



# AM-148

## 160-Watt Karaoke Mixing Amplifier

# User Manual

*NOTE: To ensure this system works safely and to its fullest potential, please read this User's Manual carefully before operation and keep for future reference.*



Thank you for purchasing Acesonic AM-148 160-Watt Karaoke Mixing Amplifier. Acesonic takes pride in providing its customers with only the most advanced and highest quality products on the market. With proper care and use your Acesonic product will provide you with many years of enjoyment.

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### : Main Features

- 160 + 160W@8Ω Max Power Output
- 4 Audio & Video Inputs
- 2 Microphone Inputs
- Audio Signal Processor
- Microphone Mixing Features:  
Echo/ Delay/ Bass & Treble

### : Package Content

- 1 AM-148 Mixing Amplifier
- 1 Remote Control
- Warranty Card
- User Manual

## First Things First

Before operating your mixing amplifier, there are a few things you should do and know:



Voltage Selector

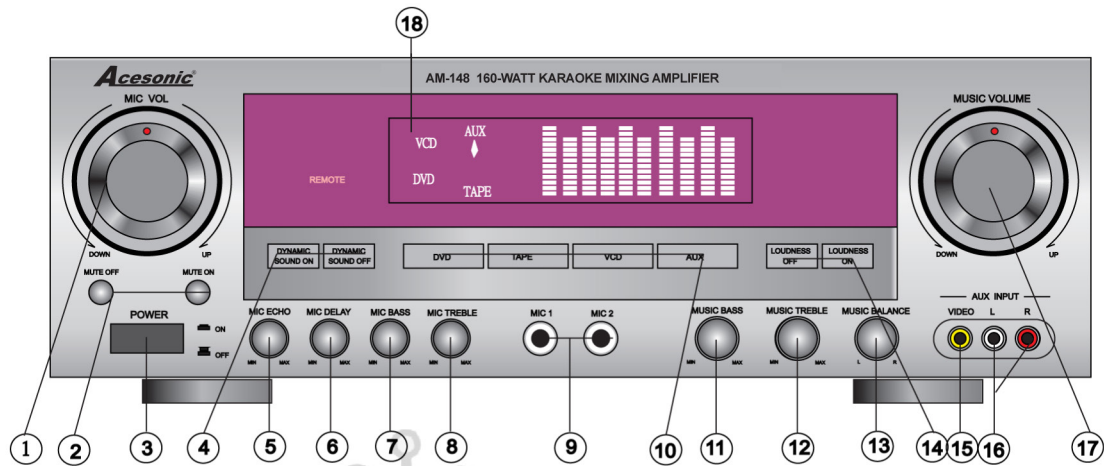
230V      115V

Before connecting the power cord of your AM-145 to a wall outlet,

**BE SURE TO VERIFY THAT THE VOLTAGE SELECT SWITCH ON THE BACK OF THE UNIT IS SET CORRECTLY!**

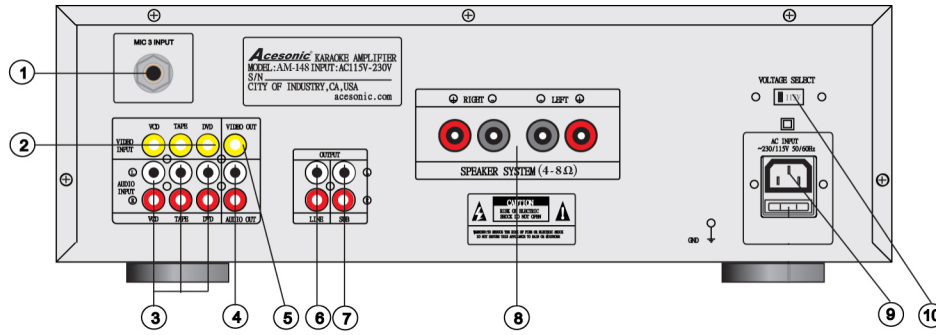
- Make sure your local power outlet supplies the correct voltage for the AC adapter. Only use the adapters supplied with the system.
- Do not run the outputs of any amplifier channel back into another channel input. Do not parallel or series connect amplifier.
- Before connecting your speakers to any amplifier, check your speaker's specifications.
- Turn off your audio system during set-up and turn down volume.

