



# OWNER'S MANUAL

## Model 7.250

Power Amplifier

NOTE: Before installing your new component, please read this manual carefully as it will inform you of the product specifications, proper installation and correct operating procedures for your unit. Also included in this manual are guidelines on how to service and care for your new Cary Audio Design product.

# TABLE OF CONTENTS

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<b>Important Safety Instructions</b> .....	2
<b>Welcome</b>	
Product Features .....	5
<b>Introduction</b>	
Documentation Conventions .....	6
Product Registration.....	7
Installation Considerations.....	7
<b>Controls &amp; Displays</b>	
Front Panel .....	9
Rear Panel .....	10
<b>Operation</b>	
Remote Trigger Power On .....	13
Power Connection Safety.....	13
Source Component Connections & Output Settings .....	14
Protection Mode .....	14
<b>Specifications</b> .....	15
<b>Troubleshooting</b> .....	16
<b>Service and Care</b>	
Care and Cleaning .....	18
Factory Service.....	18
Non-Warranty Repairs.....	18
<b>Limited Warranty</b> .....	19

# IMPORTANT SAFETY INSTRUCTIONS

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**WARNING:** To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture. The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of un-insulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



**CAUTION:** To reduce the risk of electric shock, do not remove the cover. There are no user serviceable parts inside. Please refer to qualified personnel for service.

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

1. **READ ALL INSTRUCTIONS:** All the safety and operating instructions of your Cary Audio equipment should be read before power is applied to the equipment.
2. **RETAIN OWNER'S MANUAL:** These safety and operating instructions should be retained for future reference.
3. **HEED WARNING:** All warnings on the unit and in the operating instructions should be adhered to.
4. **FOLLOW INSTRUCTIONS:** All operating and use instructions should be followed.
5. **CLEANING:** Unplug the unit from the wall outlet before cleaning. The unit should be cleaned only as recommended by the manufacturer.
6. **ATTACHMENTS: Do not** use attachments not recommended by the unit manufacturer as they may cause hazards.
7. **WATER AND MOISTURE: Do not** use the unit near water - for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool.
8. **ACCESSORIES: Do not** place the unit on an unstable cart, stand, tripod, bracket, or table. The unit may fall, causing serious injury to a child, an adult, or damage to the unit. Mounting of the unit should follow the manufacturer's instructions and should use a mounting accessory recommended by the manufacturer.
9. **VENTILATION:** Slots and openings in the cabinet are provided for ventilation to ensure reliable operation of the unit and to protect it from overheating. These openings must not be blocked or covered. The top or bottom panel openings should never be blocked by placing the unit on a bed, sofa, rug, or other similar surface. The unit should not be installed in a built-in location such as a bookcase or rack unless proper ventilation is provided. There should be free space of at least 6 inches (16cm) above the unit and an opening behind the unit.
10. **GROUNDING OR POLARIZATION:** The unit may be equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you cannot insert the plug fully into the outlet, try reversing the plug. If the plug should fail to fit, contact a licensed electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
11. **POWER SOURCES:** The unit should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied to your home, consult your unit dealer or local power company.
12. **POWER CORD PROTECTION:** Power supply cords should be routed so that they are unlikely to be walked on or pinched by items placed on or against them. Pay close attention to cords where they enter a plug, or a convenience receptacle, and the point where they exit from the unit.

# IMPORTANT SAFETY INSTRUCTIONS

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13. **OUTDOOR ANTENNA GROUNDING:** If an outside antenna or cable system is connected to the unit, be sure the antenna or cable system is grounded so as to provide protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, NSI/NFPA 70, provides information regarding proper grounding of the mast and supporting structure, grounding of the lead-in wire to an Antenna-discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.
14. **LIGHTNING:** For added protection for the unit during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the unit due to lightning and power line surges.
15. **POWER LINES:** An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, take extreme care to keep from touching such power lines or circuits as contact with them might be fatal.
16. **OVERLOADING:** Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
17. **OBJECT AND LIQUID ENTRY:** Never push objects of any kind into the unit through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the unit.
18. **SERVICING:** Do not attempt to service the unit yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
19. **REPLACEMENT PARTS:** When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.
20. **SAFETY CHECK:** Upon completion of any service or repairs to the unit, ask the service technician to perform safety checks to determine that the unit is in proper operating condition.
21. **WALL OR CEILING MOUNTING:** The unit should be mounted to a wall or ceiling only as recommended by the manufacturer.
22. **HEAT:** The unit should be situated away from heat sources such as radiators, heat registers, stoves, or other units (including amplifiers) that produce heat.
23. **IMPORTANT SAFETY NOTE:** Before connecting a new component to your audio or home theater system it is always good practice to make certain that all components are turned off, and preferably unplugged from their AC power source. Many modern electronics products feature automatic turn-on circuits that may be activated during an installation, causing the potential for damage to electronic components and/or speakers. Such damage is not covered by product warranties and Cary Audio specifically disclaims responsibility for any such damage.

