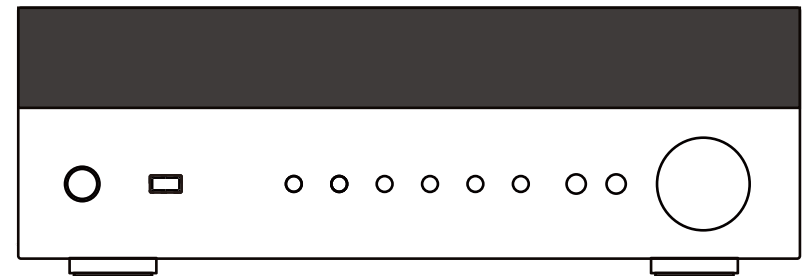




PRODUCT MANUAL



Brand&manufacturer:
KINMA HIGH-TECH CO., LTD.
Address: Flat B, 4/F., Block AB, F4.8 Bldg., Tian'An Cyber Park, Futian, Shenzhen, China
Post Code:518040
TEL: +86-755-88359102 FAX: +86-755-88359100

PT865BT

WARNING

Thank you for purchasing this product, which shows that you have a deep knowledge of audio equipment. We are very honored to provide you with a good product. Please read this operation manual carefully before operating this machine for the first time, and then you can operate and realize all the functions of this machine correctly.



WARNING

Don't open it.
Be careful of electric shock



Intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



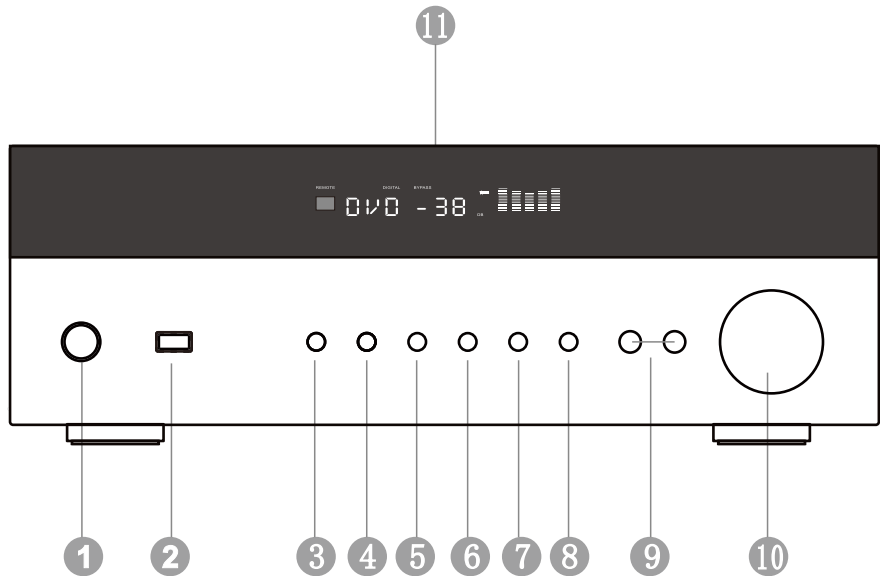
Intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

SAFETY RECOMMENDATIONS

01. Read the instructions: Before using the electrical appliances, read all safety and operation instructions.
02. Preservation instructions: The safety and operation instructions shall be kept for use after B.
03. Caution: All warnings in the operating instructions should be followed.
04. Follow the instructions; All contents described in the operation and instructions shall be followed.
05. Device: The device shall follow the contents of the device manual provided by the manufacturer.
06. Power supply: The appliance can only be used according to the type of power supply marked on the back panel.
07. Grounding and polarity: This appliance does not need grounding connection. Make sure that the plug is fully inserted into the power outlet on the wall to avoid exposed pins. If the plug is not applicable, ask an electrician to replace the power outlet. Do not damage the safety of the polarity plug.
08. Power line protection; The power cord shall be arranged properly and shall not be heavily charged or pressed. Pay special attention to the power cord at the plug, the directivity of the socket and the position behind the electrical outlet.
09. Overload: Do not overload the wall (external line) power outlet, extended power cord, or socket as a whole, as this may lead to fire or electric shock.
10. Ventilation: There is a heat dissipation device behind the product amplifier. It is not allowed to put it on the bed, sofa, blanket or other similar surfaces and cover it. Do not place any objects on the electrical panel, such as tablecloths or newspapers.
11. Heat: This product should be kept away from heat sources, such as; Radiation device, heater, furnace or other heating device (including amplifier). These products generate heat. Place away from flames, such as candles.
12. Wall mounting: This product can only be installed on the wall according to the manufacturer's recommendation.
13. Moisture and moisture: To reduce the risk of fire and electric shock, do not expose the product to rain or water splash, and do not use the product near water.
14. The entry of objects and liquids; It is not allowed to put objects into the product through the entrance, because it may encounter dangerous voltage components or short circuit components that may cause fire and electric shock. Never allow liquid to spill into the product.
15. Cleaning: Please unplug the power plug before cleaning. If you need to use the cleaner, please spray the cleaner onto the cloth for cleaning. Do not spray the cleaner directly onto the box.

