

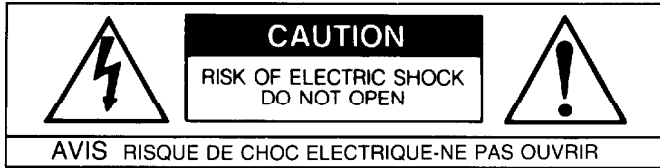


**GFA-6000**  
**Multi-Channel**  
**Power Amplifier**

**Owner's Manual**

## THE FOLLOWING PRECAUTIONS AND SAFETY INSTRUCTIONS ARE REQUIREMENTS OF UL AND CSA SAFETY REGULATIONS

**Warning:** To reduce the risk of fire or electric shock, do not expose this unit to rain or moisture.



The graphic symbol of a lightning flash with an arrow point within a triangle signifies that there is dangerous voltage within the unit and it poses a hazard to anyone removing the cover to gain access to the interior of the unit **Only qualified service personnel should make any such attempt.**



The graphic symbol of an exclamation point within an equilateral triangle warns a user of the device that it is necessary to refer to the instruction manual and its warnings for proper operation of the unit



Do not place this unit on an unstable cart, stand, tripod, bracket, or table. The unit may fall, causing serious injury to a child or adult, and serious damage to the unit. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the unit. Any mounting of the device should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.

Read all the safety and operating instructions before connecting or using this unit

Retain this notice and the owner's manual for future reference

All warnings on the unit and in its operating instructions should be adhered to

All operating and use instructions should be followed

Do not use this unit near water, for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool

The unit should be installed so that its location or position does not interfere with its proper ventilation. For example, it should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings, or placed in a built-in installation, such as bookcase or cabinet, that may impede the flow of air through its ventilation openings

The unit should be situated away from heat sources such as radiators, heat registers, stoves, or other devices (including amplifiers) that produce heat

The unit should be connected to a power-supply outlet only of the voltage and frequency marked on its rear panel

The power-supply cord should be routed so that it is not likely to be walked on or pinched, especially near the plug, convenience receptacles, or where the cord exits from the unit

Clean unit only as recommended in its instruction manual

The power-supply cord of the unit should be unplugged from the wall outlet when it is to be unused for a long period of time

Care should be taken so that objects do not fall, and liquids are not spilled, into the enclosure through any openings

This unit should be serviced by qualified service personnel when

- A The power cord or the plug has been damaged, or
- B Objects have fallen, or liquid has been spilled, into the unit, or
- C The unit has been exposed to rain, or liquids of any kind, or
- D The unit does not appear to operate normally, or exhibits a marked change in performance, or
- E The device has been dropped, or the enclosure damaged

**DO NOT ATTEMPT SERVICING OF THIS UNIT YOURSELF.  
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.**

### ATTENTION

POUR PRÉVENIR LES CHOCS ÉLECTRIQUES NE PAS UTILISER CETTE FICHE POLARISÉE AVEC UN PROLONGATEUR, UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SI LES LAMES PEUVENT ÊTRE INSÉRÉES À FOND SANS EN LAISSER AUCUNE PARTIE À DÉCOUVERT

### CAUTION

TO PREVENT ELECTRIC SHOCK DO NOT USE THIS POLARIZED PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE

### CAUTION

#### POWER LINES

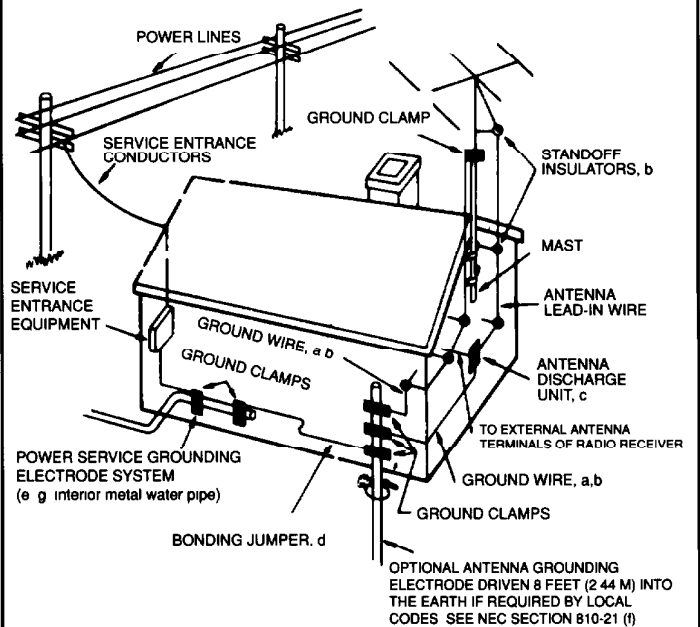
Any outdoor antenna must be located away from all power lines.

