

e p i s o d e

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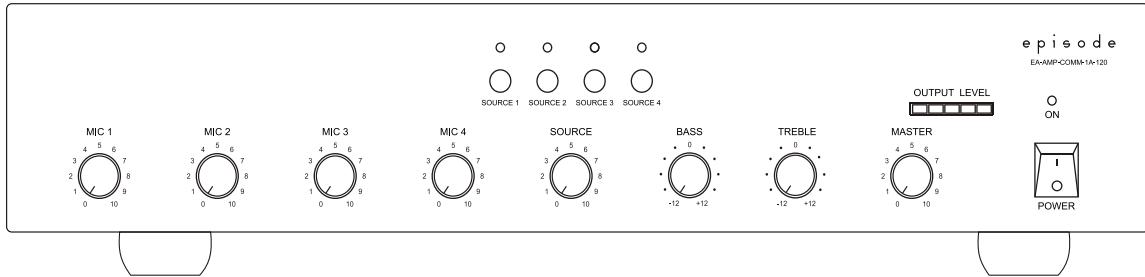
engineered by  
**Snap**  
av

OWNER'S MANUAL

>> COMMERCIAL  
AMPLIFIER

EA-AMP-COMM-1A-120

100V/70V/50V/4Ω AMPLIFIER

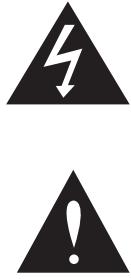


## IMPORTANT SAFETY INSTRUCTIONS

**WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus in or near rain or moisture.

Read and follow all instructions and warnings in this manual. Keep for future reference.

1. Do not use this product near water.
2. Clean only with a dry cloth.
3. Do not block any ventilation openings. Install according to manufacturer's instructions.
4. Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat.
5. Do not override the safety feature of the polarized or grounding-type plug. If the provided plug does not fit into the existing outlet, consult an electrician for an outlet replacement.
6. Protect the power cord from being walked on or pinched particularly at plug, convenience receptacles, and the point where it exits from the apparatus.
7. Only use attachments/accessories specified by the manufacturer.
8. Use only with a cart, stand, tripod, bracket or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
9. Unplug this product during lightning storms or when unused for long periods of time.
10. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as when the power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
11. Do not expose this equipment to humid areas or in areas exposed to the environment. Ensure that no objects filled with liquids, such as vases, are placed on the equipment.
12. To completely disconnect this equipment from the AC mains, disconnect the power supply cord plug from the AC receptacle. Do not disconnect from the wall by pulling on the cord. Only remove the power cord from the wall by the plug end.



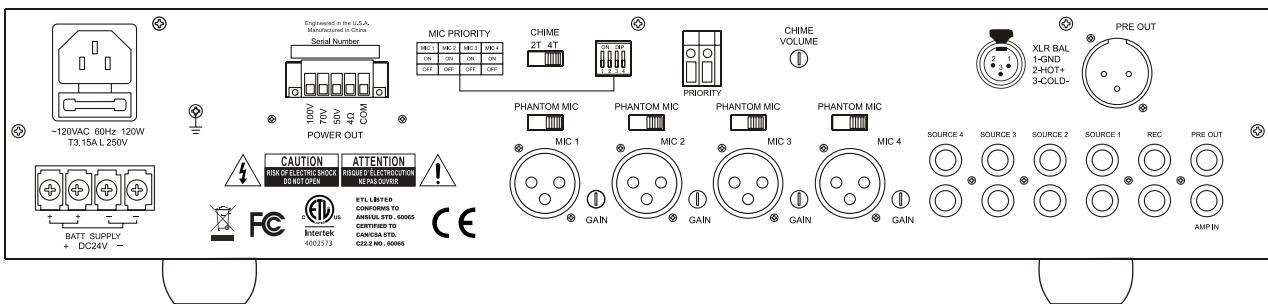
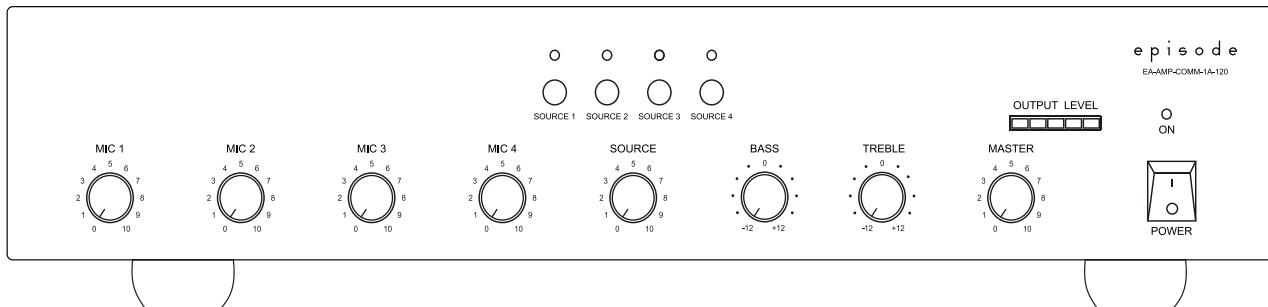
The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