16. Move the appliance; When transporting with a handcart, be careful and stop suddenly. Excessive force or uneven road surface may cause the product and handcart to overturn.
17. Out of service period: when the atmosphere becomes bad (wind, lightning) or the appliance is not used for a long time, the power plug should be unplugged.
18. Repair: Do not attempt to repair the product by yourself, because opening or opening the cover can expose you to dangerous voltage or other dangerous factors. If maintenance is required, please contact a professional for maintenance.
19. Replacement parts: when replacing parts, it is necessary to ensure that the parts used by maintenance personnel are those specified by the manufacturer, or the parts should have the same performance as the original parts. Replacing them with unsuitable parts may cause fire, electric shock or other hazards.
20. Do not turn up the volume when listening to low-level input or parts without audio signal. Otherwise, the loudspeaker may be damaged when playing to the peak level part.
21. The only way to completely cut off the power supply is to unplug the power cord plug from the socket.
22. This product is only for indoor use.

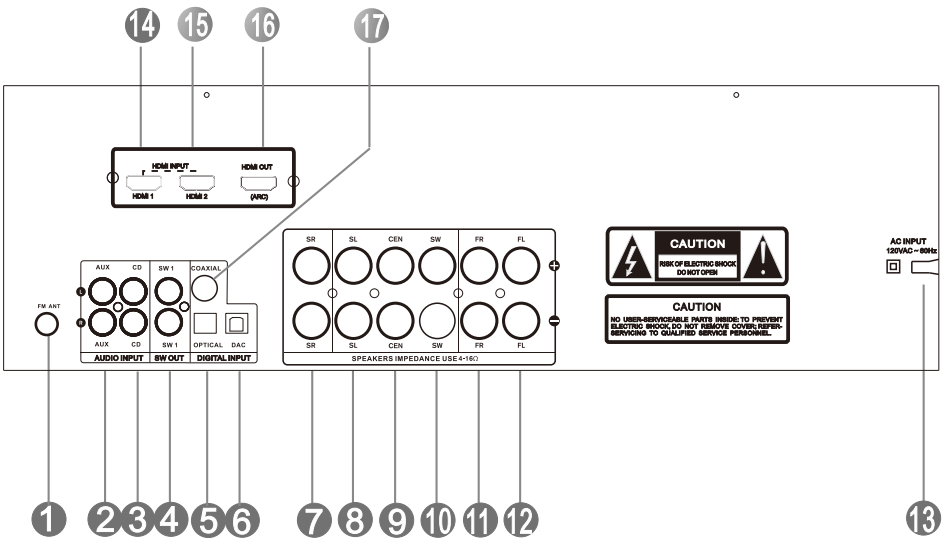
PANEL FUNCTION DESCRIPTION



1. Power switch
2. USB ports
3. Input selection button
Push down this button, can choose the following source respectively HD1 / HD2 / COAX/OPT1 / FM/CD/AUX/BLUE/USB/ARC/DAC
**DAC signal will be displayed only when the signal cable is plugged in
- 4/5/6.....<CH-,>CH+ Function button
Using these three keys, BT(Bluetooth), USB and FM operation functions can be achieved:
 - a. In the BT(Bluetooth) or USB mode, press these three keys to operate the previous song, play/pause and next song functions respectively;
 - b. In the FM radio channel, press these three keys to operate the functions of station selection -, automatic station saving and station selection + respectively.

7. Microphone menu button
Press this key, with the total volume/multi-function adjustment knob, respectively adjust the microphone volume, treble and bass, echo, delay parameters
8. Main menu buttons
Press this key and adjust the total volume, bass and treble parameters respectively with the master volume/multi-function adjustment knob.
9. Group 2Φ 6.35 microphone jack
10. master volume/multi-function adjustment knob
Rotate the knob to adjust the total volume, and adjust the parameters of music and microphone respectively with the main menu and microphone menu.
11. Display

REAR PANEL FUNCTION DESCRIPTION



1. FM radio antenna interface
2. AUX audio input
3. CD audio input
4. Active subwoofer output port
5. Digital Optical fiber input port
6. DAC port
7. Right surround speaker output
8. Left surround speaker output
9. Center speaker output
10. Passive subwoofer output
11. Right front speaker output
12. Left front speaker output
13. Power cable input port
14. HD signal 1 Input port
15. HD signal 2 Input port
16. HD signal output ARC
17. Digital coaxial input port

TECHNICAL PARAMETER

Operating voltage AC120V~60Hz

Rated output power :390w

FL/FR output power :100WX2(4Ω)

Bass output power :100W(4Ω)

CEN output power :30W(4Ω)

SL/SR output power :30WX2(4Ω)

Frequency response :20Hz~20KHz

Speaker impedance: 4-8ohm

Signal-to-noise ratio : >76dB

THD(1KHz): <0.5%

Input sensitivity: 600mV

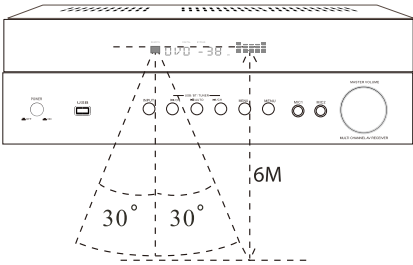
Treble :9dB(10KHz)

Bass :9dB(100KHz)

