

The technical data may be changed without prior notice



AM8318 Multi-Room Music System

User Manual



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Welcome to use the Multi-Room Music System.

To make the better use of this equipment, please read this instruction carefully prior to use.

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- (3) The product is damaged due to disasters and accidents.
- (4) The ID number on the product body is changed, modified or removed.
- (5) The product is repaired or modified by unauthorized personnel.

Please store the manual and warrant card well.

For problems or precautions not referred in this manual, please contact our distributor or visit our site at <http://www.auxdio.com.cn>.

Please contact our technician (or distributor) in case of failure within the warranty period. We will take no responsibility in case that the product is disassembled or repair by unauthorized personnel.

Packing list

No.	Product	Quantity
1	AM8318 Host	1 set
2	Red and white RCA signal line	1 piece
3	Power line	1 piece
4	Operation instruction	1 copy
5	Quality certificate and warranty card	1 copy
6	USB flash disk	1 piece
7	Infrared Data Transceivers	1 pair

Performance Specification

Item	Indicator	
Quantity of zone	Eight zone	
Audio indicator	Line input sensitivity	520mV(±50mV)
	Line input resistance	>10kΩ
	Rated output power	Zone 1, 2×60W/8Ω Zone 2-8, 14×30W/8Ω
	Frequency response	20Hz-20kHz(±0.5dB)
	Total harmonic distortion	<0.3% (f=1kHz, 1/3 of rated output power)
	Signal-noise ratio	>81dB
	Auxiliary audio output	Stereo output: 520mV(±50mV)
Power amplifier output protection	Output short circuit, overloading, direct current protection	
Power supply	AC220-240V/50-60Hz	
Whole power	500W	
Power protection	AC220V/F6A	
Dimension of outer packing (D×W×H)	540×540×230mm	
Dimension (D×W×H)	430×345×132mm	
Gross weight	19kg	
Net weight	14.6kg	

1. Safety Precautions

- Disconnect the power plug of the console from the mains before wiring the system.
- Ensure that the input voltage to the console is as specified to avoid a risk of damage to the console.
- Never open the casing of the console to avoid electric shock from inside.
- Always disconnect the power plug from the mains when the console is not used, because the console is not disconnected from the mains even when the power switch is turned to the off position.
- Do not leave the console in a too hot or too cold place.
- Keep the console well ventilated to avoid damage to the console due to excessively high temperature.
- Disconnect the power plug if the air is moist or the console is not used for a long period.
- Remove the power plug from the outlet to disconnect the console from the mains before removing or reinstalling any part, or disconnecting or reconnecting any plug or cable.
- Do not open the casing for maintenance by yourself or unauthorized personnel in case of failure, so as to avoid an accident or further damage.
- Never place any corrosive on or near the console.

2. After-sales Service Precautions

Auxdio will provide a three-year charge-free warranty (including replacement of parts) from the date when you purchase provided that the product is installed and operated as specified.

The user should show the warranty card copy kept by the user and the sales invoice for repair.

The warranty is invalid in the cases as follows:

- (1) The product is damaged due to wrong installation, operation or handling.
- (2) The product is damaged due to abnormal situations (e.g. excessively high mains voltage or ambient humidity).

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1. About Multi-Room Music System

AM8318 system is a set of perfect modernized Multi-Room Music System.

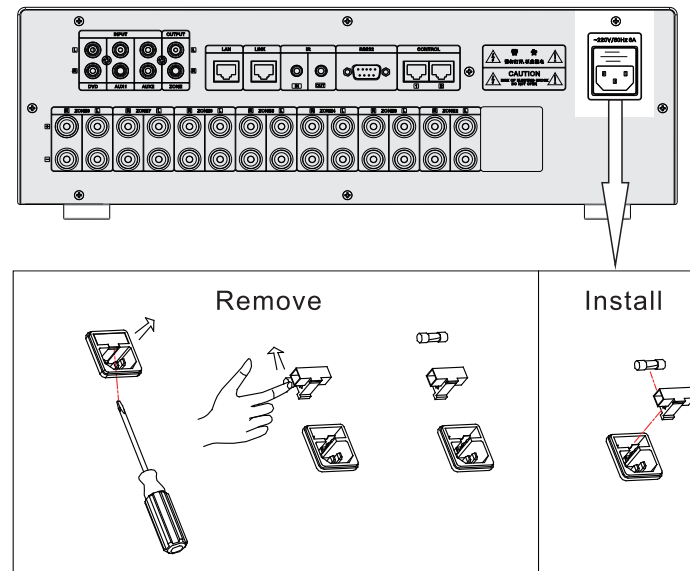
In addition to all the functions the traditional household audio should have, this set of system has two special function: ①**Listening different music programs in different rooms.** For example: There is the difference in the music loved by the elderly and young people. In the room in which the elderly will live, the traditional Chinese opera programs may be played; in the room in which the young people will live, the pop music may be played.②**The timing point function, i.e. the presetting of the special timing point and the specific task to be performed at such timing point.** For example, set the clock to prompt you to get up on time in the morning; after the busy work, you will listen to the fresh and sweet background music at home; when you are listening to the background music in the room, the news at the timing point is broadcasted on TV; at this moment, you have'v no need to go out of the room to listen such news at timing point. It will take you a few minutes to preset all above items in the system, and the system will perform automatically in accordance with your presetting.