## WELCOME TO EPISODE®

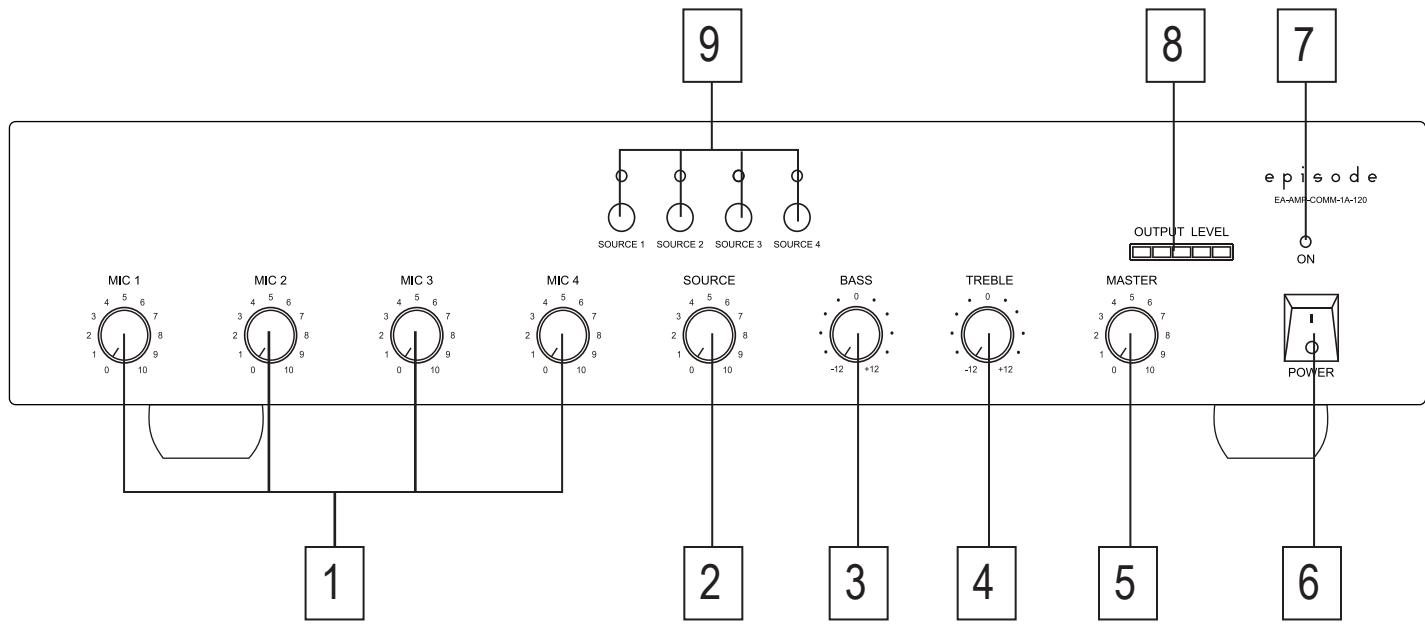
Episode® is one of the most highly-regarded brands of audio products available today. We appreciate your business and we stand committed to providing our customers with the highest degree of quality and service in the industry.