FUNCTION DESCRIPTION

- HDMI 2 in 1 out, with ARC function
- Optical and coaxial input /DAC audio decoding
- Bluetooth V5.0
- USB decoding, support APE/FLAC lossless music
- Digital karaoke
- FM radio
- DSP sound field effect
- Full-function infrared remote control
- 6-channel independent amplification
- Power off memory
- New switching power supply with high efficiency output, strong power and short circuit protection design

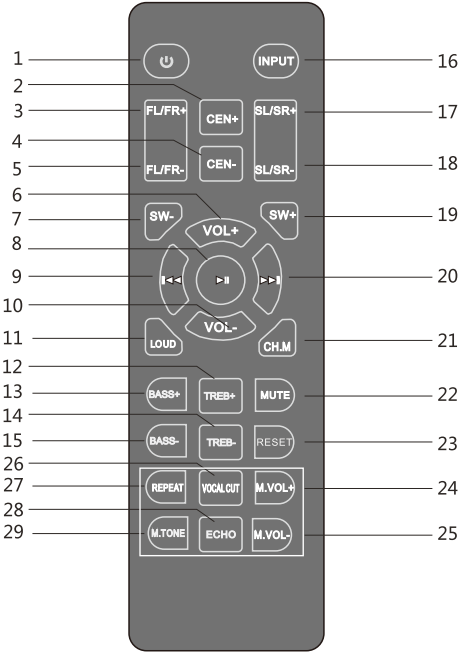
FUNCTION INTRODUCTION OF REMOTE CONTROL



DISPLAY SCREEN

- (1) Under normal circumstances, the remote control should be used within a range of about 8 meters in front of the remote control receiver. When operating the remote control, aim the remote control at the remote control receiving window of the machine.
- (2) There should be no large obstacles between the remote control and the machine
- (3) The remote control may fail if the receiver is in a position where it is directly exposed to a strong light, especially a converter type fluorescent lamp, etc. In this case, please remove the unit to avoid direct exposure
- (4) When the sensitivity of the remote control decreases, the battery must be replaced.

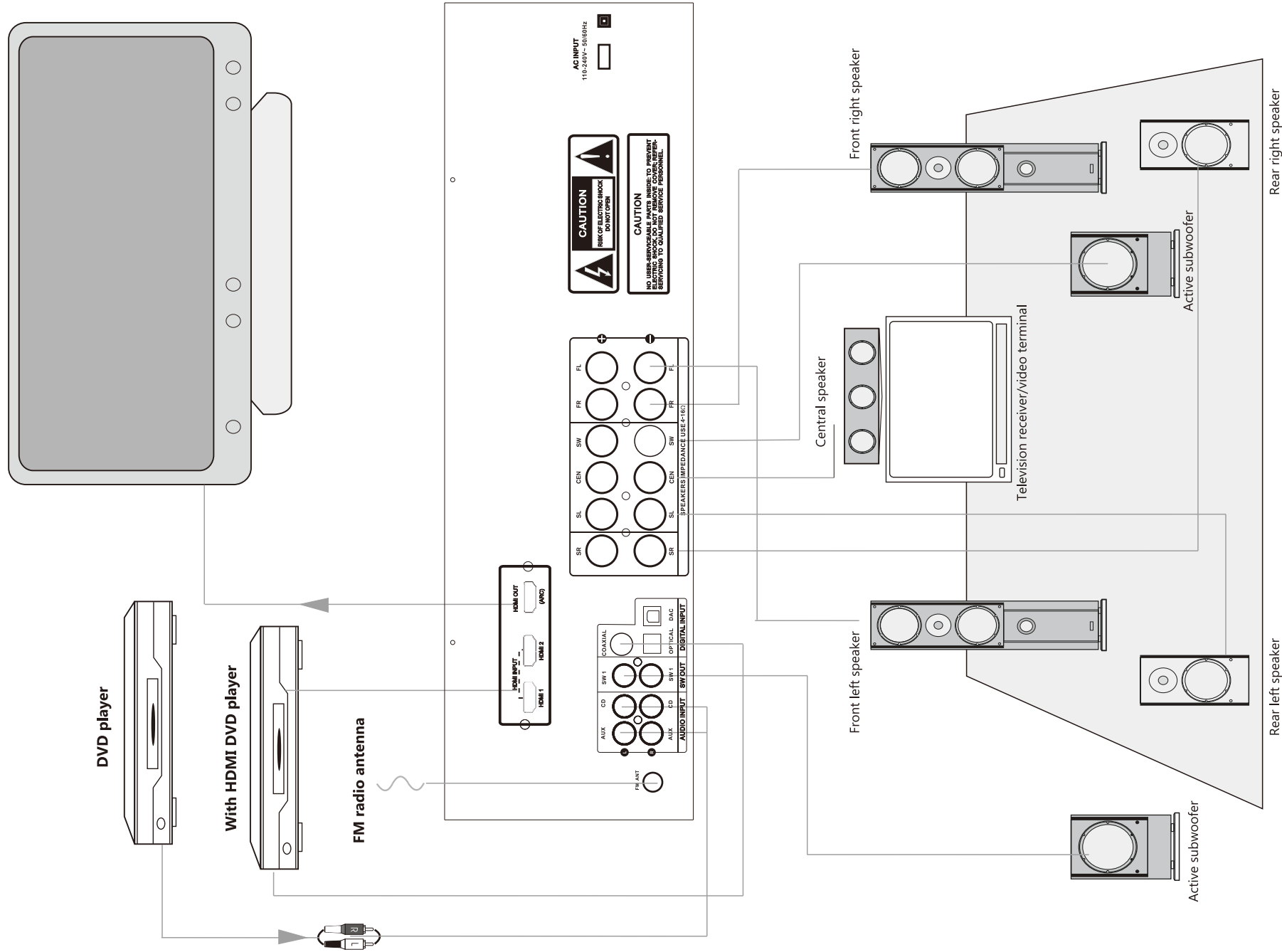
Note: If you do not use the remote control for a long time, please take out the battery to avoid battery fluid overflow and damage to the remote control.