The host of this system integrates the functions such as MP3 player, network music, network radio, zoneer, timer, and pre- and post-power amplifier. In addition to one DVD stereo input and two AUC auxiliary sound source inputs, and 3 network modules , the system also has 8 zone power output interfaces. This system has a more important function, i.e. the network module function. If the host is connected to the cable network or wireless router, it is possible to play the music and listen to the network radio through the mobile phone terminal, so as to provide the great convenience for the users.

Replace power supply fuse

When fuse is broken, please replace it with the same size fuse. (Please find the fuse specification under power plug).

The fuse position is shown as below:



Fuse replacement steps:

- ① Turn off the power and disconnect the power plug.
- ② Open the fuse holder with a screwdriver as shown above.
- ③ Take out the fuse and check whether the fuse is broken, and please confirm the specification.
- ④ Install the fuse shown as Picture 4.

Note: when the fuse is fit, it will sound "Click".

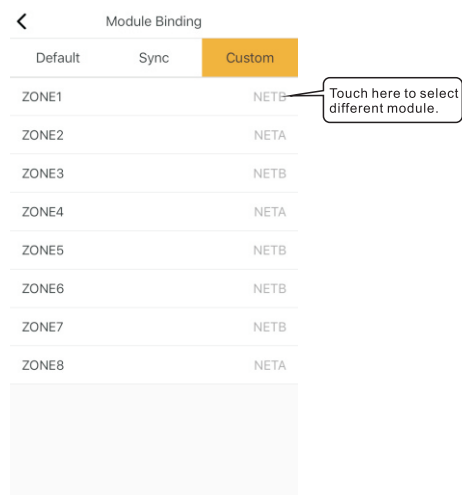
Room list: you can select to display or hide rooms (zones).

Device information: you can check IP address of each room.

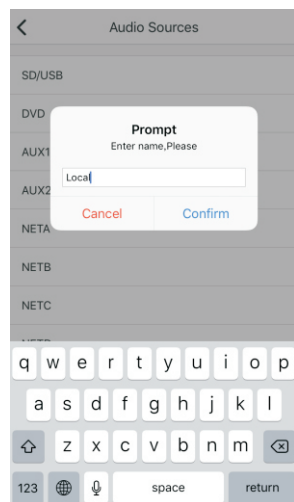
Language: you can change language.

Add Radio Stations: you can add radios from different country.

Module Binding: you can customize this function. You can play same music for modules that are bound together.



Audio sources rename: you can change name of audio sources and modules.



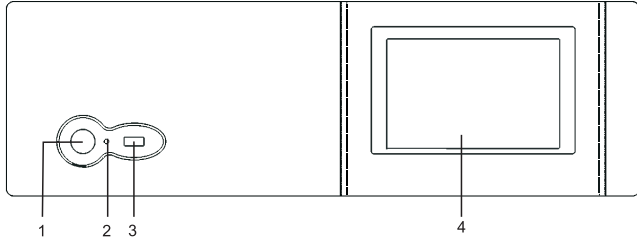
About: you can see information of current version and check for new version.

Switch to smart home: this function is being developed.

2. Functional Characteristics of System Host

- High-quality household Multi-Room Music System.
- Simple and unique appearance design, display with TFT true color screen, and full-screen touch operation.
- Support multi-zone music sharing, built-in 8 zone.
- Abundant program source, up to 7 channels of sound sources supported, external USB, internal 4G storage, network music, network radio, and external sound source input.
- Audio decoder supporting MP3, WMA, APE, FLAC, WAV, and other audio formats. 1 channel of DVD audio input interface, and 2 channels of AUX auxiliary audio input interface.
- Support 3 partitions on-demand music from a USB device.
- Support wireless music pushing function, push the music in the smartphones / tablet computer to the host for playing through the Wi-Fi connection, or push the songs in the network hard drive to the host for playing.
- Support the network radio function, so you've no need to worry about the poor antenna signal.
- Line Out, set to follow the designated zone (any one of the eight zone).
- Every zone adopts the stereo output; the rated output power of the zone No. 1 is 2×60W, the rated output power of the zone2 –zone8 is 2×30W; in the Extending Power Amplifie.
- Every zone and sound source may be named by the user with the mobile phone software on the basis of his/her own preference, in order to facilitate the interaction.
- Powerful timing control function; You can edit multiple timing points every day on a single or repeated basis; even control the on-off, volume, network radio, and MP3 playing of every zone on a timing basis.
- The infrared study function, the remote control of the external DVD, TV, AUX, and other audio equipments.
- RJ45 Ethernet interface, which is used to connect the cable network or wireless router, support iPhone, Android smartphones, tablet computer, and other mobile devices for the purpose of wireless control.
- 2 channels of RS485 interfaces, which can be used to connect the control panel by hand-in-hand method, so as to facilitate the user to control every zone.
- RS232 communication interface, which is easily linkable to smart central control system or smart household system.
- Support network timing.
- Support online upgrading of firmware.

1. Description of Function of Front Panel



1. Power switch (POWER)

Press this switch to turn on the power, and then press it again to turn off the power.

2. Power light (POWER)

When turning on the power, this indicator light will be in the normally green on red; when turning off the power, this indicator light will go out.

