直接送至TV端。 ）
  - CEC控制
    - 状态 （ 开启或关闭，开启后可由外部设备控制本机 ）
    - 关机控制 （ 由外部设备控制关闭本机电源功能，可以选择开启和关闭 ）
    - 开机控制 （ 由外部设备控制开启本机电源功能，可以选择开启和关闭 ）
    - 输入源控制 （ 本机电源打开时同时控制电视电源，可以选择开启和关闭 ）
  - ID
  - 睡眠设置
  - 恢复出厂设置（选择是否重置本机的所有数据，重置后本机将会恢复出厂状态 ）

八.音箱模式设置

您可要通过“菜单”→“音箱模式”选择一种音箱模式，按确认键调用该音箱模式，或按方向右键进入所选音箱模式具体参数设置。

本机带有6种音箱模式可供选择，分别是“IW3II”，“IW4”，“X6max”，“IW6/WIDE”，“U2K”，“U4max”，“P35”，“IW3mini”，“自设1”，每种音箱模式有不同的声音风格。

每个音箱模式可设置的参数包括“音乐均衡”，“话筒均衡”，“话筒效果”，“音量设置”选项。您可以修改每个音箱模式，并进入菜单针对您的个人听音喜欢调试一种声音风格并存储。

“音乐均衡”：调整输入源音频信号的频率响应曲线，此均衡器为7短参量均衡，频点与q值可设置。

“话筒均衡”：调整话筒的频率响应曲线，此均衡器为7短参量均衡，频点与q值可设置。

“音量设置”：调整各通道音箱的音量与比例。

聆听模式设置

此项设置可以使输入源信号转换成您喜欢的聆听模式。首先将“菜单”→“音频”→“聆听模式”中选择您想转换的模式：

源码：按照输入源的信号类型，不做转换

自动：将输入源的信号转换位多通道输出

Dolby Surround：此模式采用Dolby Surround Upmixer将各种声源延伸为自然且真实的多声道播放。使用天花板扬声器如顶部中置扬声器以实现三维声场。Neural:X:： 此模式采用DTS Neural:X Upmixer将各种声源延伸为自然且真实的多声道播放。使用前置纵向扬声器等纵向扬声器以实现三维声场。

立体声：该模式用于欣赏从主通道扬声器输出的立体声声音。

设置

1、菜单显示设置

菜单语音：“菜单”→“系统”→“OSD设置”→“语音”，有中文和英文可供选择。

菜单透明度“菜单”→“系统”→“OSD设置”→“透明度”，选择范围0-5，数字越高越透明。

2、音频

音频延时设置

此项设置可针对画面与声音不同步，音频比画面先出现的情况，可在“菜单”→“音频”→“音频延时”设置延时时间，单位为毫秒。

3、交叉频率

交叉频率是设置本机与低音炮的重放频率分界线，保证本机与低音炮都在工作在适合的频响范围。可以在“菜单”→“音箱”→“音箱配置”中设置交叉频率。

默认交叉频率是“120Hz”，如果您想让低音炮重放出更饱满的中频时，我们建议设置为比此频率更高的频率。低于交叉频率的频率部分将被衰减。衰减后的低频内容将从低音炮中输出

话筒低音调节

此项设置可增强话筒低音，在“菜单”→“场景”→选择想要调节的场景→“音量设置”→“低通（话筒→低音炮）”设置低音炮中话筒频率的上限。

4、开机状态设置

在“菜单”→“系统”→ “开机状态”中选择“系统预设”之后，可在下方设置开机音量与开机模式。您也可以在“开机状态”中选择“上次设置”，这样下次开机则与上次关机前的状态一样。

5、恢复出厂设置

“菜单”→“系统”→“恢复出厂设置”

