

# ***Acesonic***

## **AM-190**

### **PROFESSIONAL KARAOKE MIXING AMPLIFIER MANUAL**

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WWW.ACESONIC.COM  
CITY OF INDUSTRY, CA U.S.A

# Content

Preface.....	2
Characteristic.....	3
Front panel parts & function.....	3
Rear panel parts & function.....	4
Equipments connection instruction.....	5
Signal cord connection.....	6
Maintain.....	6

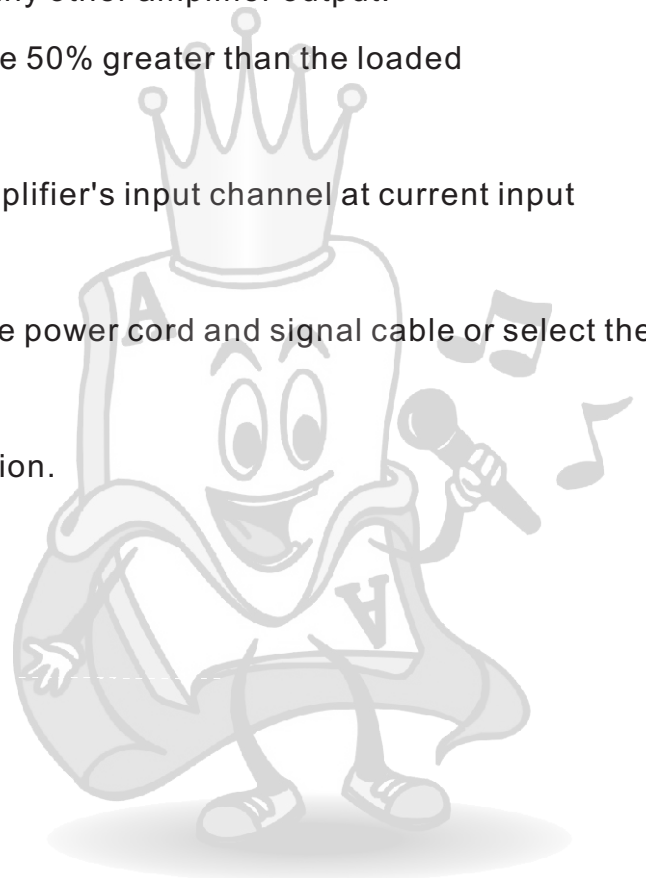


## PREFACE

Thank you for purchasing our Professional Power Amplifier. Please read this manual carefully before using the product, and keep this manual as well for further reference. Provided any product found quality problem, we will responsible for one-year repairing service.

## IMPORTANT PRECAUTIONS

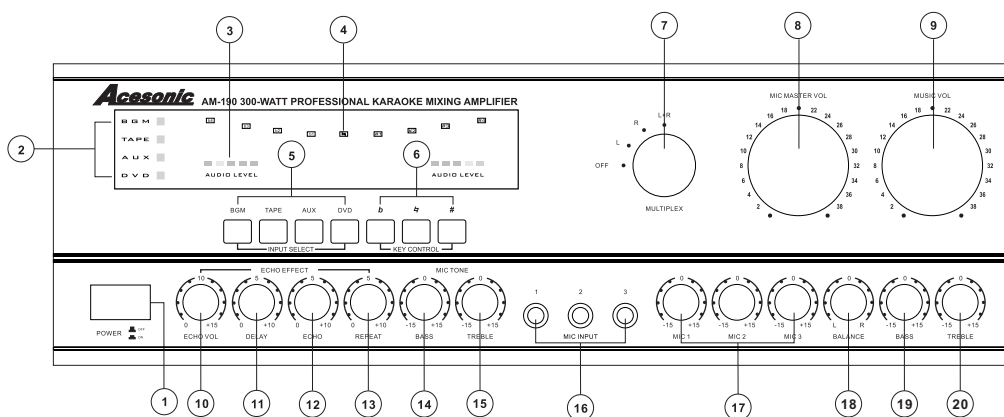
1. Mains voltage must be correct as same as that printed on the rear of the unit. Damage caused by connecting to improper AC voltage what is not covered by any warranty.
2. Always operate the unit with the AC ground wire connected to the electrical system ground. Precautions the grounding of the equipment is not defeated.
3. Do not drive the inputs with a signal level greater than that required driving equipment to full output.
4. Do not run the outputs of any amplifier channel back into another channels input. Do not parallel or series connect an amplifier output with any other amplifier output.
5. In system set up, amplifier's output power must be 50% greater than the loaded loudspeaker's rated power.
6. Made sure the signal correctly connect to the amplifier's input channel at current input mode.
7. Please turn off the power switch , when pull off the power cord and signal cable or select the input mode switch.
8. In typical use, please set the volume to 0dB position.
9. Please clean the dust filter every 15 days.