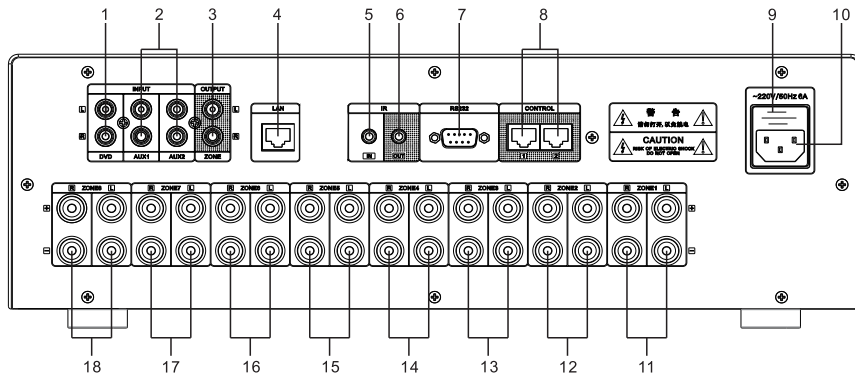
3. USB interface (USB2.0)

It is used to connect external USB device, such as USB flash disk, mobile HDD, or card reader.

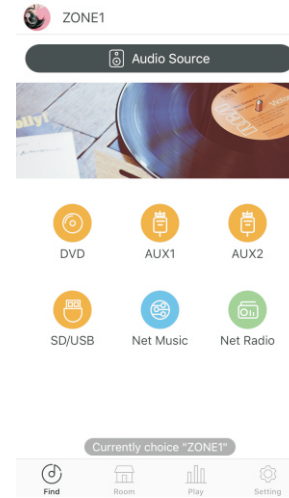
4. TFT true color display screen

It is used to display the working conditions of the equipment. It is possible to control the host through the display screen (full touch screen operation).

2. Description of Functions of Rear Panel

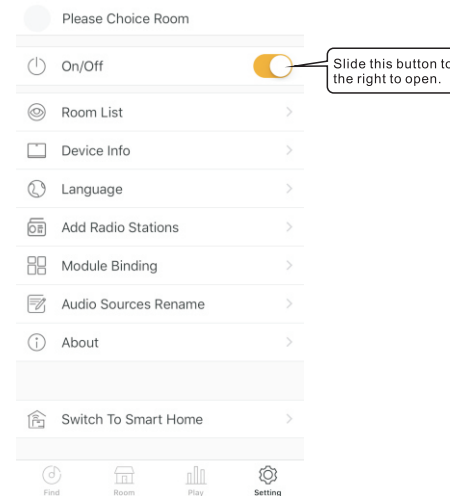


3 Audio source selection. Enter "Find" interface, then you can play songs in selected zone.



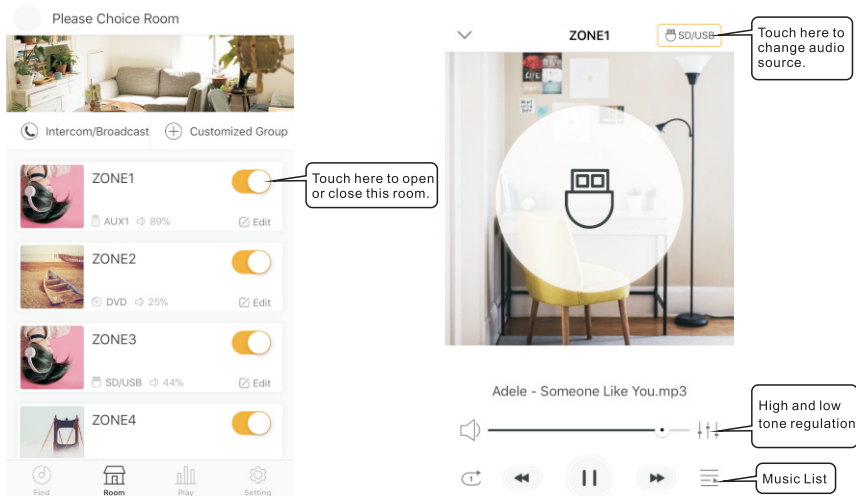
2. Settings

On/Off switch. One button to control the open and close of all zones.

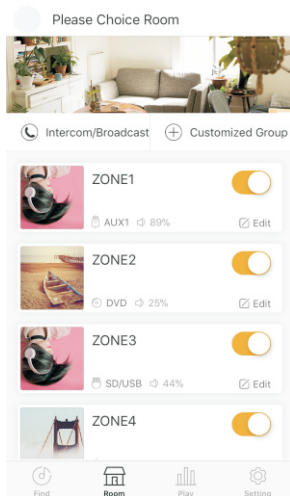


1.Example of Apple IOS System Operation

1. Enter "Room" interface. Select room (zone) first and choose songs in the audio source to play music. You can set up volume, pitch, play mode, previous song, pause/play, next song, and music list (only exist when audio source is SD/USB, network radio or network music).