**Power Cord:** The removable power cord that is shipped with the player is specifically designed to be used with this product. Other AC cords may be used, so consult your dealer for advice on AC power cords and high quality wire in your system.

**AC Fuse:** The fuse is located inside the chassis and is not user serviceable. If power does not come on, contact your authorized service representative.



**Wiring:** Cables that run inside of walls should have the appropriate markings to indicate compliance with, and listing by the UL, CSA or other standards required by the UL, CSA, NEC or your local building code. Questions about cables inside of walls should be referred to a qualified custom installer, or a licensed electrician or low-voltage contractor.

# IMPORTANT SAFETY INSTRUCTIONS

**Do Not Open the Cabinet:** There are no user serviceable components inside this product. Opening the cabinet may present a shock hazard, and any modification to the product will void your warranty. If water or any metal object, such as a paper clip, coin, or staple accidentally falls inside the unit, disconnect it from the AC power source immediately and contact Cary Audio for further instructions.

24. **RECORDING COPYRIGHT:** Recording of copyrighted material for other than personal use is illegal without permission of the copyright holder.
25. **NOTE TO CATV SYSTEM INSTALLER:** This reminder is provided to call the CATV system installer's attention to article 820-40 of the NEC, ANSI/NFPA 70, which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.
26. **FCC INFORMATION FOR USER:**

**CAUTION:** ANY changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



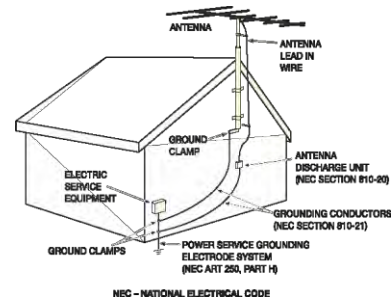
**NOTE:** This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates 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 where the receiver is connected.
- Consult the dealer or an experienced electronic technician for help.

27. **OUTDOOR ANTENNA INSTALLATION/SAFE ANTENNA AND CABLE CONNECTION:**

If an outside antenna or cable system is connected to the equipment, be sure the antenna or cable system is grounded so as to provide protection against built up static charges and voltage surges, Section 810 of the national Electrical Code, ANSI/NFP A70 (in Canada, part 1 of the Canadian Electrical Code) provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes and requirements for the grounding electrode.



**Keep Antenna Clear of High Voltage Power Lines or Circuits**

An outside antenna system should be located well away from power lines, electric light or power circuits and where it will never come into contact with these power sources if it should happen to fall. When installing an outside antenna, extreme care should be taken to avoid touching power lines, circuits or other power sources as this could be fatal. Because of the hazards involved, antenna installation should be left to a professional.

# WELCOME

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## PRODUCT FEATURES

Thank you for purchasing the Model 7.250 power amplifier. The Model 7.250 is the perfect foundation for your home stereo or theater system. In addition to the awesome power, the Model 7.250 power amplifier delivers flawless reproduction of musical detail and subtle special effects.

The Model 7.250 power amplifier features include:

- Single-ended RCA or XLR balanced inputs
- 250 Watts/8 ohms; 400 Watts/4 ohms
- Remote trigger (works with +3.3 to +24 Volts DC)
- Protection against short circuits, device failures, mis-wiring, and internal faults.
- DC offset protection
- Matched output transistors
- High power supply voltage for extra headroom at the outputs
- Stable with mismatched, reactive or unusual loads
- Soft start circuit prevents "Brown outs" when amplifier is turned on

In addition, the Model 7.250 includes high quality RCA (gold plated) and XLR input connectors. The Model 7.250 also includes high-quality, heavy duty speaker output connectors. A trigger input connector allows the Model 7.250 to be powered on and off automatically.

In building the Cinema Series power amplifiers significant effort has been focused on building an amplifier that delivers outstanding mechanical performance, is easy to use, and has sonic properties that will delight the most demanding customer. It is well equipped for the most sophisticated and demanding home theaters.