# Characteristic

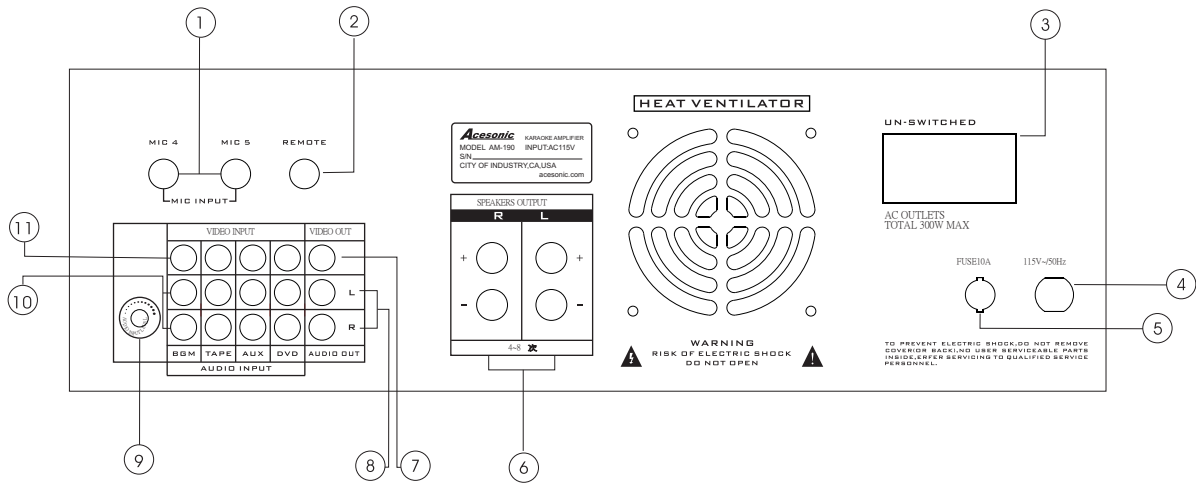
- › 150W + 150W (8ohm) Max Power Output
- › 4 Audio & Video Source Selection
- › 5 Microphone Inputs.(3 Front + 2 Rear)
- › 8-Step Key Controller
- › Microphone Bass & Treble Adjustments
- › 3 Individual Microphone Volume Controls