The Episode® EA-AMP-COMM-1A-120 Commercial Amplifier Mixer is a superb choice for a variety of commercial applications requiring paging and multi-source background music. It has been designed with advanced mixing features and produces 120W RMS, providing the best value and quality for your commercial audio needs.



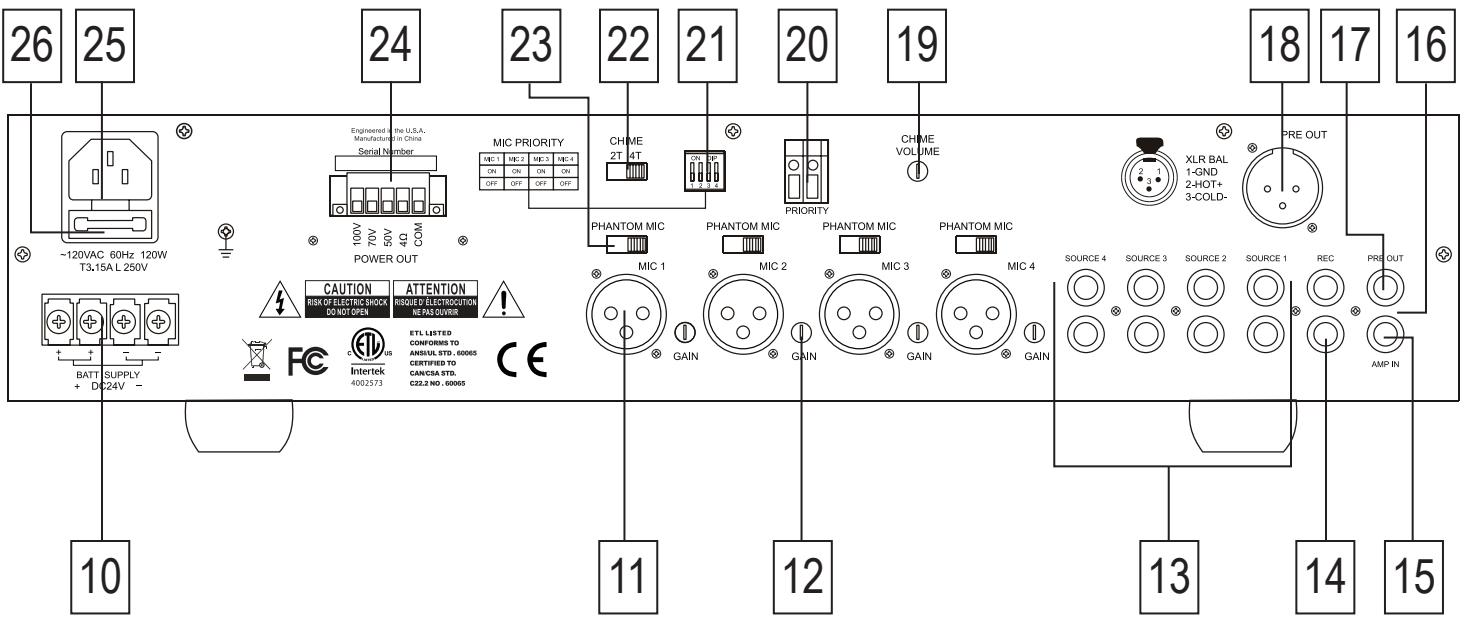
## FEATURES

- 120 Watts RMS, 1 Channel
- AC and DC power options
- Low-Frequency filter protection
- Power level meter
- Detachable locking output connector for secure easy connections
- (4) Selectable Source inputs
- Optional 2 or 4 tone chimes triggered by a contact closure
- Preamp output for signal processing equipment or additional amplification
- Individual input volume and master volume
- Current limiter, short circuit and thermal protection
- (4) Balanced XLR microphone inputs with selectable priority and phantom power options
- Constant Voltage Options, 100V, 70V and 50V
- 4 or 8 Ohm speaker output capable



## FRONT PANEL

1. MIC1/MIC2/MIC3/MIC4 – Microphone Gain Controls
2. SOURCE – Source Gain Control
3. BASS – Adjust Bass Response
4. TREBLE – Adjust Treble Response
5. MASTER – Master Volume Control
6. POWER – Power Switch
7. POWER INDICATOR LED
8. OUTPUT LEVEL METER
9. SOURCE SELECTION - Direct Input Selection Buttons