- | | | |
|---|--|--|
| 1. Power button (press OFF to shut down/display go out) | 10. Total Volume down | 22. Mute |
| 2. Center volume up | 11. loudness | 23. System reset |
| 3. Front channel volume up | 12. Treble volume up | 24. Microphone volume up |
| 4. Center volume down | 13. Bass volume up | 25. Microphone volume down |
| 5. Front channel volume down | 14. Treble volume down | 26. Cancel voice in karaoke |
| 6. Total volume up | 15. Bass volume down | 27. Repeat playback on USB flash drive |
| 7. Sub channel volume down | 16. Signal source switch button | 28. Microphone echo delay setting |
| 8. Play/pause (The radio searches automatically) | 17. Surround channel volume up | 29. Microphone volume menu setting |
| 9. Previous song (Previous frequency radio station) | 18. Surround channel volume down | |
| | 19. Sub channel volume up | |
| | 20. Next (Next band radio station radio station) | |
| | 21. Channel 2.1/5.1 Switch key | |

**** part of the keys must be the corresponding mode to open, otherwise invalid**

SYSTEM CONNECTION

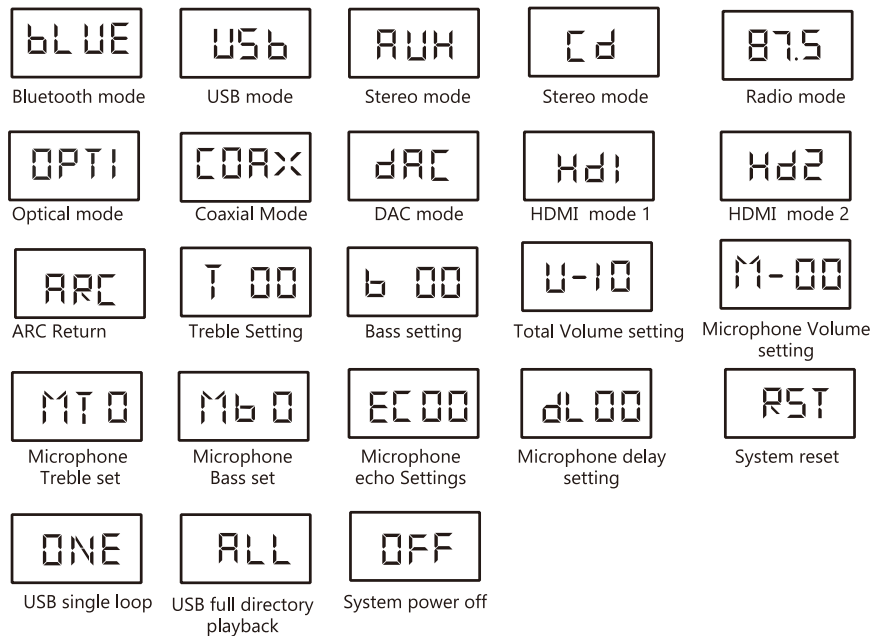


** As shown in the above connection, find the audio cable and follow the following points when connecting:

1. Sound line has color, power amplifier rear R and L port also has red and black color, please follow the principle of two end color, ensure that the polarity of the two end is consistent, so as not to produce sound quality divergence, low bass phenomenon.
2. When connecting the audio wire, please pay attention to the two ends of the stripped steel wire can not cross together, so as to avoid short circuit and burn the machine.
3. Sound line are required to pin wire inserted into the power amplifier and audio equipment connection column and clockwise bar, with the hand gently pull not loose, to ensure that the audio equipment work does not shock Movement produces noise.
4. Audio equipment and power amplifier need to be connected to the sound line after the power supply

DISPLAY GRAPHIC INSTRUCTION

As the display screen of the product is a digital display, the ICONS displayed are somewhat different from common letters, so please follow the instructions below to understand the operation.