## front panel parts & function



1. Power switch
2. Signal indicators: To display working state of input channel.
3. Level indicators: To display output level of left & right track.
4. Tone indicators: To display tonal modification state.
5. Input channel switch: Signal input channels selection.
6. 8-step key control: "b" for key down, "#" for key up, "↵" for key reset.
7. Sound channel(Multiplex) switch: Switch to "OFF" is for cutting the music signal; switch to "L" is to boosting left track of the music signal only; switch to "R" is to boosting right track of the music signal only; switch to "L+R" is to boosting both left and right track of the music signal.
8. MIC MASTER VOL: To control the volume of all microphones.
9. MUSIC VOL: To control the volume of music.
10. Volume controller of microphone ECHO effect.
11. Delay adjustment of microphone ECHO effect. To adjust interval between repeat.
12. Repeat adjustment of microphone ECHO effect.
13. Return adjustment of microphone ECHO effect.
14. Bass adjustment of microphone: Revolving as clockwise, bass for microphone will be enhanced gradually.
15. Treble adjustment of microphone: Revolving as clockwise, treble for microphone will be enhanced gradually.
16. Microphone input jack. (MIC1;MIC2;MIC3)
17. 3 individual microphone volume control: To adjust opposite microphone volume by separate. (MIC1; MIC2;MIC3)
18. Balance adjustment of music: To adjust volume of left & right track of music signal.
19. Bass adjustment of music: Revolving as clockwise, bass for music will be enhanced gradually.
20. Treble adjustment of music: Revolving as clockwise, treble for music will be enhanced gradually.