## REAR PANEL

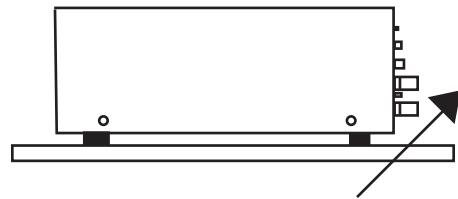
10. OPTIONAL 24VDC POWER INPUT
11. BALANCED MIC 1-4 XLR INPUTS
12. MICROPHONE GAIN CONTROLS
13. STEREO SOURCE INPUTS
14. REC LINE OUTPUT - Unbalanced fixed stereo output post tone control
15. AMPLIFIER INPUT SIGNAL
16. JUMPER PLUG - Remove to connect external audio equipment such as an EQ, audio processor, or separate amplifier.
17. PREAMP OUTPUT SIGNAL - Unbalanced fixed mono output post tone control
18. XLR LINE OUTPUT - Balanced fixed output post tone control
19. CHIME VOLUME
20. CHIME REMOTE TRIGGER
21. MICROPHONE PRIORITY DIPSWITCH
22. CHIME SELECTION SWITCH
23. PHANTOM POWER SWITCHES
24. DETACHABLE SPEAKER OUTPUT CONNECTOR
25. DETACHABLE IEC POWER CORD
26. AC FUSE

## INSTALLATION – FIRST STEPS

### PLACING THE AMPLIFIER ON A SHELF OR OTHER FLAT SURFACE

Episode amplifiers are designed to help deliver a great audio experience that makes your music come alive for years to come. However, where you place the amplifier can have a large effect on the performance that you receive and the life of the unit. If you are not rack-mounting the amplifier, position it with all feet resting on a solid level surface. Be sure that the amplifier is in a well-ventilated area that provides adequate cooling. If your installation lacks good air flow (such as solid door cabinets or wall-mounted racks), it may be necessary to create ventilation to allow outside air in to the space.

#### Standard Placement of Amplifier in Cabinet

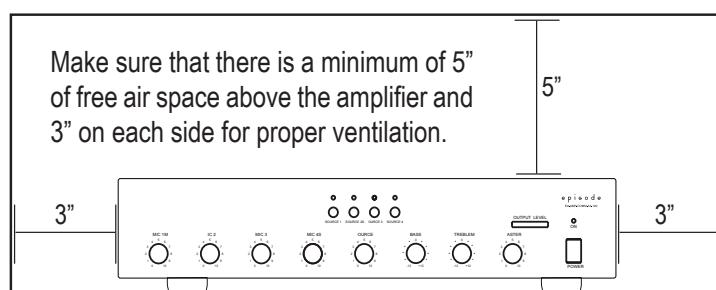


Allow a minimum of 2" of depth behind unit to accommodate cables and connectors.

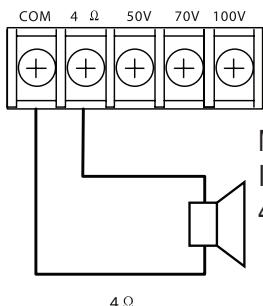
### VENTILATION

Do not block the ventilation holes, or place anything directly on top of, next to, or under the amplifier. Do not place the amplifier on carpeting or any similar material. Do not install the amplifier near a source of heat or in an extremely humid or wet location.

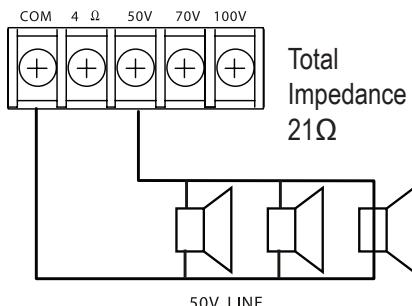
Make sure that there is a minimum of 5" of free air space above the amplifier and 3" on each side for proper ventilation.