## Front Panel Descriptions



1. MICROPHONE MASTER VOL control - Adjusts the overall volume output for all three microphone channels
2. MUTE ON/OFF buttons
3. POWER ON/OFF button
4. DYNAMIC SOUND ON/OFF buttons
5. MICROPHONE ECHO control - Adjusts the echo effect.
6. MICROPHONE DELAY control - Adjusts the echo delay time.
7. MICROPHONE BASS control - Adjusts the low audio frequency setting.
8. MICROPHONE TREBLE control - Adjusts the audio high frequency setting.
9. MIC1 & MIC2 INPUT jacks - 1/4" inputs for microphones.
10. INPUT SELECTION buttons - Sets the input source selection to manual mode. Switch input from DVD, TAPE, VCD, or AUX.
11. MUSIC BASS control - Adjusts the music's low frequency setting.
12. MUSIC TREBLE control - Adjusts the music's high frequency setting.
13. MUSIC BALANCE control - Distributes music the left and right stereo channels.
14. MUSIC LOUDNESS ON/OFF buttons
15. AUX VIDEO INPUTS
16. AUX AUDIO INPUTS
17. MUSIC MASTER VOL control
18. INFORMATION DISPLAY WINDOW

## Rear Panel Descriptions

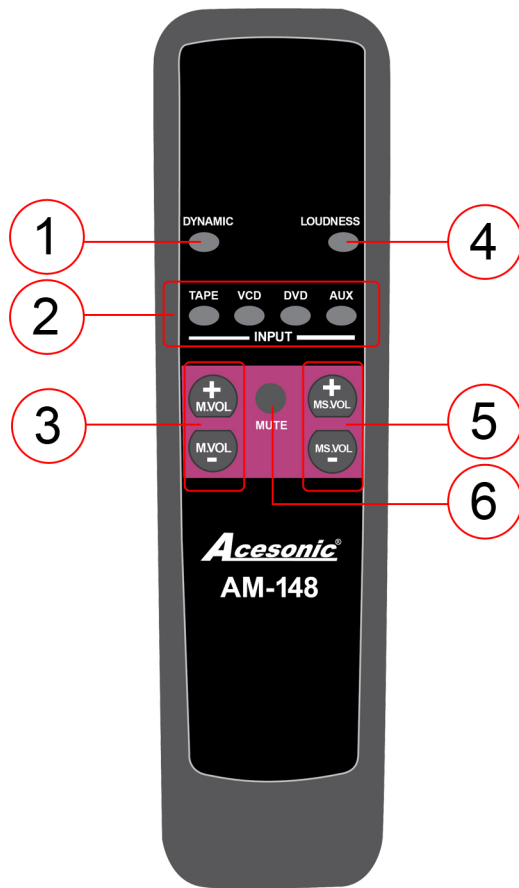


1. MIC 3 INPUT - 1/4" inputs for microphones.
2. VIDEO INPUTS - For VCD/ TAPE & DVD channels
3. AUDIO INPUTS- For VCD/TAPE & DVD channels  
-Each column consists of a complete set of AUDIO LEFT & AUDIO RIGHT RCA inputs.  
R-AUDIO RIGHT RCA input. Connect to the audio right output from an external component.  
L- AUDIO LEFT RCA input. Connect to the audio left output from an external component.
4. AUDIO OUTPUTS  
R-AUDIO RIGHT RCA output. Connect to the audio right input on an external component.
5. VIDEO OUTPUTS - Connect to the video input of an external component such as a TV or monitor.
6. AUDIO LINE OUTPUTS
7. SUBWOOFER LINE OUTPUTS
8. SPEAKER SYSTEM OUTPUTS -  
Banana connector ports designed for use with speaker wires or banana connectors.
9. AC POWER OUTPUT
10. AC 115/230V SELECT - Voltage selection switch.  
Push the switch right for 115V, and left for 230V.  
Please check your area for the correct voltage.