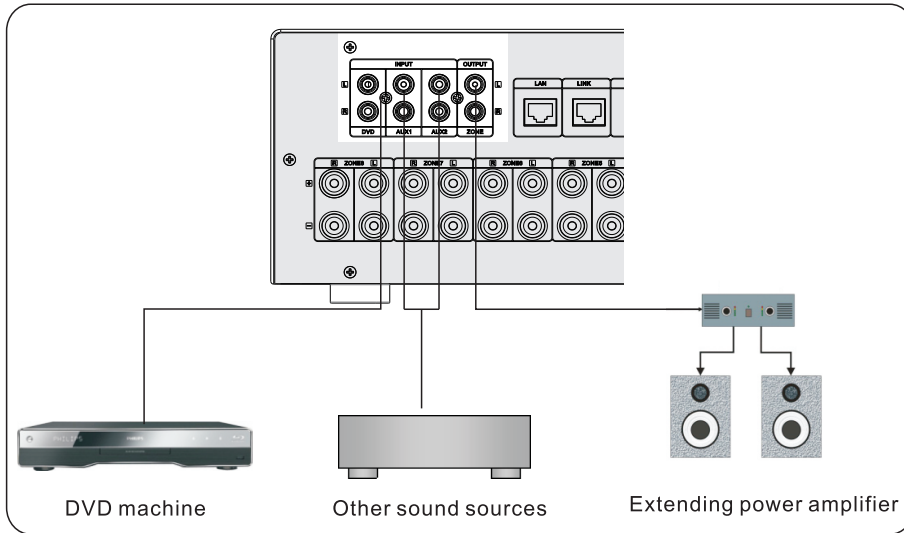
2. To customize room group. Enter "Room" interface and you will be able to put multiple room (zone) into one group. Then you can control music playback for the whole group. If different devices are put into one group, you can only adjust volume.



- 1.DVD audio input interface
- Auxiliary audio input interface
To connect the other sound source equipments conforming to the interface level standard.
- Audio signal line output port
To output different audio signals according to different zone, to connect the external power amplifier to extend the power.
- Network interface
To connect RJ45 Ethernet interface network cable, and to connect the Internet or household LAN.
- Infrared study input
To connect infrared study receiver for leaning with infrared function.
- Infrared study output
To connect external infrared study emitter to achieve the control of infrared study.
- RS232 interface
Also known as remote control interface. To control the function of the equipment through the central control equipment.
- Control panel interface
To connect BM828R control panel through RJ45 network cable.
- AC220V/6A power fuse of this equipment
In case of the blowout of the power fuse, please replace with the fuse in the same specification.
- AC220V power input interface of this equipment
When connecting, please connect the power line to the machine first, and then access to the grid.
- 11-18.Audio signal output ports
Output the audio signal from zone 1 to zone 8.

Description of Connection

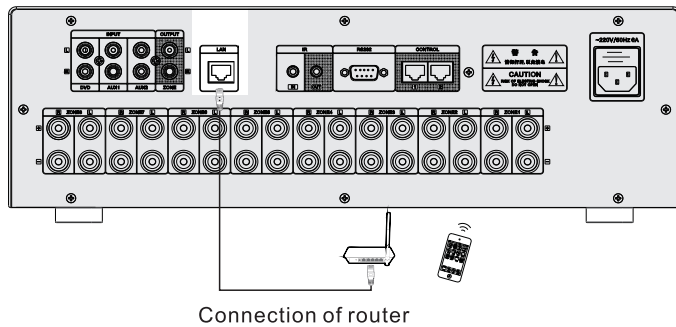
1. Schematic Diagram of Line Audio Input & Output Connection



Remark:
The above inputs and outputs shall be connected with the lotus form plug as shown in the right-handed figure.

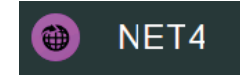


2. Schematic Diagram of Connection of Router



Remark:
The above connection shall be made with T586A network cable; if it is required to extend the connection line, please make it by the method as shown in the figure below:

② There are two icons in front of the network module:

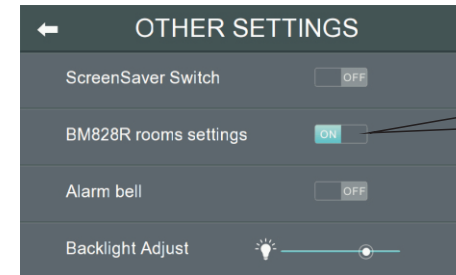


The icon in front of NET3 indicates that the output is network radio;
The icon in front of NET4 indicates that the output is network music.

Of course, it is also possible to switch the output of the network module. You can control the output from the network modules in "setting"- "network module setting", or to control with the mobile device (please content in the following pages).

Control of Equipment with BM828R Panel

1. Please search P7 "Schematic Diagram of Connection of Panel Control" for connection of the panel in details.
2. Control the host with the panel
 - ① Set the zone to be controlled by the panel.



Turn on this switch to switch on the panel the zone to be controlled by this switch; if turned off, the panel is unable to change the zone under its control.

- ② Turn on the switch as shown in the figure above, open the panel setting interface, and select the zone you want to control so as to control the zone with BM828R.

Note: Please see the operation instruction to BM828R product for introduction to the function in more details.