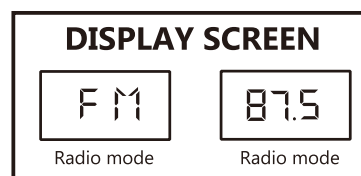
OPERATION INSTRUCTION

*Connect the power supply and start operation

1. Insert one end of the accessory power cord tightly into the power input port at the back of the product and the other end into the power socket
2. Press the power switch of the machine, and "-HELLO" will appear on the display screen. After 2 seconds, it will jump to the user's last use.
3. the above mentioned completion, boot, successful completion, next to excavate the equipment connection

*Radio connection

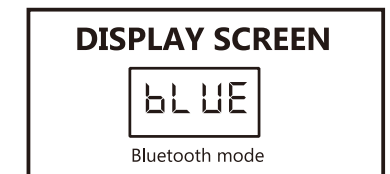
1. Tightly insert the radio antenna into the FM port at the rear of the corresponding machine. In order to ensure the radio effect, please lengthen the FM antenna to the outward direction as far as possible
2. The "INPUT" key on the lower panel or the encounter controller displays FM or 87.5 digits, indicating that the signal has been switched to the horizontal mode of the radio:
3. Long press the key of the remote controller to automatically search for stations. At this time, you need to wait for more than 5 minutes
4. After the search is completed, it will jump to the first saved radio station: If you need to manually select the saved radio station, you can use and to achieve this



OPERATION INSTRUCTION

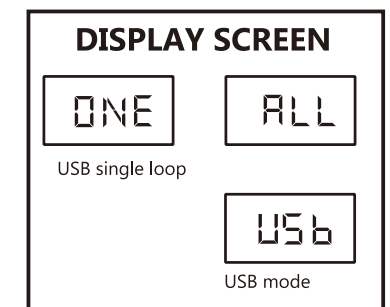
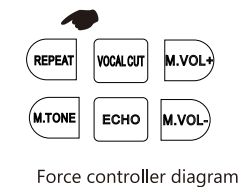
*Bluetooth connection

- Turn on the power supply of the machine and switch the mode to "BLUE" . When the letters flash well, it is Bluetooth state.
- A. Turn on the Bluetooth function of the mobile phone or other device to search the device.
 - B. When the name "AV-6188HD" appears in the search list, click and match the connection with it without password. If you can't find it, try to renew it a few times or try to turn on and off the Bluetooth of the mobile phone again
 - C. After the connection is successful, the "BLUE" on the screen will stop blink, and the "Connected" will be displayed on the mobile phone
 - D. At this time, turn on the mobile phone to play music, and pay attention to turn up the volume of the mobile phone. The wireless barrierless distance is about 5-10 meters.



*USB mode

1. Press the INPUT key of the panel or remote control to switch to "USB "mode. If you insert the USB disk directly in other modes, it will automatically take precedence.
2. When the display of the machine displays "00:00" and the number of seconds changes, indicating that the file on the USB flash drive is being read at this time.
3. please ensure that the USB flash drive only store audio format files do not establish the root directory, and do not store other types of files such as video, if still can not read normally, please try to format the USB flash drive, the maximum capacity of the USB flash drive should not exceed 64G.
4. the machine has power off memory function, support audio format :MP3.WMA.FLAC.APE

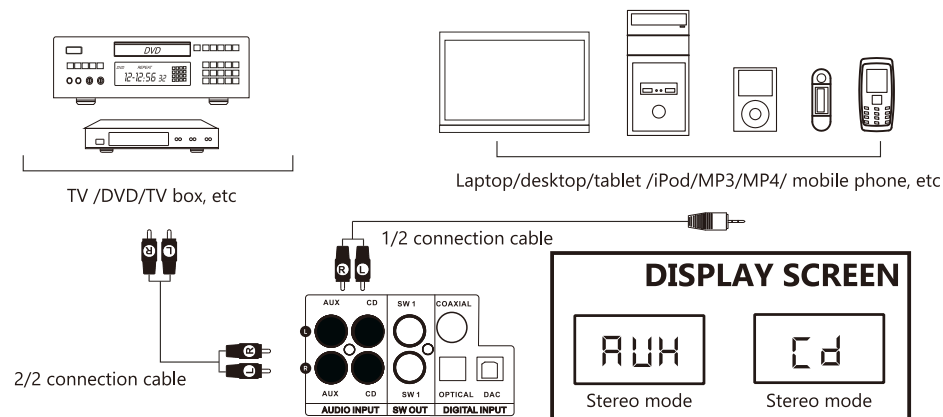


*Language hints:

1. During the process of holding music, please do not pull out the U disk to avoid physical injury of the U disk.
- 2, in order to ensure a better listening effect, please try to choose a large capacity of high factor music files for observation.

OPERATION INSTRUCTION

*AUX/CD audio connection

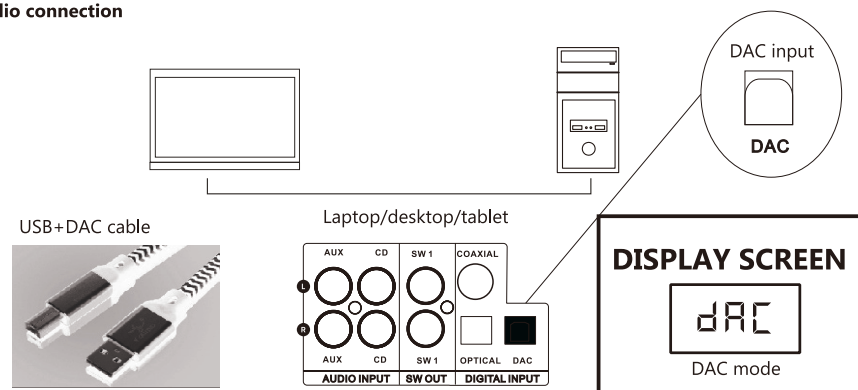


There are many kinds of playback devices that support AUX/CD, such as computers, televisions, projectors, TV boxes, DVDS, and power players