## System Specifications

Maximum Output	160W + 160W @8Ω
RMS (continuous) Output	80W + 80W @8Ω
Microphone Input Sensitivity	300mV
Microphone Frequency Response	20hz - 20Khz +/- 3dB
Music Frequency Response	20hz - 20Khz +/- 3dB
Microphone EQ Characteristics	Treble: +/- 5dB (10Khz), Bass: +/- 5dB (100hz)
Speaker Wattage Impedance	4Ω - 8Ω
Supply Voltage	AC 110V - 115V or AC 220V - 230V (switchable)

## Remote Control Functions



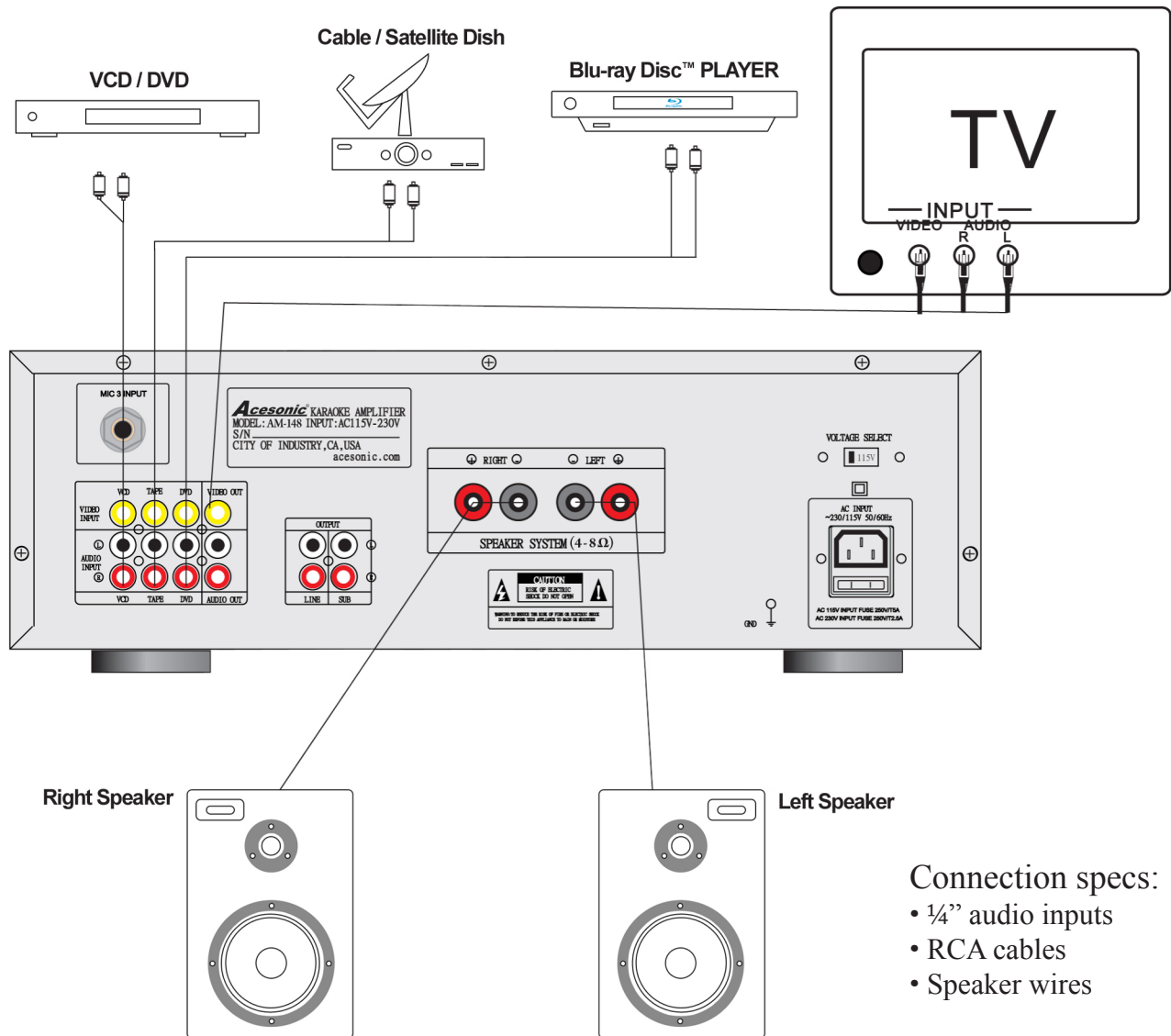
1. DYNAMIC ON/OFF button
2. Manual Input Source Selection:
  - VCD button - Selects external source connected to the VCD INPUT.
  - TAPE button - Selects external source connected to the TAPE INPUT.
  - AUX button - Selects external source connected to the AUX INPUT.
  - DVD button - Selects external source connected to the DVD INPUT.
3. MIC VOL +/- button - Increase or decrease the microphone volume.
4. MUSIC LOUDNESS ON/OFF button
5. MUSIC VOL +/- button - Increase or decrease the music volume.
6. MUTE ON/OFF button