# INTRODUCTION

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## DOCUMENTATION CONVENTIONS

This document contains general safety, installation and operation instructions for the Model 7.250 Power Amplifier. It is important to read this user guide before attempting to use the product. Pay particular attention to safety instructions.

### The following symbols are used in the document:



Appears on the component to indicate the presence of uninsulated, dangerous voltage inside the enclosure – voltage that may be sufficient to constitute a risk of shock.



Appears on the component to indicate important operating and maintenance instructions in the accompanying literature.

**WARNING**

Calls attention to a procedure, practice, condition or the like that, if not correctly performed or adhered to, could result in injury or death.

**CAUTION!**

Calls attention to a procedure, practice, condition or the like that, if not correctly performed or adhered to, could result in damage or destruction to part or all of the product.

**Note:**

Calls attention to information that is essential to highlight.

# INTRODUCTION

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## PRODUCT REGISTRATION

If you are the original purchaser of this unit and you purchased it in the United States, you should fill out the enclosed warranty registration card and return it to Cary Audio Design within 15 days of your purchase. Cary Audio Design also suggests that you keep your original packing cartons in case you ever need to ship the unit when moving to a new home. Warranty restrictions apply. Consult the warranty section of this manual for details. Please be certain to keep a copy of the original sales receipt from your Authorized Cary Audio Design dealer to validate the warranty if ever needed.

**OUTSIDE THE USA:** Your local Authorized Cary Audio Design Distributor will make his own warranty policy for your country. Please check with them for the terms of warranty for your new amplifier.

## INSTALLATION CONSIDERATIONS

This section describes the unpacking and installation procedures for your new component.

### Unpacking

All Cary Audio Design shipping cartons have been specially designed to protect their contents and special care has been taken to prevent damage under normal shipping conditions. Mishandling should be evident upon inspection of the shipping container. If shipping damage is found after visual inspection, take care not to destroy the evidence. If necessary, document the damage with photographs and contact the transport carrier immediately.

Carefully remove your new component from its packing carton and examine it closely for signs of shipping damage. We strongly recommend saving all original packing cartons to protect your component from damage should you wish to store it or ship it for after-sales service.

To ensure optimal performance, pay particular attention to instructions below and to other precautions that appear throughout this user guide.

**DO** be careful when moving the amplifier, as it is quite heavy.

**DO** install the Model 7.250 on a solid, flat, level surface such as a table or shelf. The Model 7.250 can also be installed in a standard 19-inch equipment rack using an optional rack-mount kit available from an authorized Cary Audio Design dealer.

**DO NOT** install the Model 7.250 on a surface that is unstable or unable to support all four feet.

**DO** select a dry, well-ventilated location out of direct sunlight.



# INTRODUCTION

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**DO NOT** expose the Model 7.250 to high temperatures, humidity, steam, smoke, dampness or excessive dust. Avoid installing the Model 7.250 near radiators and other heat-producing appliances.

**DO NOT** install the Model 7.250 near unshielded TV or FM antennas, cable TV decoders, or other RF-emitting devices that might cause interference.

**DO NOT** place the Model 7.250 on a thick rug or carpet, or cover the ventilation holes in the chassis, as this might prevent proper cooling.

**DO NOT** place the Model 7.250 on a windowsill or any location exposed to direct sunlight.

**DO NOT** stack the Model 7.250 directly above heat-producing equipment such as another power amplifier.

## Power Requirements

The Model 7.250 power amplifier is designed to operate from residential or commercial AC current mains. The voltage is 117/234 Volts AC @ 50/60 Hz.

## Cables

The speaker cables from the output posts of the Model 7.250 power amplifier to the speaker system can be any length, as your speaker set-up requires. Select speaker cables of sufficient size to preserve the outstanding performance capabilities of your Model 7.250 power amplifier. Heavy gauge #14 wire is suitable for distances up to 10 feet, #12 for 25 feet. Most audio dealers will have proper speaker cable in stock for this purpose. Consult your Authorized Cary Audio Design dealer for advice about wire.

## Interconnects

Signal input connections are made via the input jack on the rear of the Model 7.250 power amplifier, either single-ended or balanced. The interconnect cables from the output of the processor can be any convenient length your installation set-up requires. The choice of a high quality interconnect cable is important. Once again, your audio dealer will have the proper cables in stock for this purpose.