Mobile phones, MP3, these devices generally have two kinds of output ports:

- one is marked with L/R red and white lotus port, this equipment needs to use 2 to 2 audio connection line, please be sure to correspond to the red and white, otherwise there will be current sound;
 - one is 3.5mm headset universal stereo port, this need to use 1 to 2 audio connection line
- Press the panel INPUT or the direct selection key of the remote control until "AUX" or "CD" is displayed.
 - Select the appropriate audio cable corresponding to AUX or CD , and connect the playback device to the audio (as shown in the figure above).
 - Confirm the connection, set the volume above 17, and then play the audio through the player;

*DAC audio connection

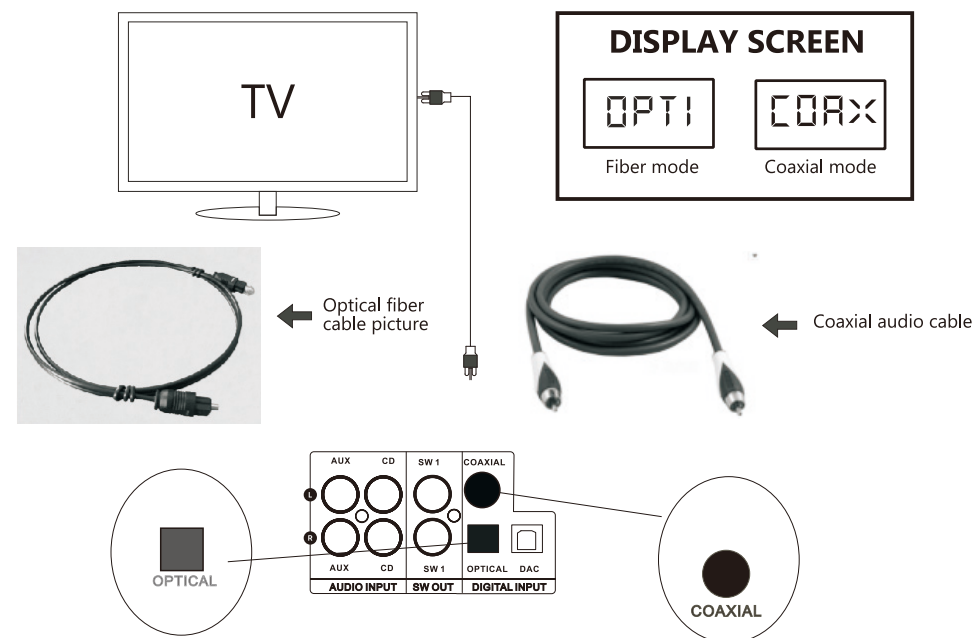


- The machine is equipped with a DAC digital-to-analog audio interface, which can directly connect to the USB computer sound card
- Use the dedicated DAC connection cable to connect to the DAC interface of the machine (as shown in the figure above). Both ends must be plugged in place.
- Press the "INPUT" key of the panel until "DAC" is displayed, indicating that the current signal has been switched to DAC mode
- After confirming that all connection cables are correctly set, turn up the volume of the machine and start playing audio

**** This amplifier detects DAC sound intelligently, only can select DAC mode after wire connected and signal has been transmitted**

OPERATION INSTRUCTION

*Digital signal optical/coaxial connection



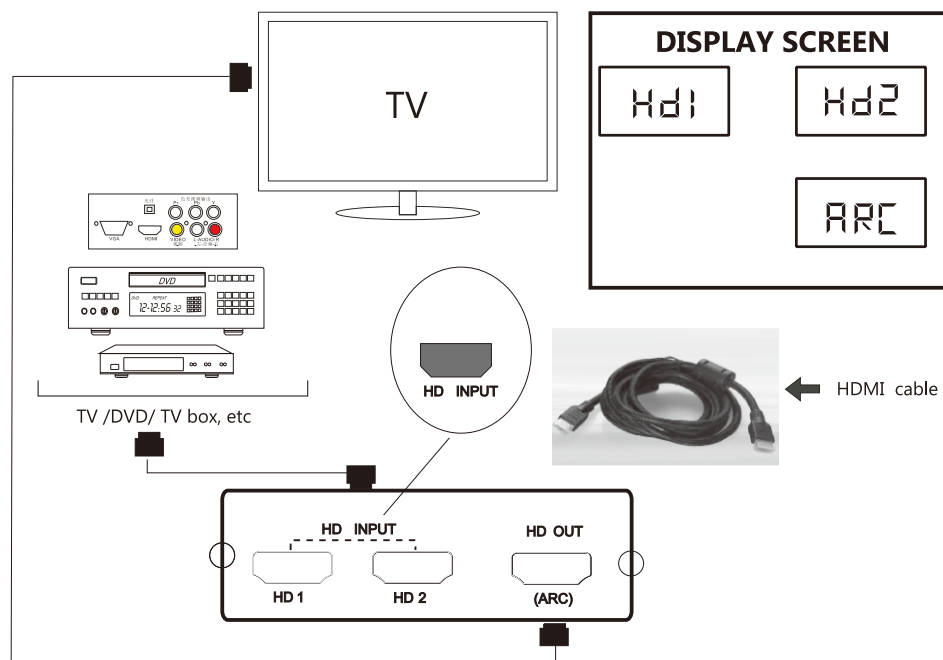
- Press the "INPUT" of the panel or remote control, Until show the English words "OPT1" and "COAX "
- Select the suitable audio signal cable to connect the audio and the equipment.
- After the connection is complete, increase the system volume of the playback device to the suitable level.
- If all the above connections are correct or no sound , you need to enter the system setting menu . Specific operations are as follows.