Control of Host with Mobile Device

Please scan the QR Code below to download the "Multi-Music" APP



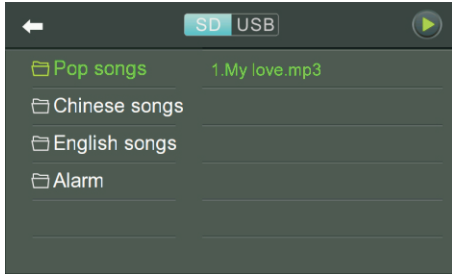
QR Code for Apple



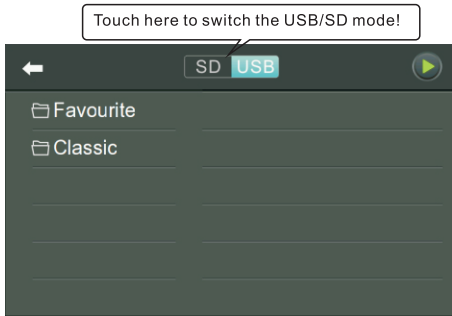
QR Code for Android

After installation of "Control X", please make sure that your mobile phone and the device are connected to the same LAN so you can control the device with mobile phone. For example, if the device is connected to the router, your phone should be connected to the same router.

Select a folder at random such as “Pop songs”, and select the music as shown on the right side to play.



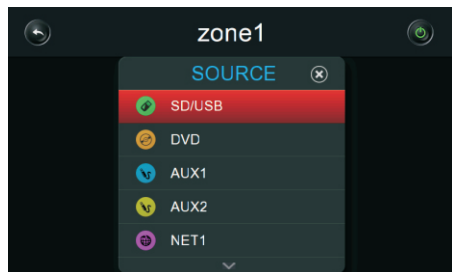
Switch to the USB mode, and the other operations are the same as those for the USB mode.



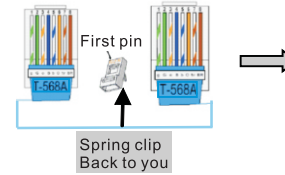
3.3 Playing of other sound sources

The operation mode for playing of other sound sources is roughly the same. The playing of the network sound source is taken as the example below.

- ① Touch the sound source selection button “” to enter the sound source selection interface and select “NET1” as the sound source (Any one beginning with NET is the network sound source), as shown in the figure below.



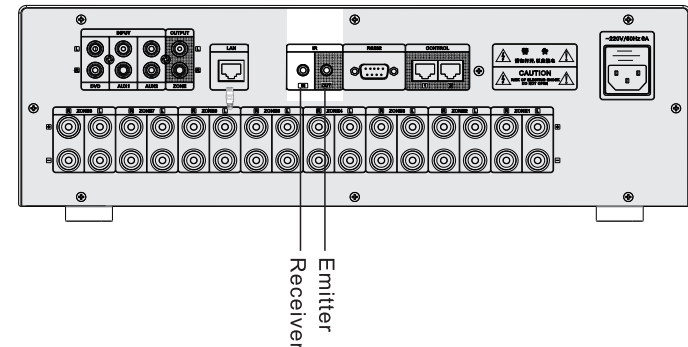
Connection of Extending Power Amplifier



RJ45 interface
As connection method, the colors from left to right are:
Green & white, green, orange & white, blue;
Blue & white, orange, brown & white, brown
Corresponding one to one between two ends

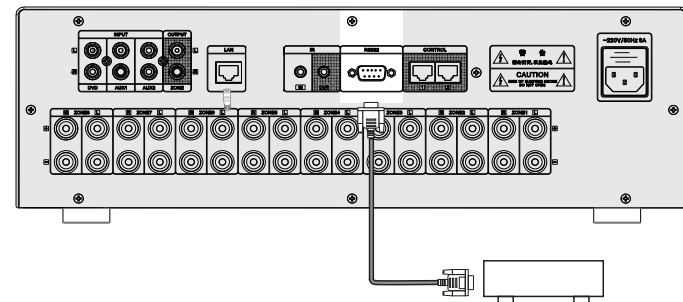
3. Schematic Diagram of Connection of Infrared study / Control and RS232 Central Control

1. Connection of infrared study / control



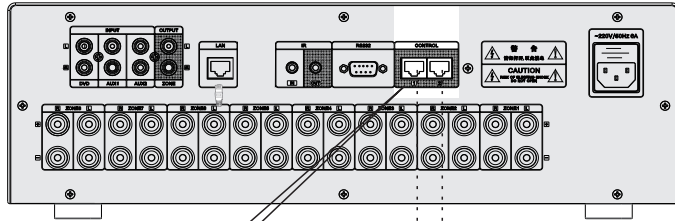
Note: The infrared receiver and emitter shall not be connected to the wrong sockets; or they will not work!

2. Connection of RS232 central control

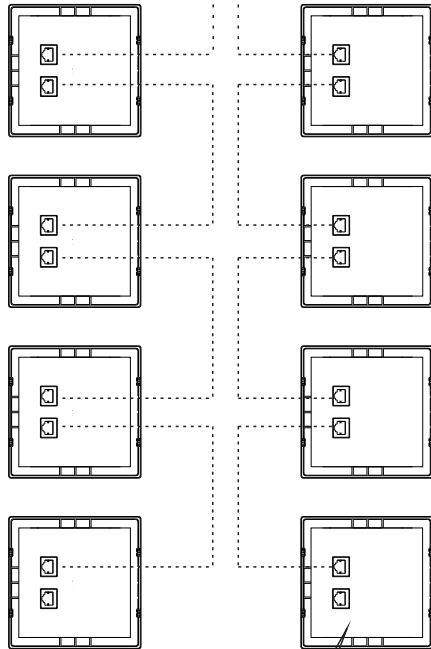


Smart central control system or smart household system and other control equipments

4. Schematic Diagram of Connection of Panel Control



Remark: For connection of input in two channels, either channel shall be connected by "hand-in-hand" mode.