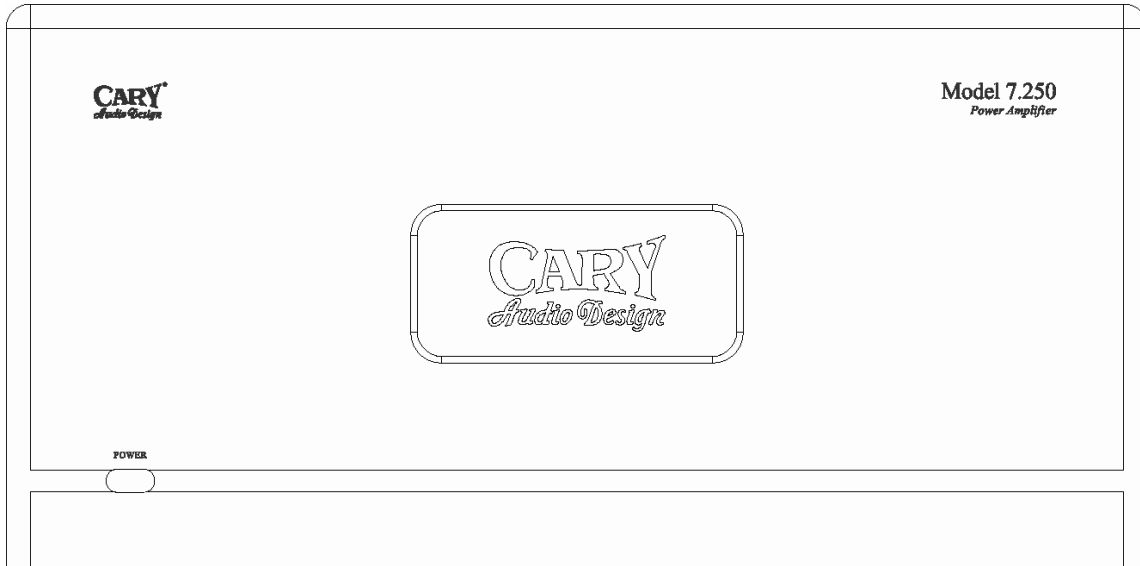
### WARNING

- Do not touch the speaker output binding posts during normal operation. You may be shocked. Do not short-circuit the speaker output binding posts. Damage may occur or the fuse may blow. Do not parallel or "bridge" the speaker output binding posts as this will damage the amplifier.

# CONTROLS AND DISPLAYS

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## FRONT PANEL



### POWER BUTTON

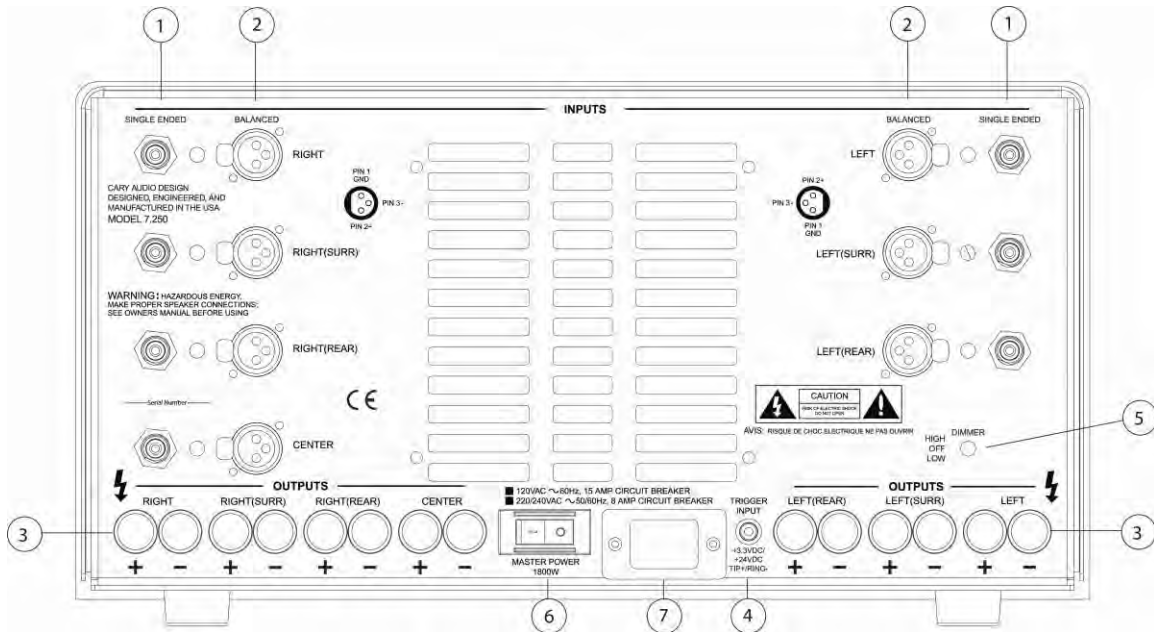
- The Power Button performs no function when the amplifier is powered off with the rear panel Master Power Switch.
- When the rear panel Master Power Switch is powered on, the Model 7.250 is in Standby mode. Pressing the Power Button when the rear panel master panel switch is powered on will activate the power amplifier. When the Model 7.250 is activated, the front panel display lights blue. The display can then be controlled by a rear panel dimmer switch (see Rear Panel) in three modes – High, Off and Low.