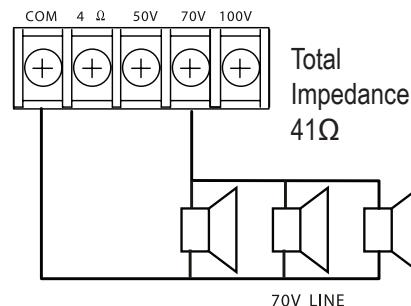
## CONNECTIONS



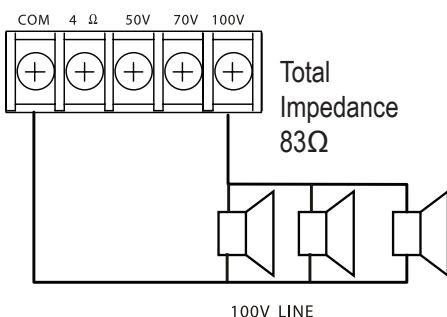
Minimum Impedance  
4Ω



Total Impedance  
21Ω



Total Impedance  
41Ω



Total Impedance  
83Ω

### XLR CONNECTIONS

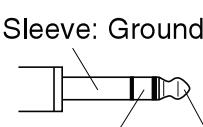
#### Usable connectors and plugs

- XLR type male connector



Pin 1: Ground      Pin 2: Hot  
Pin 3: Cold

- Phono plug



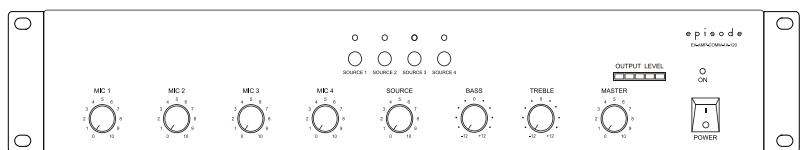
Sleeve: Ground      Ring: Cold      Tip: Hot

### NOTES:

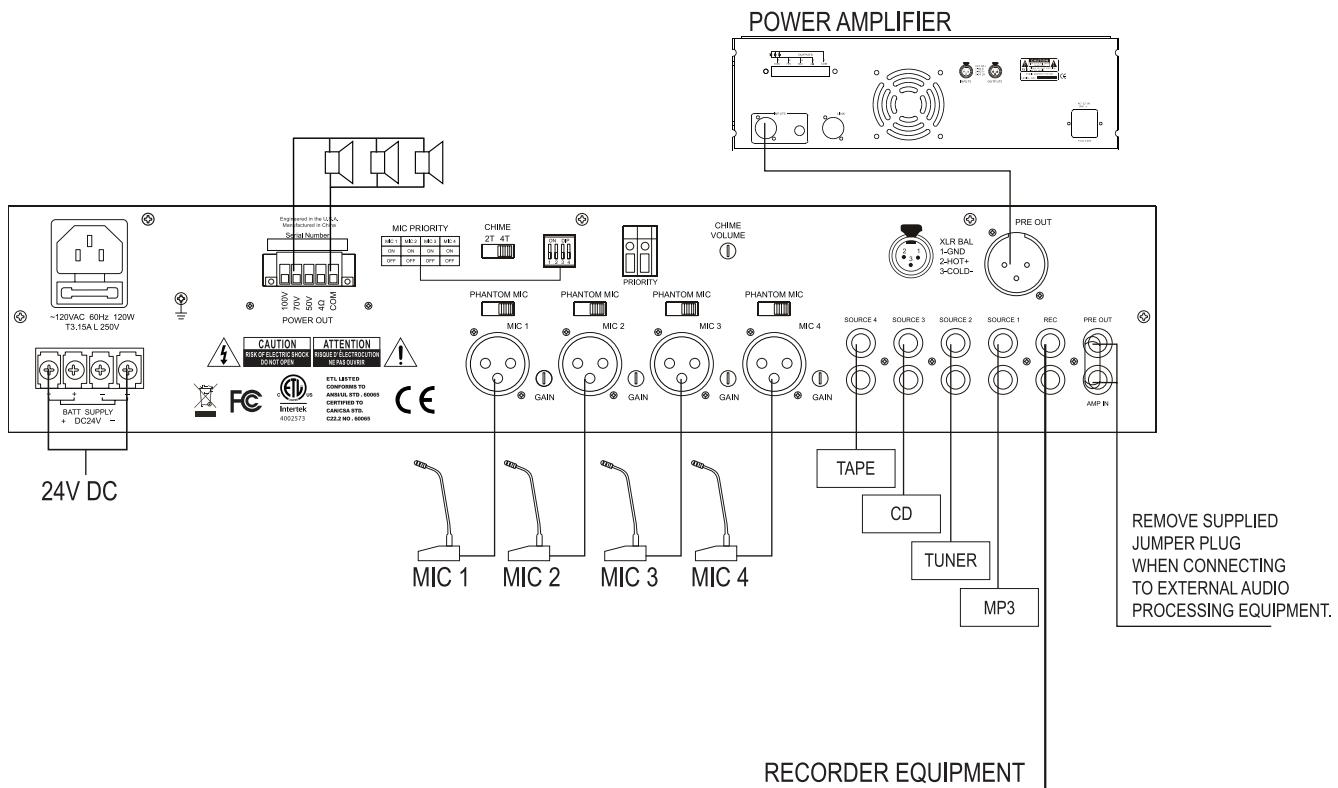
! • The 4Ω and Constant Voltage Output (100V, 70V and 50V) can't be used simultaneously.  
• Impedances noted in the diagrams above indicate the total impedance load.