- Go to the system Settings - find the sound Settings - select the output device (TV - digital coaxial or optical SPDIF- HDMI/ARC- Bluetooth) according to the corresponding output selection
- Sound setting -- Audio output format (automatic /PCM, please select PCM)

**** Please note that the audio signal output format must be set to PCM if the external playback device uses digital signal (optical fiber, coaxial,DAC,HDMI/ARC) to connect the machine.**

OPERATION INSTRUCTION

*HD audio connection

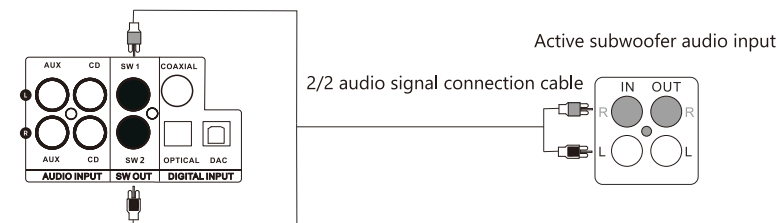


1. Turn on the amplifier and press the "INPUT" key on the panel or remote control until "HDI" is displayed, which means that the current signal has been switched to the first group of HD mode, and the other group of HD input of the speaker is only optional. When using ARC function, you must switch to "ARC".
2. Select the suitable audio cable corresponding to the HDMI port connected to the audio, and connect the playback device to the audio (as shown in the figure above).
3. Set the sound volume above 17, and then play the audio through the player;
4. If no sound comes out, please increase the volume of the playback device, and increase the sound volume at the same time, and check whether the film source is showing the state of playing, whether the HD cable is tightly plugged in, whether the input and output lines are inserted in reverse;
5. If all the above connections are correct or there is no sound or noise, you need to enter the system setting menu of the playback device. The specific operations are as follows:

- A. Go to System Settings -- Find sound Settings -- Select the output device (built-in speaker of TV -- Digital coaxial or optical SPDIF-- HDMI ARC-- Bluetooth) and select ARC
- B. Sound Settings - Audio output Format (Source/Automatic /PCM), make sure to select the PCM option
- C. ARC return function requires the TV to have this function, usually the TV will mark HDMI(ARC), only a line connected to the corresponding audio HD output

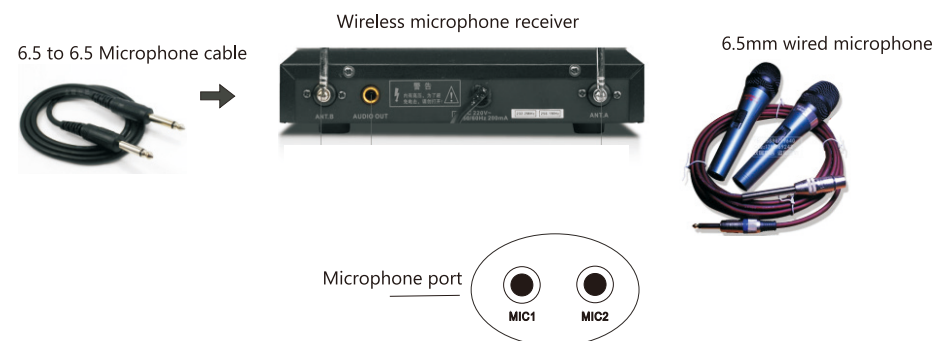
OPERATION INSTRUCTION

*Auxiliary subwoofer signal connection



1. This interface is mainly an upgrade configuration for individual users with high demand for bass, which improves bass to a large extent.
2. Select the appropriate audio cable corresponding to the SW OUT port connected to the audio, and connect the Sub to the amplifier (as shown in the figure above).
3. Please note that the external subwoofer must be active.suggest to be with 8-inch bass driver and rated power above 100W.
4. If subwoofer no sound out, please put the remote control button BASS+, in addition to the subwoofer itself volume up.

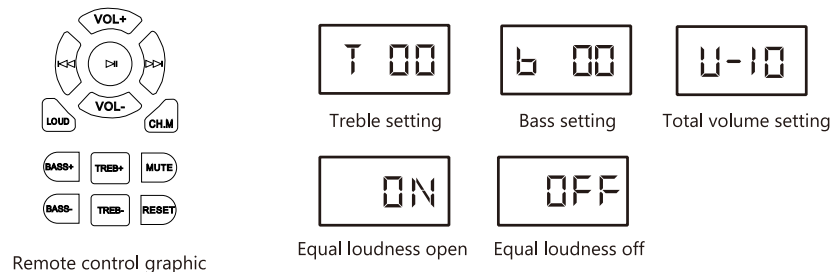
*Microphone connection



1. the machine can be connected to wired and wireless microphone sets, just need to insert 6.5mm audio cable into the microphone single interface of the sound;
2. about the microphone effect, depends on the sound volume Settings, as well as the quality of the microphone and the scene environment, about the microphone volume Settings have detailed instructions, please jump read the instructions;