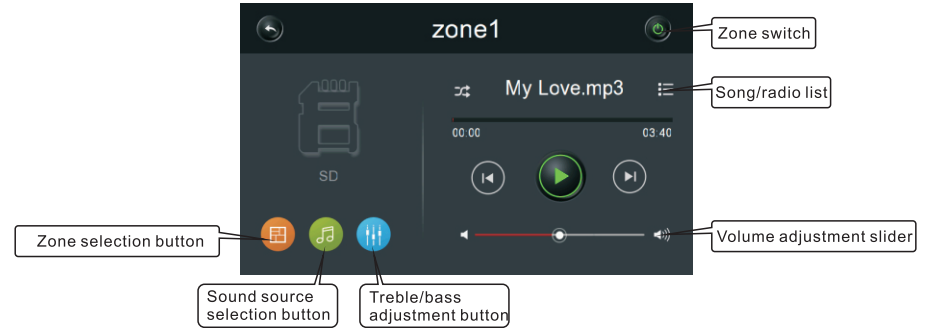


Infrared remote controller

The line remote controller in any room is controlled by the infrared remote controller

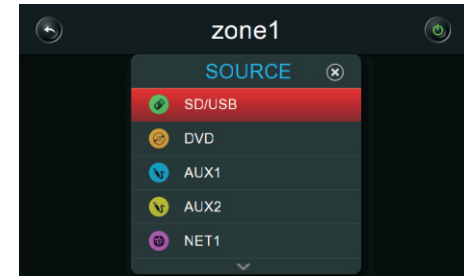
3. Zone Control: Control of eight zone

The living room is taken as the example for the following operations. The operations for the other zone are completely the same as those for the living room. After entering the main menu, click the living room to enter the picture as shown in the figure below:



3.1 Sound Source Selection

Touch the sound source selection button to enter the interface as follows.



Here, you can select various sound sources including USB/SD, DVD, AUX1, AUX2 and network modules.

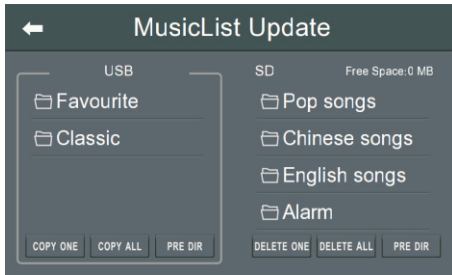
3.2 Playing of USB/SD Music

- ① Touch sound source selection button "SD/USB" to enter the sound source selection interface and select "USB/SD" as the sound source;
- ② Touch "SD" to call out the play list as shown in the figure below (SD backlight indicates that the folder stored under SD is being read).



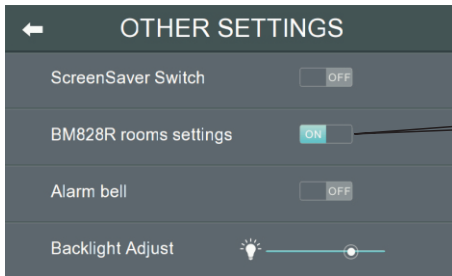
2.10 Network Radio Edition

Touch the “network radio edition” to enter the network radio edition interface, to delete the stored radio station.



2.11 Other Settings

Touch “other settings” to enter the other settings interface, to adjust backlight intensity and modify the terminal address setting.



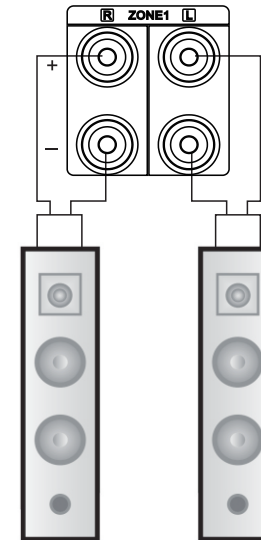
2.12 System Upgrade

Touch the “system upgrade” to enter the system upgrade interface, to implement the online upgrade of the host, decoding module, and network module.



5. Schematic Diagram of Connection of Zone Output

Zone1~8 adopt the stereo dual-track output. In zone 1, the output power of every track is 60W; in other zone, the output power of every track is 30W. The connection of zone 1 is exemplified below. The connection mode of the other zone is completely the same as that of the zone 1. Please pay attention to the positive and negative electrodes of the loudspeaker.