6、输入源电平

在您接入了多款播放设备时，此项设置可平衡各种播放设备的电平值，在“菜单”→“音频”→“输入源电平”中，针对各种输入接口设置电平值。

必须注意的事项

在使用本产品时，不要使用劣质的外设有线或者无线话筒，尽可能选购厂家推荐的匹配设备。无线话筒的稳定性和音质与电池有很大关系，请使用正规厂家的碱性电池或者镍氢充电电池。劣质话筒的频响不好。会严重影响演唱效果，如：人声干涩、不饱满、失真、容易啸叫等。同时，话筒引线屏蔽不好时，引线容易感应杂音，使扬声器产生不必要的噪声。

演唱时，必须避免话筒离音箱太近引起的啸叫，严重的啸叫容易损坏功率放大器和扬声器。为避免啸叫，应注意使用话筒尽量远离扬声器箱。同时，适当减小话筒音量和衰减话筒高音。不要敲击话筒或拉扯话筒引线。

关于Dolby

Dolby Atmos首先被引入到电影院中，为家庭影院体验带来 了维数和音效的创新性意义。Dolby Atmos是一个适应性强且 可扩展的基于对象的格式，将音频再现为可准确定位的独立声音（或对象），并可在播放时在整个三维聆听空间内动态移动。 Dolby Atmos的一个关键因素是将声音引入到听者上方的等高面。

Dolby Atmos （杜比 Atmos） 流

Dolby Atmos 内容将通过蓝光碟片上的 Dolby Digital Plus 或 Dolby-TrueHD、可下载文件和流媒体传送至 Dolby Atmos Enabled 的 AV接收器。Dolby Atmos 流包含描述房间内声音定位的特殊元数据。此对象音频数据通过 Dolby Atmos AV 接收器解码，并升级以通过每种大小和配置的家庭影院扬声器系统实现最佳播放。

Dolby Digital (杜比数字)

Dolby Digital 是由杜比实验室开发的一种多声道数字信号格式。总共可播放 5.1 个声道:3 个前置声道（“FL（左前置）”、“FR（右前置）”和“C（中置）”）、2 个环绕声道（“SL（左环绕）”和“SR（右环绕）”）以及一个用于低频的“LFE（低频音效）”声道。正因为如此，声道之间没有串音，因而能产生真实声场的“三维”感 （距离感、移动感和位置感）。这样可在家中实现令人惊叹的环绕声效果。

Dolby Digital Plus (杜比数字 Plus)

Dolby Digital Plus 是一种改进的 Dolby Digital 信号格式，最多可兼容 7.1 声道的离散数字声音，同时由于附加的数据比特率性能而提高了音质。该格式向上兼容传统的 Dolby Digital，因此在对输入源信号和播放设备的情况作出响应方面具有更大灵活性。

Dolby Surround （杜比环绕）

Dolby Surround 是下一代环绕声技术，该技术智能混合立体声、5.1和 7.1 内容，通过环绕扬声器系统进行播放。Dolby Surround 兼容传统扬声器布局以及 Dolby Atmos Enabled 的播放系统（采用搭载Dolby 扬声器技术的吸顶式扬声器或产品）。

Dolby 扬声器技术（Dolby Atmos Enabled 的扬声器）

吸顶式扬声器的便利替代品，即采用 Dolby Atmos Enabled 扬声器技术的产品利用您上方的天花板作为反射面，以在听者上方的等高面再现音频。Dolby Atmos Enabled 的扬声器具有独特的向上发射驱动器和 可内置到传统扬声器或独立扬声器模块的特殊信号处理功能， 可最小化对总体扬声器系统尺寸的影响，同时在 Dolby Atmos和 Dolby Surround 播放的过程中提供身临其境的听觉体验。

Dolby TrueHD (杜比 TrueHD)

Dolby TrueHD 是由杜比实验室开发的一种高清晰度音频技术，采用无损编码技术忠实地重现录音棚母带的声音。该格式在采样频率为 96kHz/24 位时，最多可支持 8 声道；采样频率为 192kHz/24 位时，最多可支持 6 声道，采用了特别强调音质的应用软件。

杜比商标信息

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由于始终致力于提升产品质量，我们不断将新的、先进的材料、组件以及制作方法融入到我们的产品中，所以我们保留随时更改规格说明的权力不作另行通知。

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