SOUND SETTING INSTRUCTIONS

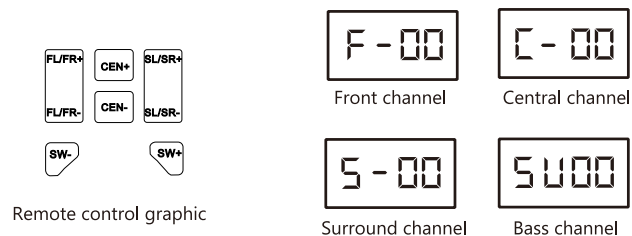
A .Treble/Bass and total volume Settings



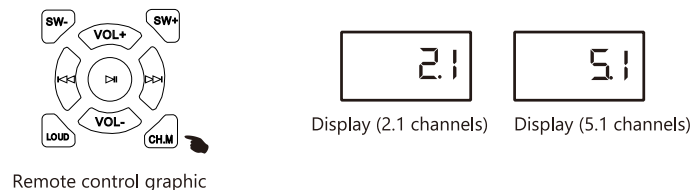
1. To adjust the treble of the overall sound, press TREB+ of the remote controller, or press TREB-.
2. To adjust the BASS of the overall sound, please press BASS+ of the remote controller, or BASS-.
3. The gain of the machine is ± 9 ;
4. To adjust the overall sound volume, press VOL+ of the remote controller, or press VOL-. The default value is 10 and the maximum value is 32.
5. Switch loudness, press LOUD on the remote controller to increase the low frequency by 3dB.

B.5.1ch volume setting

(Set the volume of each channel to 0-10. By default, the volume of each channel is 10 when the machine starts up)



1. The machine can adjust the volume of each channel independently. For details, see the following;
2. Please find the corresponding area of each channel remote controller, where FR represents the front right channel, FL represents the front left channel, CEN represents the center channel, SW represents the sub channel, SL represents the surround left channel, SR represents the surround right channel, the volume of each channel is set to 0-10, the default volume of each channel is 10 when the machine is started:
3. If the center channel and surround channel are not adjustable, please refer to the following solution and press the CH.M button of the remote controller. The screen will switch between 2.1 and 5.1 channels.under 2.1ch mode,center and surround is not adjustable.



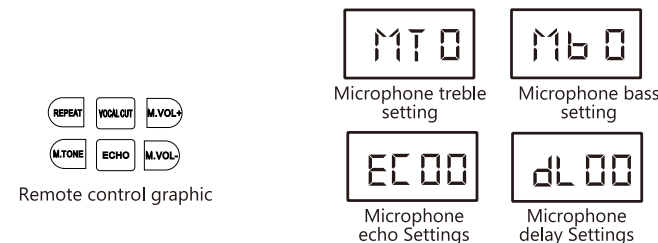
SOUND SETTING INSTRUCTIONS

C. Mute Settings



1. Find the MUTE key of the remote controller, press it, and the word "U-00" will appear on the screen. At this time, the sound will be silent.
2. It should be noted that the screen of the sound after the mute is pressed will keep flashing, and the screen will return to normal after the mute is canceled.

D.MIC volume setting



1. To adjust the total volume of the microphone, please press M.V + and M.V -:
2. To set the treble of the microphone, please press M. TONE first, then press MT0 to indicate the treble, then press M. VOL+ or M. VOL- of remote controller Bass setting is the same,but to choose MB0 for M.TONE setting. To set microphone echo and delay, please press ECHO key of remote controller, press ECOO to indicate echo, press dL00 to indicate delay, and then press M.VOL + or M.VOL - of remote controller to increase and decrease.

E. Karaoke, Vocal cut



F. Sound reset Settings



1. the machine has automatic storage function for each volume setting, restart after power off,it can return to the previous setting
2. if the setting is not satisfied or the tone is confused, you can directly press the remote control "RESET" to reset to the factory volume setting

PROBLEM SOLVING

Problem	Reason	Solution
The screen is abnormal or faulty	External interference, CPU problem	Power it off, unplug it, and turn it back on
No sound	· The speaker is improperly connected · The audio device is improperly connected · The power cable plug is improperly connected to the socket · Low voice · Mute mode · Speaker short circuit	· Close connection · Check that the audio device is connected correctly · Connect the power supply correctly · Adjust the volume to the right position · Hit the mute button · Turn off the power and connect the speaker · restart
Sound distortion	· Amplifier input error · Too loud	· Proper connection · Adjust the volume appropriately
Staccato And relay There is a ticking noise	· The impedance of the speaker is less than 4 ohms · Too loud · The speaker is short-circuited or connected incorrectly	· Use paired impedance speakers · Adjust the volume appropriately · Turn off the power and connect the speaker List of attachments restart

ACCESSORIES LIST

1. Amplifier
2. Remote
3. Fm ant

FCC Warning

15.19 Labeling requirements.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

15.21 Information to user.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

15.105 Information to the user.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC RF Radiation Exposure Statement:

- 1.This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
- 2.This equipment complies with RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.