#### OUTDOOR ANTENNA GROUNDING

If an outside antenna is connected to your tuner or tuner-preamplifier, be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code, ANSI/NFPA No. 70-1984, 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.

- a Use No.10 AWG (5.3 mm<sup>2</sup>) copper, No.8 AWG (8.4 mm<sup>2</sup>) aluminum, No.17 AWG (1.0 mm<sup>2</sup>) copper-clad steel or bronze wire, or larger, as a ground wire.
- b Secure antenna lead-in and ground wires to house with stand-off insulators spaced from 4-6 feet (1.22-1.83 m) apart.
- c. Mount antenna discharge unit as close as possible to where lead-in enters house.
- d. Use jumper wire not smaller than No.6 AWG (13.3 mm<sup>2</sup>) copper, or the equivalent, when a separate antenna-grounding electrode is used. See NEC Section 810-21 (j).

EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE INSTRUCTIONS CONTAINED IN ARTICLE 810 - RADIO AND TELEVISION EQUIPMENT



#### NOTE TO CATV SYSTEM INSTALLER

This reminder is provided to call the CATV system installer's attention to Article 820-22 of the National Electrical Code that 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

## INTRODUCTION

Congratulations on your decision to purchase the ADCOM GFA-6000 Multi-channel Power Amplifier. You have made a wise choice that will reward you with exceptionally accurate and exciting sound reproduction for years to come.

The GFA-6000 provides ADCOM's exceptional level of sound quality in a configuration specifically developed for the home theater customer who needs a compact yet powerful current source for five speakers. Three of the amplifier's five channels are rated at 100 watts RMS each (ideal for left front, center and right front speakers) while the remaining two channels develop 60 watts each and are perfectly suited for surround information.

A distinguishing feature of this amplifier is its ability to deliver rated power from all channels simultaneously. This is due in part to its substantial power supply configured around a large toroidal transformer with multiple secondary windings and filter capacitors with 72,000  $\mu\text{F}$  storage capability.

These technical design points result in exciting, uncompressed dynamics and distortion free listening regardless of source or room conditions. Whether your favorite source material is a movie soundtrack or a Mahler symphony, the GFA-6000 will reproduce it comfortably and accurately.

Thank you.

## REAR PANEL

We carefully designed the GFA-6000 with your enjoyment and convenience in mind. We've arranged the controls and connections in functional groups so that their use is almost intuitive. Take a few moments to familiarize yourself with the following drawings. You'll find references to the circled ID numbers throughout the rest of this manual.