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## Care and Maintenance

- Please turn off the power switch before pulling off the power cord or when selecting the input mode switch.
- Turn off the power first before unpluging the system.
- Start out by setting the volume to 0dB and gradually increase it as needed.
- Please clean ventilation slots every 15 days. Too much dust accumulation will overheat the machine and result in the burning of the system.
- Always maintain a 1-2" of separation from walls or adjacent objects to provide sufficient ventilation into the machine.

## Basic System Set-Up Diagram



### Troubleshooting

If you are having technical difficulties operating the AM-148 Mixing Amplifier, please check the troubleshooting list below to resolve any issues of incorrect operation. If you suspect an equipment malfunction and are unable to resolve the problem, please contact your dealer or Acersonic USA Inc. at (626) 820-0645 or send an e-mail to [techsupport@acesonic.com](mailto:techsupport@acesonic.com).

Problem	Possible causes	Solution
Will not turn on	<ul style="list-style-type: none"> <li>• AC power adapter cord is incorrectly attached or not plugged into outlet</li> </ul>	<ul style="list-style-type: none"> <li>• Check both the AC adapter connection as well as the AC outlet connection.</li> </ul>
Buzzing sound from amplifier	<ul style="list-style-type: none"> <li>• Voltage selector switch on wrong voltage</li> </ul>	<ul style="list-style-type: none"> <li>• Make sure the voltage selector switch is on the correct local power voltage setting.</li> </ul>