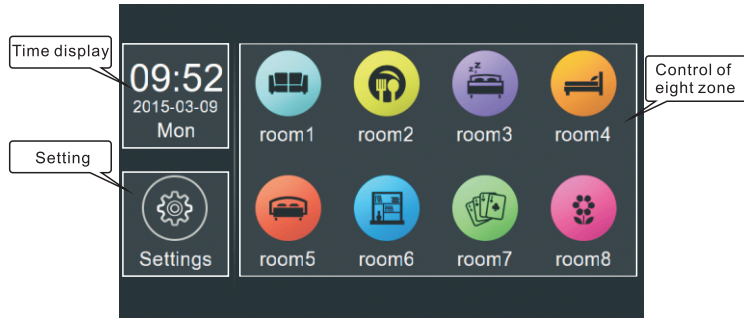


Zone1



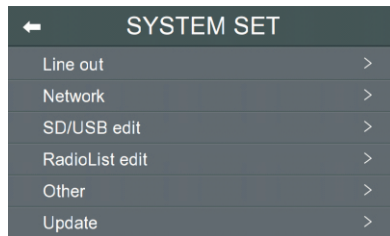
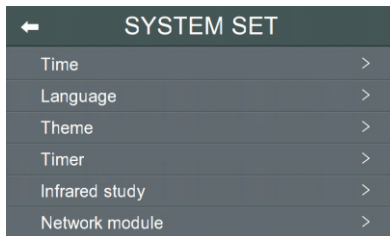
1. Description of Power-On State and Main Interface

After connecting the system line properly, switch on the power of this equipment, turn on the power switch on the front panel of the host (Refer to the description of the front panel), and the system enters the power-on state, which will cost approximately 30 seconds. After that, it will enter the main interface as shown in the figure below:



The main interface is divided into the three regional functions including Time display, system setting, and zone control;

- Time display: To display the date and time, which shall be modified by the system setting.
- System setting: Including 12 functions such as time, language, background, timing, infrared study, network module setting, line output, network detection, SD/USB program source edition, network radio edition, other settings, and system upgrading (As shown in figure below).



- Setting of 8 zone: To control the sound source and volume of the zone.

2.8 Network Detection

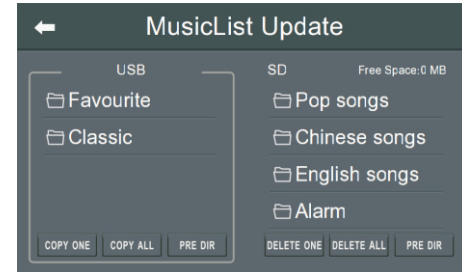
Touch the “network detection” to enter the network detection interface. In case of the normal network connection, the IP address allocated will be displayed at the bottom of the screen. If the IP address is not displayed, it indicates that the host fails to acquire the IP address; at this moment, you may click “repair network” button to re-acquire IP address.

Note: If it is connected to the router, please ensure that DHCP in the setting of router is open!

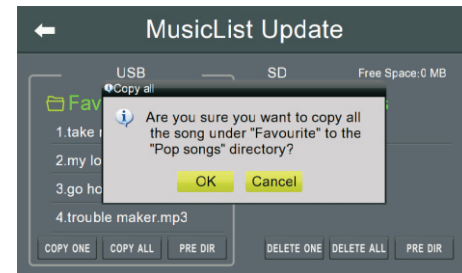


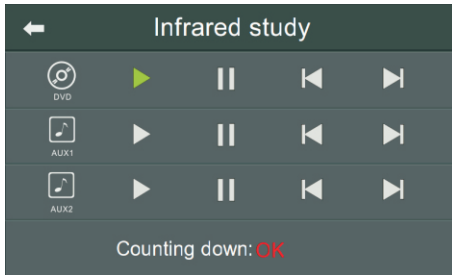
2.9 SD/USB Program Source Edition

Touch “SD/USB program source edition” to enter the song list updating interface, to switch and change the song list.



You can copy and delete the song in the list as shown in the figure below.





- Note 1: AUX1/AUX2 is the auxiliary external sound source interface used to connect any sound source player. No matter what player is connected with this sound source interface, the infrared study thereof is able to achieve the control of play/pause, previous song, next song, stop play and other functions. The operation method for learning of the above functions is the same as that of the DVD “play” function.
- Note 2: Before the infrared study, please ensure the infrared receiving module is connected to the host correctly!

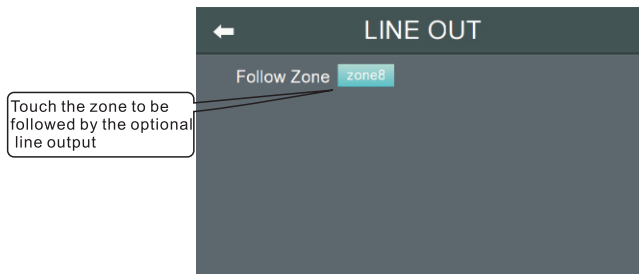
2.6 Network module setting

- Touch the “network module setting” to enter the network module setting interface, to select the working mode of the network modules (network music and network radio). The name of the module shall be modified in the “setting – list of sound sources” at the APP side of the mobile phone.

Network Module		
ID	Name	
NET1(Radio)	NET1(Radio)	>
NET2(Music)	NET2(Music)	>
NET3(Radio)	NET3(Radio)	>
NET4(Music)	NET4(Music)	>
NET5(Radio)	NET5(Radio)	>

2.7 Line Output

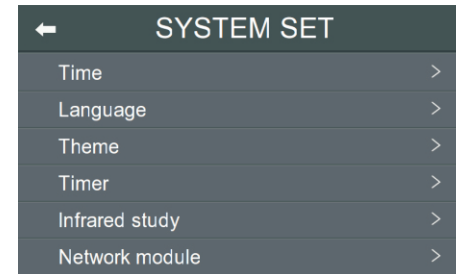
Touch “line output” to enter the line output interface.