## **INTRODUCTION**

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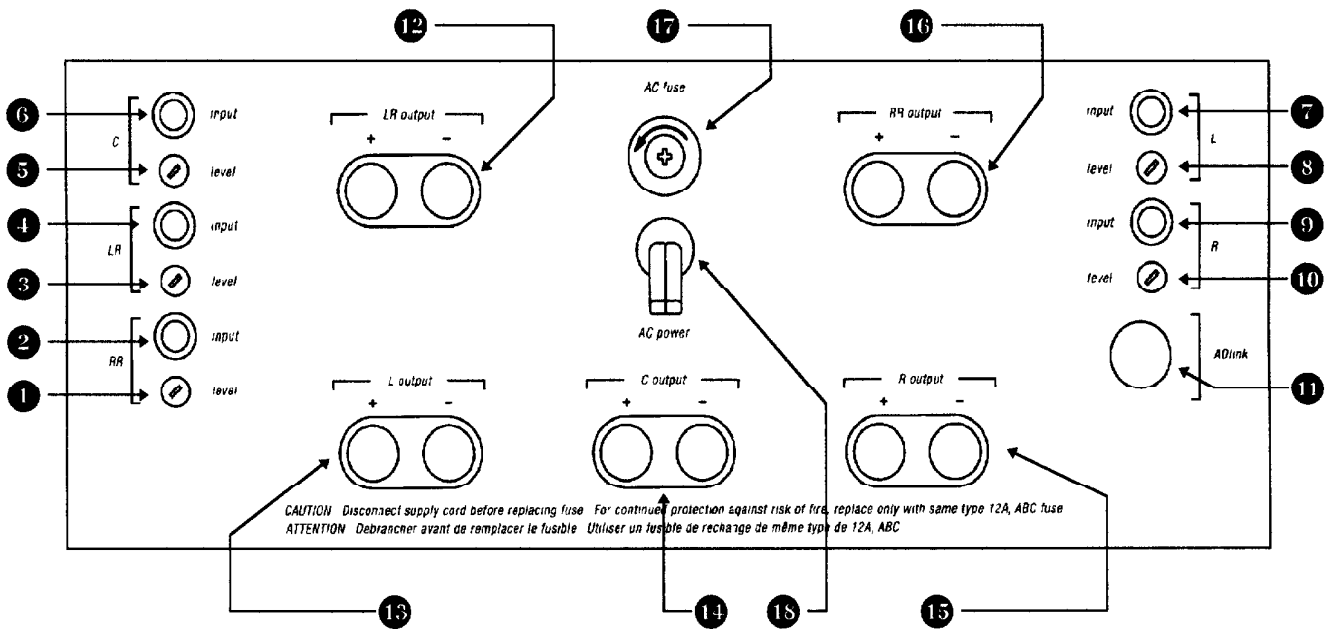
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## GFA-6000 REAR PANEL DIAGRAM

- |   |   |
|---|---|
| <ol style="list-style-type: none"> <li>1. Right rear level adjustment</li> <li>2. Right rear input jack</li> <li>3. Left rear level adjustment</li> <li>4. Left rear input jack</li> <li>5. Center channel level adjustment</li> <li>6. Center channel input jack</li> <li>7. Left front input jack</li> <li>8. Left front level adjustment</li> <li>9. Right front input jack</li> </ol> | <ol style="list-style-type: none"> <li>10. Right front level adjustment</li> <li>11. ADlink™ multi-channel input connector</li> <li>12. Left rear speaker connections</li> <li>13. Left front speaker connections</li> <li>14. Center channel speaker connections</li> <li>15. Right front speaker connections</li> <li>16. Right rear speaker connections</li> <li>17. AC fuse holder</li> <li>18. AC line cord</li> </ol> |
|---|---|



## **UNPACKING**

Unpack the GFA-6000 carefully. The packing and carton were specifically designed to protect your GFA-6000. Even though space is often at a premium in today's homes, we recommend that you save the packing materials in case you need to ship the unit in the future.

As part of ADCOM's quality control procedures, your GFA-6000 was carefully inspected for physical imperfections and electrical performance before it left our plant. In the event of physical damage, notify your ADCOM dealer immediately and request help in filing a written damage claim.

THE RIGHT TO A CLAIM AGAINST A COMMON CARRIER CAN BE FORFEITED IF THE CARRIER IS NOT NOTIFIED PROMPTLY IN WRITING AND IF THE SHIPPING CARTON AND PACKING MATERIALS ARE NOT AVAILABLE FOR INSPECTION. SAVE ALL PACKING MATERIALS UNTIL THE CLAIM HAS BEEN SETTLED.

## **PLACEMENT**

Select a vibration-free location for the GFA-6000 as close as possible to your other audio and video components. A stable supporting surface is necessary. The GFA-6000 is a substantial piece of equipment and the more massive and firmly anchored the supporting surface is, the less likely you'll be to experience any problems.

Be careful not to restrict air flow around the amplifier. Although rare, under very loud playing conditions, the GFA-6000 will produce a substantial amount of heat. For this reason, we strongly recommend that no component be placed directly on top of the GFA-6000 and that any shelf or other obstruction be at least 4" above the top cover.

It is equally important that the amplifier sits on a hard surface so that air flow through the bottom chassis openings is not obstructed. For example, DO NOT PLACE the GFA-6000 on a carpeted surface as the weight of the amplifier will push the chassis down into the carpet fiber and block air flow.

If you intend to place the GFA-6000 in an enclosed cabinet, make sure that the cabinet has air slots at the bottom and top of its rear panel so that air can circulate freely inside.