## RACKMOUNT INSTALLATION

1. Remove the amplifier's four feet from the bottom of the chassis.
2. Attach the included rack-mount ears to the front sides of the amplifier chassis.
3. Securely mount the amplifier into an equipment rack. The amplifier will occupy 2U of rack space.
4. Even though the amplifier produces very little heat, it is always wise to leave ventilation between components.



## APPLICATION DRAWING



## SPECIFICATIONS

Rated Power Output	120W
4 Microphone Inputs	XLR Balanced With Phantom Power
Sensitivity	-50 /-2 dB 2.5 / 500 mV
Signal To Noise Ratio	>68 dB
Frequency Response	40 / 17.000 Hz (-3 dB)
Phantom Power	+48 V
4 Auxiliary Inputs sensitivity/impednce	Source 1 input: 500mV/47 KΩ
	Source 2 input: 200mV/47 KΩ
	Source 3 input: 500mV/47 KΩ
	Source 4 input: 200mV/47 KΩ
Signal To Noise Ratio	90 dB
Frequency Response	40 - 18 kHz (-3 dB)

Control	
Bass	±12 dB
Treble	±12 dB
Chime	2 and 4 Tone Options
Output Electro/Impedance	775 mV / 47 KΩ
Output Rec/Impedance	200 mV / 1 KΩ
Distortion	< 0.1%
Operating Condition	
AC Mains Input	110VAC, 24 VDC Optional
Dimensions (D x W x H)	19" x 14.3" x 3.5"
Power Consumption	120 Watts
Weight	24 lbs.

## TROUBLESHOOTING

No audio	<ul style="list-style-type: none"> <li>Power cable to the amplifier is incorrectly connected or plugged into an outlet that does not have power. Check connections and verify power on the outlet.</li> <li>Audio cable to the source component is not connected properly or the cable is defective. Check connections or replace cable with one that has been verified as good.</li> <li>The wrong input is selected.</li> <li>Confirm the master and source volume are set to the appropriate level.</li> </ul>
Hum or buzzing sound is heard	<ul style="list-style-type: none"> <li>Check RCA input cables by removing them one at time (powering down the amplifier before disconnecting) and checking to see if a connection or cable is to blame.</li> </ul>
Amplifier will not turn on	<ul style="list-style-type: none"> <li>The amplifier must be plugged into a live outlet.</li> <li>The power switch on the front panel must be on.</li> <li>Confirm the fuse is not blown</li> </ul>

For Technical Support, call 1.866.838.5052

## WARRANTY

### 5-Year Limited Warranty

Episode® Amplifier Products have a 5-Year Limited Warranty. This warranty includes parts and labor repairs on all components found to be defective in material or workmanship under normal conditions of use. This warranty shall not apply to products which have been abused, modified or disassembled. Products to be repaired under this warranty must be returned to SnapAV or a designated service center with prior notification and an assigned return authorization number (RA).