**Note:**

When the status of the Model 7.250 changes, relay checks may be audible. This is normal operation.

# CONTROLS AND DISPLAYS

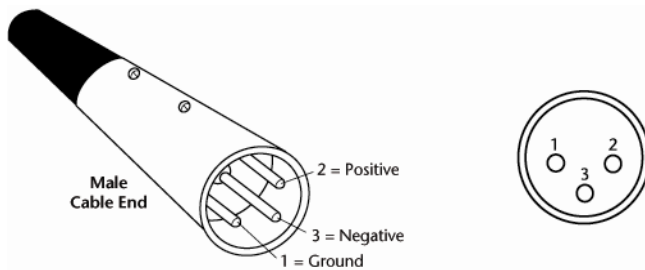
## REAR PANEL



### 1 & 2. UNBALANCED/BALANCED INPUT 1 TO 7 CONNECTORS

Provides audio input for the speakers connected through the unbalanced (RCA) inputs or balanced (XLR) inputs.

The illustration below shows the appropriate cable pin-out of XLR connectors.



### CAUTION!

Never make or break connections to the Model 7.250 unless the Model 7.250 and all associated components are powered off.

### WARNING

Do not connect the outputs of one channel to the outputs of the other channel or to other amplifiers.

# CONTROLS AND DISPLAYS

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## 3. SPEAKER OUTPUT CONNECTORS

Provide audio output for the speakers. Output connectors can accept bare speaker wires or most spade connectors. When using bare speaker wires, loosen the connector, insert the wire into the top of the receptacle, and tighten the connector. The same procedure should be used for spade connectors.

## 4. REMOTE TRIGGER INPUT

Enables the Model 7.250 to be controlled by an external device with a 3.3V DC minimum to 24V DC maximum trigger output. Connect the trigger output of the external device to the TRIGGER INPUT of the Model 7.250 power amplifier. The Model 7.250 will automatically respond when the external device is powered on and off. When the controlling device is turned on, the amplifier will turn on after a delay. This delay is intentional and serves to protect the speakers while the unit stabilizes. During start-up, you may hear relay clicking. This is normal operation.

## 5. DIMMER SWITCH (SEE FRONT PANEL DESCRIPTION)

## 6. MASTER POWER SWITCH/CIRCUIT BREAKER

Connects and disconnects power from the AC Input Connector to the Amplifier Power Supply. When this switch is on, the amplifier is in Standby Mode (See Front Panel Description). When it is off, the front panel Power Button will not function. Set this switch to off when making or breaking connections to the amplifier. The Master Power Switch also serves as a breaker.

To power on the Model 7.250, press the rear panel Master Power Switch. When powered on, the amplifier is in Standby Mode. There will be a delay from the time the power is turned on until the power is applied to the speakers. This is normal operation and protects the speakers from potential damage while the unit stabilizes. You may hear a relay click during start-up, which is also normal operation.

The Master Power Switch on the Model 7.250 power amplifier is also a heavy-duty magnetic circuit breaker. If power to the amplifier is interrupted, inspect the Master Power Switch on the rear of the unit. If the Master Power Switch is in the OFF position you can reset it to the ON position to restore AC power. If the Master Power Switch immediately trips to the OFF position, unplug the amplifier from the AC power source and contact Cary Audio Design Customer Service.

### **Note:**

The class 2 wiring label is required for any unit in which the audio output power exceeds 10W per channel under normal operating conditions or if the unit is intended to be installed or connected by a skilled person.