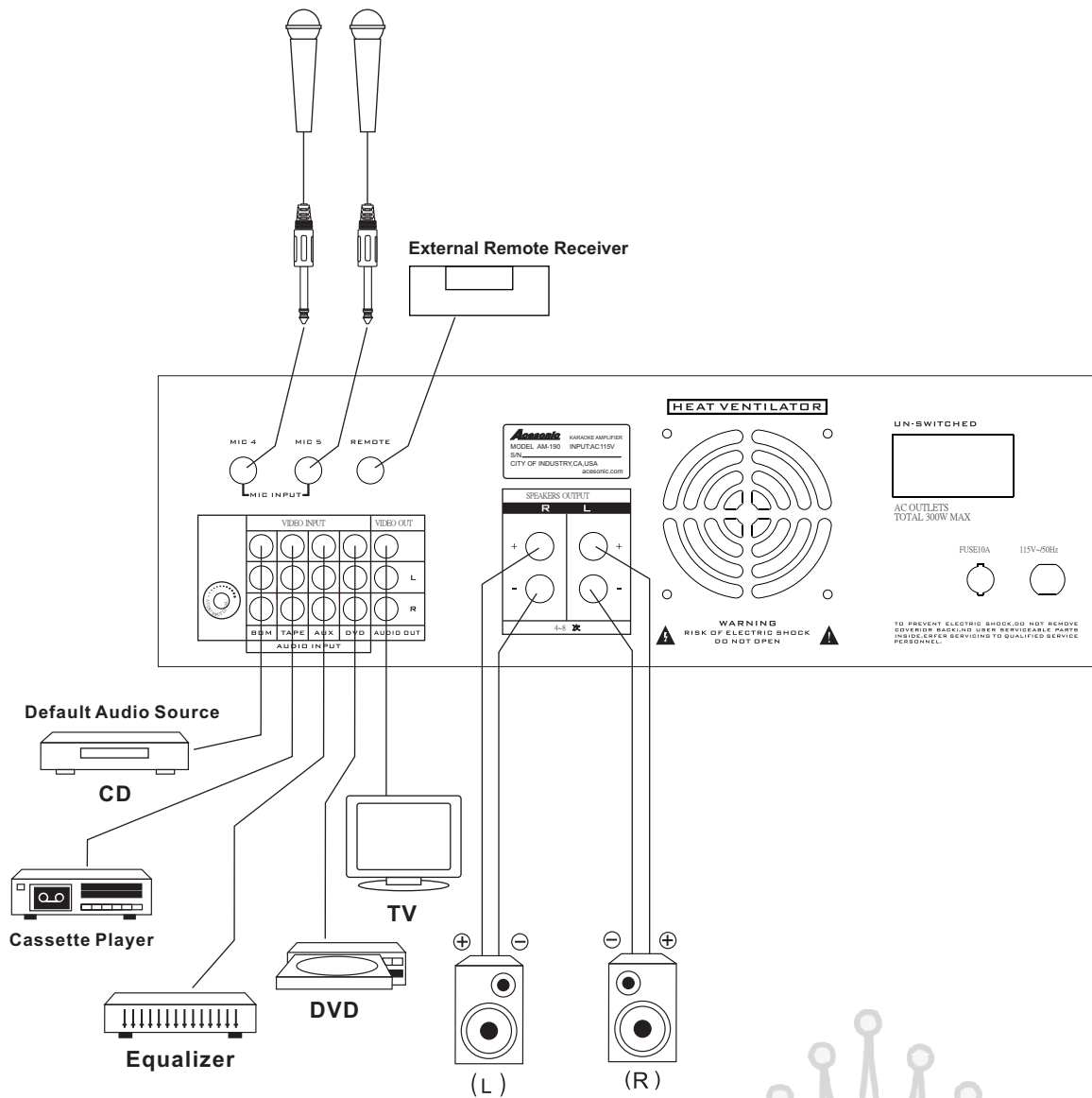
## Rear panel parts & function



1. Microphone input jack (MIC 4, MIC 5)
2. External remote receive sensor jack
3. AC outlets with max 300 Watts
4. Power cord, 115V/50Hz
5. Fuse slot; to avoid burning the amplifier, fuse will be burned when amplifier is overload or short circuit
6. Main speaker output
7. Visual output
8. Audio output
9. Audio input level adjustment
10. Program audio input (BGM, TAPE, AUX, DVD)
11. Program audio input (BGM, TAPE, AUX, DVD)

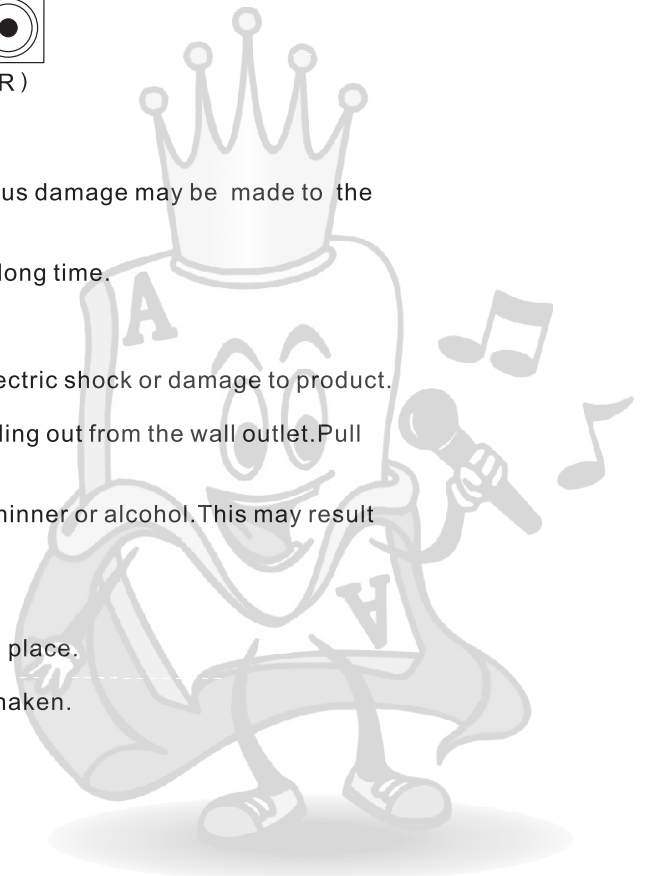


# Equipments connection instruction



## CAUTION

1. Be careful when opening, otherwise electric shock or serious damage may be made to the product.
2. Unplug this product from the wall outlet when not use for a long time.
3. Unplug this product from the wall outlet during lightning.
4. Do not put metals inside this product as they can cause electric shock or damage to product.
5. Arrange power cords safely. Do not hold the cord when pulling out from the wall outlet. Pull out holding plug.
6. This product must not touch chemicals such as benzene, thinner or alcohol. This may result in discoloration.
7. Do not use this product in wet place.
8. This product should be installed in well-ventiated and cool place.
9. This product should be installed flatly and should not be shaken.