Problem	Possible causes	Solution
No audio can be heard, audio signal meter SHOWS signal	<ul style="list-style-type: none"> <li>• Incorrect input source selected</li> <li>• MUSIC VOL control is turned down</li> <li>• Poor or incorrect output connection to speakers or other external units, or bad/defective cables, wires or connectors</li> </ul>	<ul style="list-style-type: none"> <li>• Check to make sure the correct corresponding button is pressed on the input selector in relation to your audio source.</li> <li>• Check to see if MUSIC VOL control is all the way down. If so, turn the knob slowly clockwise.</li> <li>• Double check all output connections to speakers or other units. Try using another set of cables/cords. Make sure to turn POWER OFF before reconnecting cables.</li> </ul>
No audio can be heard, audio signal meter DOES NOT show signal	<ul style="list-style-type: none"> <li>• Poor or incorrect input connection from audio source unit, or bad/defective cables, wires or connectors</li> </ul>	<ul style="list-style-type: none"> <li>• Double check all input connections from audio source units. Try using another set of cables/cords. Make sure to turn POWER OFF before reconnecting cables.</li> </ul>
No microphone signal can be heard	<ul style="list-style-type: none"> <li>• Microphone controls are turned down</li> <li>• Poor or incorrect input connection from microphone, or bad/defective cables, wires or connectors.</li> </ul>	<ul style="list-style-type: none"> <li>• Check MIC MASTER VOL and all MIC VOL controls to see if they are turned down. If so, turn the knob slowly clockwise.</li> <li>• Double check all microphone connections. Try using another cable/cord. Make sure to turn MIC MASTER VOL down before reconnecting cables.</li> </ul>
Unpleasant howling and screeching heard from speakers	<ul style="list-style-type: none"> <li>• Microphone feedback</li> </ul>	<ul style="list-style-type: none"> <li>• Place microphones further away from speakers. Face microphones away from speakers.</li> </ul>
Remote control not functioning	<ul style="list-style-type: none"> <li>• Battery power is low or placed incorrectly</li> <li>• Remote is out of range or Line-of-Sight is obstructed</li> </ul>	<ul style="list-style-type: none"> <li>• Replace batteries or double check battery placement</li> <li>• Move closer to the AM-148 or make sure view to the machine is unobstructed.</li> </ul>

## Safety, warnings and cautions

*Mises en garde, précautions et procédures de sûreté*



The lightning-with-arrowhead symbol inside a triangle alerts the user that potentially dangerous voltage in the product enclosure may constitute a risk of electric shock.



The exclamation point within a triangle alerts the user to important operating, maintenance, and servicing information in this User Manual.

### CAUTION

To reduce the risk of electrical shocks, fire, and possible injuries, you should not

- remove screws, buttons, antennae, jacks, or any part of the enclosure; or
- expose the product to rain or moisture.



## FOR CANADA/POUR LE CANADA

Caution: To prevent electric shock, match the wide blade of the plug to the wide slot, and fully insert.

*Attention: Pour éviter les chocs électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.*

This product does not exceed the Class B limits for radio noise emissions from digital devices as set out in the Canadian standard for interference-causing equipment ("Digital Apparatus, ICES-003" from the Department of Communications).

*Cet appareil numérique respecte les limites de bruits radio électriques applicables aux appareils numériques de Classe B prescrites dans la norme sur le matériel brouilleur ("Appareils Numériques, NMB-003" édictée par le Ministre des Communications).*

### Important safety instructions

1. Read and follow these instructions, keep them handy for reference, familiarize yourself with the product's operation, and heed all safety warnings.
2. Do not use this product near water, on wet surfaces, or in places where moisture may accumulate. Do not expose the device to dripping or splashing, and do not place items filled with liquids – such as vases, beverages, etc. – on top of the device. Clean only with a dry cloth.
3. Do not block any ventilation openings or set device on carpets or rugs. Maintain sufficient room on all sides for airflow.
5. Do not defeat the safety purpose of a polarized or grounding-type plug. A polarized plug has two blades with one wider than the other, while a grounding-type plug has two blades and one prong. The wide blade and the prong are safety features. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
6. Protect the power cord from being walked on or pinched, particularly where it is plugged in to an electrical socket and the point where it exits from the rear of the device.
7. Only use the attachments and accessories specified by the manufacturer.

8. Use only with a cart, stand, tripod, bracket or table specified by the manufacturer or sold with the device. When using a cart, use caution when moving the cart.
9. Unplug the product during lightning storms or when it will not be used for long periods of time.
10. Refer all servicing to qualified service personnel. Servicing is required when the unit has been damaged

#### AM-148

160-Watt Karaoke Mixing Amplifier

One (1) Year Manufacturer Warranty

Lifetime Technical Support

Designed in U.S.A.

Technical Support:

Call: 626.820.0645

Email: [techsupport@acesonic.com](mailto:techsupport@acesonic.com)

Website: [www.acesonic.com](http://www.acesonic.com)

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