## **CAUTION!**

**When the Model 7.250 Master Power Switch is switched off or there is a power outage, the state of the unit remains the same when power is restored. If in standby mode when the power is removed, it will remain in standby mode when power is restored. If the unit is in active mode (blue display is lit) and power is removed, it**

# CONTROLS AND DISPLAYS

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**will remain activated when power is restored. It is recommended that the Model 7.250 be set to Standby Mode before being powered off to prevent potential damage to the unit or your speakers. If the Model 7.250 is not trigger-connected to a controlling device, there is a potential for damage to the speakers if power is lost and restored with the Model 7.250 in active mode.**

## **7. AC POWER CONNECTOR**

The AC input connector provides power to the unit with the supplied power cord.

## **CONNECTING TO A SUBWOOFER**

The subwoofer should be connected to the preamplifier or processor through its low level inputs.

## **CAUTION!**

**Do not under any circumstances connect the amplifier to a subwoofer through its high level (speaker) inputs. There is a potential of damaging the amplifier using this type of connection due to differences in grounding schemes used by some subwoofer manufacturers.**

**Failing to observe the following precaution will void your warranty.**

# OPERATIONS

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Your new Model 7.250 power amplifier is ready for operation after the speaker and the interconnect cables have been installed into their proper sockets.

## REMOTE TRIGGER POWER ON

### **How to make connections for remote power-on using components equipped with a DC trigger jack:**

Using an accessory cable with a 1/8" mono mini-plug and the correct connector specified for your source device, follow the procedure below to connect the trigger-output jack on the rear of the source device to the Model 7.250 rear panel TRIGGER INPUT.

#### **To install the Trigger Cable:**

- Power the controlling source and amplifier off.
- Connect the trigger cable to the controlling source and the amplifier.
- After the connections are made, power on the controlling source and then the amplifier. After the source unit is fully powered up, the LED on the amplifier should be in the ON state, BLUE DISPLAY. If the amplifier is in the standby mode, press the power button on the front panel until the amplifier is in the ON state, BLUE DISPLAY.
- Verify the trigger is working by putting the source unit into standby mode. The amplifier after a short delay will also go into the standby mode.
- Once you have verified that the trigger cable is working, only use the source unit to power on and off your amplifier.

#### **WARNING**

**When installing the trigger cable, never have the controlling source or amplifier powered on. Doing so will cause the trigger device to work improperly and could cause damage to both the source and amplifier.**

## POWER CONNECTION SAFETY

After all audio and system connections have been made, connect the power cord to an AC power source. Be sure that the Model 7.250 is powered off and that the device connected to the remote trigger input is off when connecting the power cord and plugging it into an AC outlet.

# OPERATIONS

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## **WARNING**

**Do not plug the Model 7.250 directly into the “Switched Accessory” outlet of another device! These outlets are intended for use with low current draw products such as tuners, CD players or cassette decks. These outlets are not designed to handle the high current draw of a power amplifier. Using these outlets for a power amplifier is a significant safety hazard.**

## **SOURCE COMPONENT CONNECTIONS & OUTPUT SETTINGS**

Make all connections before powering on the Model 7.250. It is also recommended that you power on the source components and processor in your system before powering on the Model 7.250. This avoids the possibility of any pops or transients from other components being amplified and sent to the speakers. Always start with a low volume level on the controller or preamplifier to avoid potential damage to the speakers. All volume and level adjustments are made on your preamplifier, controller or surround processor. When using the Model 7.250 for the first time, you should re-set the output levels of the channels on your processor.

## **PROTECTION MODE**

The Model 7.250 is equipped to protect itself against potentially damaging conditions such as overheating, mis-wiring and electrical failures. Under such conditions, the Model 7.250 will enter a protection mode. When this occurs, the unit will mute to protect itself and speakers from potential damage. If the Model 7.250 enters protection mode (mutes itself):

1. Immediately power off the unit with the rear panel Master Power Switch and disconnect the AC power cord.
2. Examine all speaker connections to ensure there are no shorts.

Power on the Model 7.250. If the unit remains in a muted state, contact Cary Audio Design customer service for assistance.

# SPECIFICATIONS

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Operating the Model 7.250 is a simple procedure. It is designed for long term stability in virtually any home operating environment. However, if the unit is operated outside the parameters outlined in this Owner's Manual, damage may result. Please read this manual carefully before putting your new Model 7.250 power amplifier into operation.