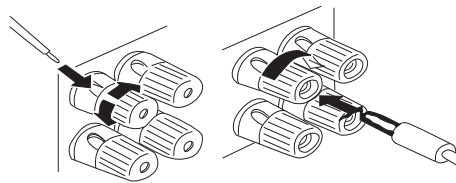
## Signal cord connection

Use standard and correct wire to connect with the sound box, the shorter the wire the better, the better quality it will be.

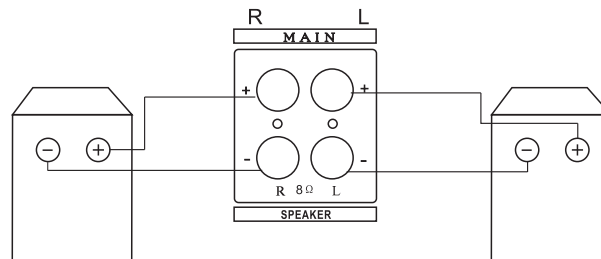
Cutting down about 10mm of the insulating part of two terminals of wire. Must be screw wire core tightly if wire and wire core separated.



Revolve the knob and plug in the bare wire, revolve the knob tightly while connecting the plug and sound box. Or use a banana plug to insert the relevant plug.



To select the correct impedance sound box, if the sound box is of bad quality or low impedance, it will result in breaking the unit and sound box or protecting the circuit motion frequently.

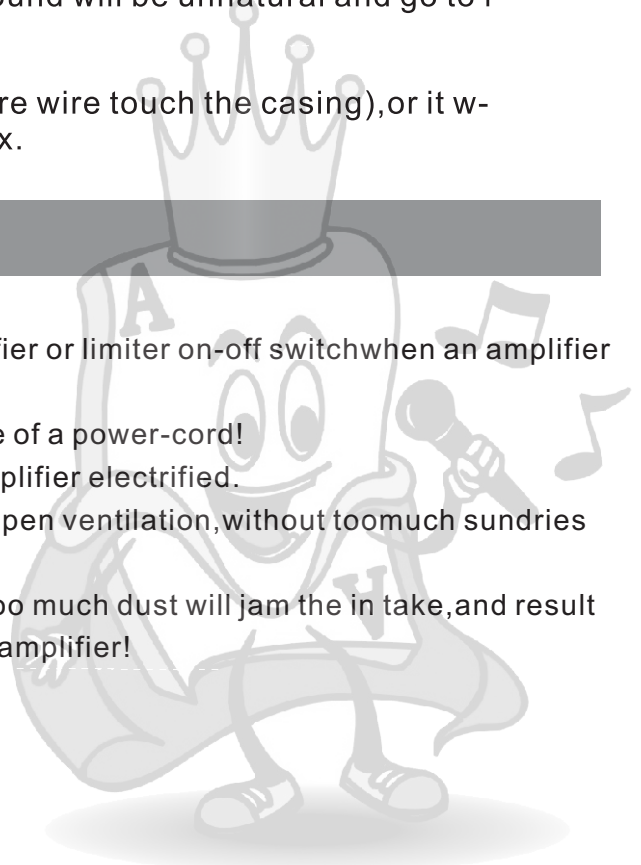


Confirm if connected in correct polarity, or the sound will be unnatural and go to fuzzy.

It must not be in short polarity (+-) (if the bare wire touches the casing), or it will be broken down the machine and sound box.

## Maintain

1. Never move the input mode select switch of an amplifier or limiter on-off switch when an amplifier or is electrified!
2. Never use your amplifier by unplugging the earth wire of a power-cord!
3. Check the local power voltage carefully before an amplifier is electrified.
4. Maintaining the intake and outtake of your amplifier open ventilation, without too much sundries and dust.
5. Clean your amplifier dust filter temperly, for fear that too much dust will jam the intake, and result in over temperature inside, even result in burning the amplifier!



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