2. Detailed Description of System Setting.

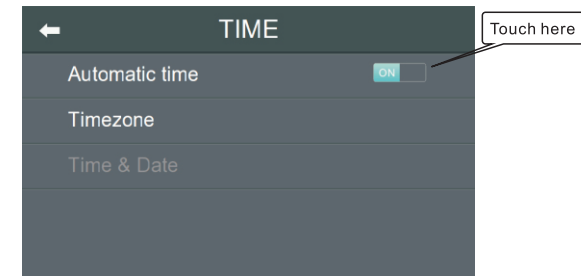
2.1 Setting of time and date

- ① Touch “system setting icon” to enter the following interface;



- ② Touch “time” to enter the time setting interface;

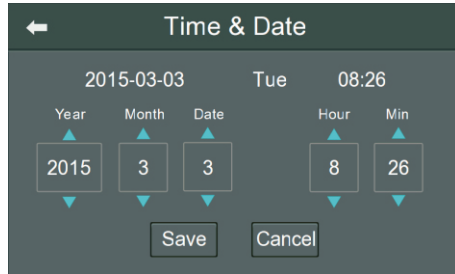
- ③ Touch the place as shown in the figure; “ON” indicates that the automatic timing function is started; “OFF” indicates that the function is shut down. It default to be the switch-on state;



- ④ Touch “time zone setting” to enter the time zone selection interface, so as to select the time zone;

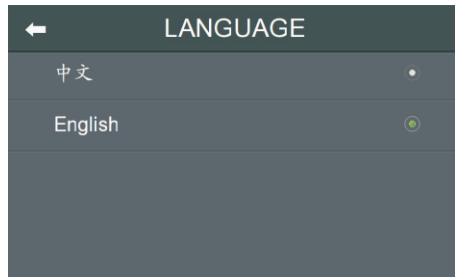
TimeZone Choose	
GMT+03:00	Moscow
GMT+05:00	Karachi
GMT+07:00	Bangkok
GMT+08:00	Beijing, Hongkong
GMT+09:00	Seoul, Tokyo
GMT+10:00	Guam

- ⑤ Touch “Time and date setting” to enter the time and date setting interface, so as to modify the time and date.



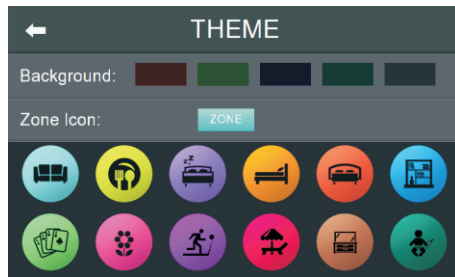
2.2 Selection of language

Touch “language” to enter the language selection interface, so as to switch the language of host between Chinese and English.



2.3 Selection of theme

Touch the “theme” to enter the background selection interface. There are five background colors including red, green, blue, brown and gray and 12 zone diagrams for your switching. When switching, please select the zone in advance.

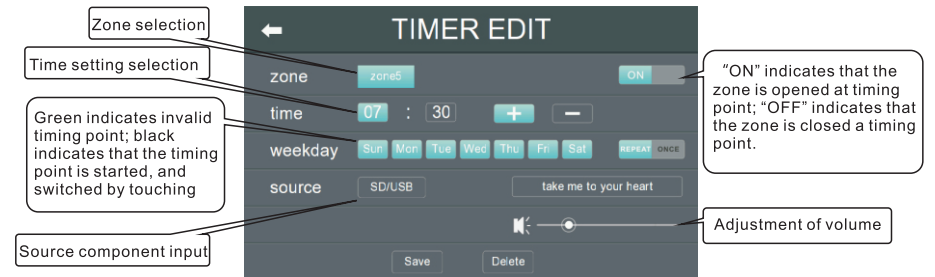


2.4 Timing setting

- ① Touch “timing” to enter the timing setting interface;

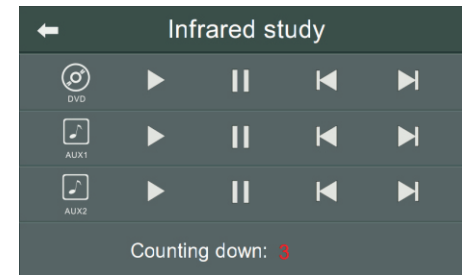


Touch the place as shown in the figure above to enter the timing edition interface.



2.5 Infrared study

Touch “infrared study” to enter the infrared study interface.



When entering the infrared study operation interface for the first time, it can be seen that the function buttons of learning displays the dark gray. Finishing the leaning, such functional buttons will display the bright green. For example, if you want to learn the “play” function of DVD, first touch the DVD play button as shown on the above figure, the countdown at the bottom will be started; then align the infrared remote controller of DVD with the infrared receiving receiver module of the host within 30 seconds and press the play button on the remote controller; when the countdown as shown in the figure above stops and disappears, and the play button on the panel is lighting, the learning of the play function is completed (Look the figure below, the interface after the successful learning of DVD play button). The operation method for learning of other items is the same as that of the “play” item.