Do not place the GFA-6000 near any external heat sources such as radiators, hot air ducts, etc.

For professional applications, the GFA-6000 may be placed in a standard 19" professional equipment rack by using the optional RM-5 rack mount adapters available at your ADCOM dealer. However, please note that these adapters are intended only to secure the front panel to the rack itself and ARE NOT DESIGNED TO SUPPORT THE FULL WEIGHT OF THE AMPLIFIER BY THEMSELVES. We recommend the following procedure:

- a) Attach the RM-5 adapter to the GFA-6000 using the instructions included with the RM-5
- b) Place the GFA-6000/RM-5 assembly on a solid shelf in the rack.
- c) Observe all precautions regarding adequate air circulation.

## **POWER OFF**

Turn off all the other components in your system. This means everything. And don't plug the GFA-6000 into the AC outlet yet.

## **CONNECTIONS**

### **PREAMPLIFIER OR TUNER/PREAMPLIFIER TO THE GFA-6000**

- a) Using RCA to RCA patch cords: Using patience and common sense, connect the outputs of your control center (receiver) to the appropriate inputs of the GFA-6000. Remember that channel continuity is most important: connect the left front output of your preamplifier to the left front input ⑦ on the GFA-6000. In a similar manner, connect the right front output to the right front ⑧ input. Continue until all other connections are made.
  
- b) Using the ADlink™ connector (only with ADCOM Surround Sound Tuner/Preamplifiers): This multi-channel connector simplifies control center/power amplifier connections in that it automatically ensures channel continuity. Make sure to orient the connecting cable so that the "key" on each connector aligns with the "key" on the panel sockets of control center and power amplifier. DO NOT FORCE the cable connector into the panel socket. Visually align the "keys" on both cable connector and socket before attempting the connection. If you encounter resistance, rotate the cable connector slightly in each direction while GENTLY pushing the connector into the socket.

You will note that all channels have a corresponding level adjustment ① ③ ⑤ ⑦ and ⑩ immediately below its RCA input jack. These level adjustments are active for both RCA and ADlink inputs.

We've received many questions about the sonic attributes of premium interconnect cables. We do suggest that you make sure any cable you use is a "low capacitance" design. Fortunately, most are. We also suggest that you keep all interconnects as short as your particular installation allows. Your ADCOM dealer will be happy to make cost-effective recommendations based on individual component characteristics and system complexity.

### **GFA-6000 TO LOUDSPEAKERS**

The loudspeaker binding posts on the GFA-6000's rear panel will accept "banana" plugs (either single or double), pin connectors or bare speaker wire. Proper phasing simply means that the polarity of the signal from any channel of the amplifier to the corresponding speaker is consistent. Improper phasing is not dangerous and you will not damage the GFA-6000 or a loudspeaker by hooking things up "out-of-phase." However, you will lose a great deal of spatial information, particularly when playing Dolby Surround™ encoded material.

There are two output terminals (binding posts) for each speaker. They are color coded RED and BLACK to indicate polarity.

- A) The RED terminal on the amplifier, is the "+" terminal and should be connected to the "+" terminal on the loudspeaker. The "+" loudspeaker terminal will either be RED or marked "+," "Positive," "Pos," "8 ohms," or "4 ohms".
- B) The BLACK terminal on the amplifier, is the "-" terminal and should be connected to the "-" terminal on the loudspeaker. The "-" loudspeaker terminal will either be BLACK or marked "-", "Negative," "Neg," "Common," "Com," "C," "Ground," or "G".

In order to maintain proper polarity, most speaker wire is made so you can easily distinguish each conductor. Some wire uses one copper colored conductor and one silver colored conductor with clear insulation. Other types incorporate a ridge molded into the insulation over one of the conductors or some form of insulation color coding.

Each conductor in the speaker wire is usually made of many strands of thin copper. When stripping insulation off the ends of the cable to make connections with the amplifier and loudspeaker, make sure that all the thin strands in one conductor are twisted together and that strands from the "+" conductors are NOT touching strands from the "-". A system malfunction or damage can result from crossed conductors. To help avoid potential problems, we recommend that each exposed end be "tinned" with a high quality electrical solder to help guard against accidental short circuits. This also prevents gradual oxidation from raising the contact resistance and reducing sound quality.