The following section describes the Model 7.250 power amplifier's basic specifications. The specifications are subject to change without notice or obligation.

<b>Audio Input</b>	7 RCA, 7 XLR	
<b>Audio Output</b>	7 pairs of heavy-duty, gold-plated binding posts	
<b>Power Output</b>	7 x 250w RMS @ 8 ohms from 20Hz to 20KHz	7 x 400w RMS @ 4 ohms from 20Hz to 20KHz
<b>Frequency Response</b>	20Hz - 20KHz +/- 0.1 dB	
<b>THD</b>	Less than 0.05% at rated output	
<b>Signal-to-Noise Ratio</b>	Greater than 120dB below full rated power A-weighted.	
<b>Crosstalk</b>	Greater than -90dB from 20Hz to 20KHz	
<b>Damping Factor</b>	Greater than 270 from 10Hz to 400Hz	
<b>Slew Rate</b>	40V/mSec	
<b>Input Sensitivity</b>	1.25v rms Unbalanced 2.5v Balanced	
<b>Input Impedance</b>	Greater than 10K ohms Unbalanced Greater than 20K ohms Balanced	
<b>Gain</b>	28dB +/- 0.5dB	
<b>Remote Trigger</b>	3-32v DC at 5mA or greater	
<b>Power Requirements</b>	117/234 Volts AC @ 50/60 Hz	
<b>Dimensions</b>	8.7" H x 17.1"W x 19.60"D	
<b>Weight</b>	105lbs.	
<b>Rock Mounting</b>	Optional brackets are available for mounting the amplifier in a standard 19 inch equipment rack.	



# TROUBLESHOOTING

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## **The amplifier does not power on.**

1. Check the rear panel circuit breaker. Ensure circuit breaker has not been tripped.
2. Make sure the rear panel Master Power Switch is set to the I ("on") position.
3. Attempt to activate the amplifier with the front panel **standby/on** button.
4. Examine the power cord to ensure a good connection between the rear panel AC input connector and the wall outlet.
5. Check the electrical circuit.

## **One or more channels are not passing audio.**

1. Reduce system volume level.
2. Power the amplifier off.
3. Check input connections.
4. Check speaker connections. Allow the amplifier to cool before powering it on again.

## **Audio sounds out-of-phase**

1. Check to ensure proper speaker wiring.

## **Audio levels differ.**

1. Check the settings on your preamplifier, processor or controller.

## **Audio plays, and then cuts off.**

1. Check speaker connections for short circuit at amplifier and speaker.

## **A humming sound is present in the audio.**

1. If a cable TV connection is present, disconnect the cable from the wall outlet. If this eliminates the humming sound, a ground loop isolation device is required. Contact your dealer or the cable provider for assistance.
2. Disconnect components one at a time to isolate the problem. Once the problem is identified, make sure the associated component is properly grounded and connected to the same electrical circuit as the Model 7.250.

## **The TRIGGER INPUT is connected to an external device, but the amplifier does not power on and off with the external device.**

1. Verify the trigger cable is connected at both ends.

# TROUBLESHOOTING

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## **If all else fails. . .**

1. Contact an authorized Cary Audio Design dealer.
2. Contact Cary Audio Design Customer Service at 919-355-0010 or send an email to: [technical\\_support@caryaudio.com](mailto:technical_support@caryaudio.com).

## **Note:**

Visit Customer Support at [www.caryaudio.com](http://www.caryaudio.com) for answers to frequently asked questions and additional troubleshooting information.

# SERVICE AND CARE

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## CARE AND CLEANING

Routine maintenance should be performed on a periodic basis. Clean the exterior surfaces of the unit with a soft, dry, lint-free cloth. Do not use alcohol, benzene, acetone-based cleaners, or strong commercial cleaners. Do not use a cloth made with steel wool or metal polish. If the unit is exposed to a dusty environment, a low-pressure blower may be used to remove dust from its exterior.

## FACTORY SERVICE

Careful consideration has been given to the design of your Model 7.250 power amplifier to keep maintenance problems to a minimum. Any problems or requests for service should be referred to our Customer Service Department at 919-355-0010. DO NOT return the Model 7.250 power amplifier to the factory without a Return Authorization number (RA) from the Customer Service Department.

Cary Audio Design will assume no responsibility if the shipping company refuses to pay for damage due to your improper packing or lack of insurance should the unit be lost or damaged in shipment. Please retain and always use the original shipping carton for shipping the player.