The gauge or thickness of the wire is also important. Thin wire, particularly if used in installations where the speakers are far from the amplifier, will degrade sound quality. Thin wire will absorb some of the amplifier's power and decrease the amplifier's "damping factor" or its ability to control the moving elements of a loudspeaker. Use the following as a guide to choosing the proper wire:

<u>Amplifier-to-speaker distance</u>	<u>Wire Gauge</u>
Under 15'	18 AWG (standard lamp or "zip" cord)
15-40'	16 AWG
40-80'	14 AWG
Over 80'	12 AWG

The GFA-6000's binding posts accept stripped or "tinned" wires, pins crimped onto conductor ends or single and double banana plugs.

- A) To use stripped or "tinned" wires or crimped pin connections, twist the outer nut on the binding post counterclockwise until you see a hole in the center post. Insert the end of the wire through the hole until it protrudes slightly through the other side of the post. Then twist the nut clockwise until it tightens firmly against the conductor.
- B) To use banana plugs, first connect the speaker wire to the banana plug (either single or double) according to the instructions supplied with the plug. Then make sure that the binding post's nut is tightened fully clockwise. Insert the tip of the plug all the way into the opening on the exposed surface of the center stud. Note that dual banana plugs can be inserted so that the positive and negative conductors can be easily "flipped." However, all dual bananas have a small tab molded into the plastic housing immediately above one tip. By industry standard, the tabbed tip is commonly accepted as "-" or "negative".

Banana plugs may offer the best combination of usefulness and dependability as their tempered spring construction provides solid contact while allowing easy removal when needed. Also, banana plugs are "self cleaning" in that their removal and reinsertion removes any oxidation buildup. Your ADCOM dealer will be pleased to make a specific recommendation.



Using any of the methods outlined above, connect the left front loudspeaker to the left front speaker binding posts ⑬. Connect the right front loudspeaker to the right front speaker binding posts ⑭. In a similar manner, connect the center ⑬, left rear ⑭ and right rear ⑮ speakers. Make sure that all connections are firmly made at both the amplifier end and the loudspeaker end and that there are no wire strands crossed from the "+" to the "-" binding posts.

NOTE: The GFA-6000 is capable of driving almost any loudspeaker chosen for a home theater or music-only system. However, loudspeakers with *very low* impedance ratings should probably be avoided, particularly in systems where continuous high volume playback is anticipated. In a similar manner, parallel speaker connections of low impedance speakers (as is sometimes found in multi-room installations) is not encouraged. (Consult your ADCOM dealer for details regarding a multi-room custom installation.)

## **OPERATION**

### **LEVEL ADJUSTMENTS** ① ③ ⑤ ⑦ ⑩

These adjustments (which only *reduce* levels) are provided primarily for installations where the center and rear channel level trims provided by a surround sound control center are insufficient for unusual problems. These generally relate to peculiar speaker placement requirements or extreme mismatches in efficiency between speakers used for front, rear and center channel reproduction.

IN ALMOST ALL CASES, THE GFA-6000 LEVEL CONTROLS SHOULD BE LEFT AT THEIR FULL-CLOCKWISE FACTORY SETTING. In the rare instance where compensation is needed, the adjustments should be turned slowly counter-clockwise until desired levels are reached.

In a home theater installation, for example, you may choose to leave all level trim settings on the controller in their normal or "default" setting and adjust initial speaker balances via the GFA-6000's level controls.

## **POWER ON**

After first making sure that the GFA-6000's power switch is in the Off position, plug the GFA-6000 into a wall outlet. Turn on all other system components and then turn on the GFA-6000. The red LED in the center of the switch will glow when the GFA-6000 is On.

We strongly recommend the use of ADCOM's ACE-515 AC line enhancer/sequential switcher. In addition to providing the convenience and safety of surge protected multiple outlets and dramatically superior RF and EMI filtering, the ACE-515 simplifies system turn-on and turn-off as well. Time delay switching protects your speakers from the potentially annoying effects of power transients. Check with your ADCOM dealer for details.

## LED INDICATORS

There are eleven LED indicators on the front panel. One is the power LED in the Power On/Off switch. The remaining ten give you specific information about the operation of your GFA-6000. These ten LEDs are arranged in five vertical pairs, one pair for each channel. The upper (yellow) LED in each pair is a distortion alert while the lower (red) LED indicates high operating temperatures.

- A) Distortion Alert LEDs: These LEDs light whenever ADCOM's unique detection circuit senses any kind of non-linear distortion such as THD, IM, slew-induced, "clipping," etc. The LED lights whenever distortion components reach 1%. In normal operation, these LEDs will not light. Under high volume conditions, particularly when driving low impedance loudspeakers, these LEDs may flicker occasionally. This is not a cause for alarm as the circuit is simply telling you that the amplifier is approaching its maximum power output capability.

However, if these LEDs light brightly and continuously, it is an indication that you are overdriving the amplifier and should lower the volume. If you fail to reduce playback levels, you may blow the internal protection fuses, activate the thermal protection circuit (see the next paragraph) or, in extreme cases, damage your loudspeakers.

- B) Thermal Protection LEDs: These LEDs light whenever an internal sensor detects heat sink temperatures in excess of 85° Centigrade. When a Thermal Protection LED lights, the corresponding channel is automatically disconnected to protect the output circuitry. The thermal protection circuit will automatically reset when operating temperatures return to safe levels.

If the GFA-6000 ceases to operate and both the power LED and the Thermal Protection LEDs are off, the AC line fuse is probably blown. Refer to the following section for more information.

## FUSE INFORMATION

- A) AC Line Fuse: This fuse is located immediately above the AC power cord on the rear panel. Note that domestic versions of the GFA-6000 (always set for 115 VAC) use a separate fuse holder and non-detachable AC cord. Export versions (which may be set for 115 or 230 VAC) use an integrated fuse holder/detachable AC line cord receptacle.

The AC line fuse protects the GFA-6000's circuitry and will normally blow only if there is an internal malfunction. However, it can also blow when the amplifier attempts to deliver very high power into very low impedance loudspeaker loads. In either case, **REPLACE THE AC LINE FUSE ONLY WITH AN EXACT REPLACEMENT VALUE FUSE.** The proper fuse values are:

For 115 volt operation: 12A ABC/250 volt

For 230 volt operation: 6A AGC/250 volt

*Failure to use the same fuse value may void your warranty, cause serious damage to the amplifier or create a fire hazard.*

- B) Internal power supply fuses: These fuses also protect amplifier circuitry in the event of a malfunction and may blow when excessive power is called for, particularly for extended periods of time. If the GFA-6000 ceases to operate but the power LED remains on but no thermal protection LEDs light, the internal power supply fuses may be blown. If this occurs, refer servicing to your ADCOM authorized repair center.

## **WARNING**

THERE ARE POTENTIALLY LETHAL VOLTAGES WITHIN THE GFA-6000 AMPLIFIER. REMOVING THE AMPLIFIER'S TOP COVER GREATLY INCREASES YOUR CHANCE OF INADVERTENTLY EXPOSING YOURSELF TO EXTREME DANGER. REFER ALL SERVICING TO QUALIFIED PERSONNEL. DO NOT ATTEMPT TO REPLACE ANY INTERNAL FUSES YOURSELF UNLESS YOU ARE A QUALIFIED SERVICE TECHNICIAN.

## **CARING FOR YOUR NEW GFA-6000**

ADCOM has taken great care to assure that your GFA-6000 is as flawless in appearance as it is electrically. The front panel is a heavy-gauge, high grade anodized aluminum extrusion bead blasted for durability. The chassis, rear panel and top cover are painted and baked heavy gauge steel.

If the outer cover or front panel becomes dusty or fingerprinted, please clean with a soft, lintless cloth SLIGHTLY DAMPENED with a very mild detergent solution.

DO NOT SPRAY OR USE LIQUIDS OF ANY KIND ON YOUR UNIT!  
NEVER USE HARSH SCOURING POWDERS!

## **SERVICING**

ADCOM's Technical Service Department will be happy to answer all questions pertaining to the installation and operation of your unit. In the unlikely event of difficulty, please contact us for prompt advice. If we can't help you resolve the problem immediately, we may refer you to an authorized repair agency, or authorize the return of your unit to our plant.

All written inquiries should be addressed to:

ADCOM Service Department  
11 Elkins Road  
East Brunswick, NJ 08816  
USA

Telephone inquiries are welcomed Monday through Friday between 9 AM and 4 PM, Eastern Time. Please call (908) 390-1130.