## NON-WARRANTY REPAIRS

Cary Audio Design will provide repair service for its products charging on a time and expense basis. The standard non warranty service bench fee is \$125, plus charges for parts and materials. This may change and is not a quote for service. Please call us at 919-355-0010 for more information about out of warranty service and repair fees.

### CAUTION

- Never remove or insert the back panel AC plug when the unit is on or the AC power cord is plugged into the wall.

# LIMITED WARRANTY

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## **Cary Audio Warrants to the original United States purchaser for use in the United States the Following Cary Audio Products for the Periods Indicated:**

1. Power Amplifiers, Integrated Amplifiers, Surround Sound Processors, and Preamplifiers have a three (3) year parts and labor warranty from the date of the original purchase from Cary Audio.
2. CD or SACD players, DVD players, or Music Servers have an eighteen (18) month parts and labor warranty from the date of the original purchase from Cary Audio.
3. Vacuum tubes, if any are used in the component, are offered a 90-day exchange policy against defects with the exception of the CAVT 300B vacuum tube that has a one (1) year exchange policy from the date of the original purchase from Cary Audio.

## **What is Covered and What is Not Covered**

Except as specified below, this warranty covers parts and labor to correct all defects in materials and workmanship. The following are not covered by the warranty:

1. Damage, deterioration, malfunction or failure to meet performance specifications resulting from:
  - a. Accident, acts of nature, misuse, abuse, neglect or unauthorized product modifications
  - b. Improper installation, removal or maintenance, or failure to follow instructions supplied with the product.
  - c. Repair or attempted repair by anyone not authorized by Cary Audio to repair the product.
  - d. Any shipment of the product (claims must be presented to the carrier).
  - e. Any cause other than a product defect.
2. Cleaning, initial set-up, check-ups with no defects found, or charges incurred for installation, removal or reinstallation of the product.
3. Any product, on which the serial number has been defaced, modified or removed.
4. Batteries.
5. Accessories, including but not limited to, batteries, cables, mounting hardware and brackets, cleaning accessories, antenna and detachable power cords.
6. Warranty is void if purchase was made from anyone other than an authorized Cary Audio dealer.

## **Who May Enforce the Warranty?**

This warranty extends to products purchased directly from Cary Audio or an authorized Cary Audio dealer. Purchasers should inquire of the dealer regarding the nature and extent of the dealer's warranty, if any.

To obtain such warranty service, the original purchaser must complete and send in the Warranty Registration Card within 15 days of purchase.

# LIMITED WARRANTY

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## What Will We Pay For?

We will pay for all labor and material expenses for items covered by the warranty. Payment of shipping charges is discussed in the next section of this warranty.

## How You Can Get Service?

In the event that the owner needs to return the unit to Cary Audio for service or repair of a possible defect, he must follow the following steps:

1. Contact Cary Audio at 919-355-0010 to obtain a Return Merchandise Authorization (RMA) number prior to shipping; include this number with the package
2. Submit a copy of the original sales receipt; blank receipts will not validate the limited warranty for service by Cary Audio. The original sales receipt must contain the following information:
  - a. The authorized Cary Audio dealer's name
  - b. The date of purchase
  - c. The unit's sales price
  - d. The buyer's name and address
  - e. Describe in detail the problem.
  - f. Note the unit's model number and serial number.
3. Deliver by either of these methods:
  - a. With all freight and insurance charges prepaid and in its original packing container or equivalent, ship the component to Cary Audio, 1020 Goodworth Drive Apex, NC 27539.
  - b. Hand-deliver the product to Cary Audio (address noted above) or the nearest authorized service facility.

## Limitation of Implied Warranties

All implied warranties, including warranties of merchantability and fitness for particular purchase, are limited in duration to the length of this warranty.

## Exclusion of Damages

Cary Audio's liability for any defective product is limited to repair or replacement of the product at Cary Audio's option. Cary Audio shall not be liable for damage to other products caused by any defects in Cary Audio products, damages based upon inconvenience or loss of use of the product, or any other damages, whether incidental, consequential, or otherwise.

# LIMITED WARRANTY

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## **How State Law Relates to the Warranty**

Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

## **International Purchasers (Export Markets)**

Cary Audio warrants its merchandise to purchasers within the United States exclusively for use within the United States. It provides no other warranties, expressed or implied. If you are living outside of the United States, please consult your local dealer or distributor to determine the details of your local warranty.

**CARY AUDIO DESIGN**

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