We'll also be happy to answer FAX inquiries sent to (908) 390-9152. Please include your phone and FAX numbers so we can respond.

When inquiring about your unit, please include the serial number, the name of the dealer from whom you purchased the unit and the date of purchase.

If we ask you to return the unit to us for service, we will issue a specific Return Authorization number for your use. UNDER NO CIRCUMSTANCES SHOULD THE UNIT BE SHIPPED TO US WITHOUT PROPER AUTHORIZATION OR PACKED IN ANYTHING OTHER THAN ITS ORIGINAL PACKING.

If the original packing has been lost, discarded or damaged, we will supply a replacement at a nominal charge. Please mention your need when you call or write. Always ship PREPAID via UPS (United Parcel Service) or other appropriate carrier. FREIGHT COLLECT SHIPMENTS WILL BE REFUSED.

DO NOT SHIP VIA PARCEL POST as the packaging may not withstand handling by our Postal Service.

# GFA-6000 SPECIFICATIONS

## Power Rating (To FTC Requirements)

### 3 Front Channels

100 watts continuous average power into 8 ohms at any frequency between 20Hz and 20kHz with all channels driven at less than 0.09% THD.

150 watts continuous average power into 4 ohms at any frequency between 20Hz and 20kHz with all channels driven at less than 0.09% THD

### 2 Rear channels

60 watts continuous average power into 8 ohms at any frequency between 20Hz and 20kHz with all channels driven at less than 0.09% THD

100 watts continuous average power into 4 ohms at any frequency between 20Hz and 20kHz with all channels driven at less than 0.09% THD.

## IM Distortion (SMPTE)

### 3 Front Channels

1 watt to 100 watts into 8 ohms ..... ≤ 0.05%

1 watt to 150 watts into 4 ohms ..... ≤ 0.05%

### 2 Rear channels

1 watt to 60 watts into 8 ohms ..... ≤ 0.05%

1 watt to 100 watts into 4 ohms ..... ≤ 0.05%

## IM Distortion (CCIF, Any Combination from 4kHz to 20kHz)

### 3 Front Channels

100 watts into 8 ohms ..... ≤ 0.009%

150 watts into 4 ohms ..... ≤ 0.009%

### 2 Rear channels

60 watts into 8 ohms ..... ≤ 0.009%

100 watts into 4 ohms ..... ≤ 0.009%

## Frequency Response @ 1 Watt, all Channels into 8 Ohms

10Hz to 20kHz ..... +0,-0.25dB

## Power Bandwidth (-3dB)

3Hz to 100kHz

## Dynamic Headroom into 4 Ohms (3 Front Channels)

2.8dB

## Dynamic Headroom into 4 Ohms (2 Rear Channels)

1.8dB

## Signal to Noise Ratio, "A" Weighted

### 3 Front Channels

100 watts into 8 ohms ..... ≥ 105dB

### 2 Rear channels

60 watts into 8 ohms ..... ≥ 102dB

## Gain (Level Controls @ Max)

29dB

## Damping Factor

20Hz to 20kHz (3 Front Channels) ..... ≥ 1000

20Hz to 20kHz (2 Rear Channels) ..... ≥ 380

## Rise Time

5kHz, 80V peak to peak square wave, 20% to 80% (3 Front Channels) ..... 2.2 us

5kHz, 62V peak to peak square wave, 20% to 80% (2 Rear Channels) ..... 2.3 us

## Power Consumption

Quiescent ..... 72VA

Maximum ..... 1440VA

All channels driven @ rated power into 8 ohms ..... 840VA

All channels driven @ rated power into 4 ohms ..... 1320VA

## General

Power (available in 220V or 240V on special order) ..... 120VAC/50-60Hz

Chassis Dimensions ..... 5"(127mm) x 17"(432mm) x 13-½"(343mm)

Maximum Dimensions ..... 5-½"(140mm) x 17"(432mm) x 4¼"(362mm)

Weight ..... 31.6 lbs. (69.5kg)

Weight, Packed ..... 38 lbs (83.6kg)

**ADCOM**  
11 Elkins Road  
East Brunswick, NJ 08816 U.S.A.  
Telephone (908) 390-1130  
Fax (908) 390-9152