

STATEMENT A2/A5 OPERATING MANUAL

A  T H E M[®]



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SONIC FRONTIERS
INTERNATIONAL

BREAKING THE SOUND BARRIER™

SAFETY PRECAUTIONS

READ THIS SECTION CAREFULLY BEFORE PROCEEDING!

	WARNING RISK OF ELECTRIC SHOCK DO NOT OPEN	
WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.		



The lightning flash with arrowpoint within an equilateral triangle warns of 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 warns users of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE AND OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHOULD NOT BE PLACED ON THIS PRODUCT.

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

CAUTION: FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE THE FUSE ONLY WITH THE SAME AMPERAGE AND VOLTAGE TYPE. REFER REPLACEMENT TO QUALIFIED SERVICE PERSONNEL.

WARNING: UNIT MAY BECOME HOT. ALWAYS PROVIDE ADEQUATE VENTILATION TO ALLOW FOR COOLING. DO NOT PLACE NEAR A HEAT SOURCE, OR IN SPACES THAT CAN RESTRICT VENTILATION.

IMPORTANT SAFETY INSTRUCTIONS

1. **Read Instructions** – All the safety and operating instructions should be read before the product is operated.
2. **Retain Instructions** – The safety and operating instructions should be retained for future reference.
3. **Heed Warnings** – All warnings on the product and in the operating instructions should be adhered to.
4. **Follow Instructions** – All operating and use instructions should be followed.
5. **Cleaning** – Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp, soft cloth for cleaning.
6. **Water and Moisture** – Do not use this product near water – for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.
7. **Accessories** – Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow manufacturer’s instructions, and should use a mounting accessory recommended by the manufacturer.

- 16. Object and Liquid Entry** – Never push objects of any kind through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Do not expose this product to dripping or splashing and ensure that no objects filled with liquids, such as vases, are placed on the product.
- 17. Servicing** – Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
- 18. Damage Requiring Service** – Unplug this product from the wall outlet and refer servicing to qualified personnel under the following conditions:
- When power-supply cord or plug is damaged.
 - If liquid has been spilled, or objects have fallen into the product.
 - If the product has been exposed to rain or water.
 - If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will require extensive work by a qualified technician to restore the product to its normal operation.
 - If the product has been dropped or damaged in any way.
 - If the product exhibits a distinct change in performance – this indicates a need for service.
- 19. Replacement Parts** – When replacement parts are required, be sure the 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 this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.
- 21. Heat** – The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.



RECYCLING AND REUSE GUIDELINES (Europe)

In accordance with the European Union WEEE (Waste Electrical and Electronic Equipment) directive effective August 13, 2005, we would like to notify you that this product may contain regulated materials which, upon disposal, require special reuse and recycling processing. For this reason Paradigm Electronics Inc. (the manufacturer of Paradigm speakers and Anthem electronic products) has arranged with its distributors in European Union member nations to collect and recycle this product at no cost to you. To find your local distributor please contact the dealer from whom you purchased this product or go to our website at www.paradigm.com.

Please note that only the product falls under the WEEE directive. When disposing of packaging and other shipping material we encourage you to recycle through the normal channels.

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1. INTRODUCTION

Thank you for purchasing the Anthem Statement A Series Power Amplifier.

The A2 is a two-channel power amplifier, and the A5 has five channels. Anthem products are engineered to recreate the passion of a live musical performance and thrill of the best movie theaters by using the highest level of circuit design, superior build quality, innovative features, and intuitive ergonomics.

1.1 BEFORE OPERATING THE AMPLIFIER

Check that you have received everything in the Packing List below and report any discrepancies to your dealer as soon as possible. Retain all packing materials and use them for any future shipment.

Packing List:

- Amplifier
- Power Cord (North America only)
- Operating Manual

Keep the invoice that you received from your authorized Anthem dealer at time of purchase – without it, service will not be provided under warranty.

Safety Instructions:



- Read all safety precautions and instructions at the beginning of this manual.
- Do not connect power if there are any signs of damage to any part of the exterior.
- The Front Panel power buttons and the Rear Panel switch do not disconnect the product from the AC line. Ensure that the power cord remains readily accessible at all times.
- To connect power, only use the supplied double-insulated power cord.
- Allow adequate ventilation to ensure reliable operation and to prevent overheating. The amount of space required above the unit for radiation depends on ambient air temperature and circulation. Installation inside a cabinet with a front that can be closed is not recommended unless a fan is also installed to adequately draw air away from the top of the unit.
- Failing to comply with any safety instruction, precaution, or warning in this Operating Manual is in direct violation of the standards of design, manufacture, and intended use of the product.
- Anthem and any related party assume no liability for the user's failure to comply with requirements.

1.2 IN-USE NOTICES

- Disconnect the power cord before connecting or disconnecting any components.
- Do not remove the top cover.
- Do not modify the product.

2. CONNECTIONS AND OPERATION

2.1 INPUT CONNECTIONS

Balanced XLR connection offers the highest transmission quality, particularly over long cable lengths, because it rejects noise and hum pickup. If your preamplifier is not equipped with XLR outputs, use the Single-Ended RCA inputs.

Do not use 'RCA-compatible' connectors that have a hollow center pin with a hole at the tip – inserting them into the Statement amplifier's RCA jacks can cause internal damage.

2.2 SPEAKER CONNECTIONS



Depending on the level of the input signal, the voltage at the outputs can be high enough to cause electric shock – be sure that power is turned off when connecting or disconnecting anything. As well, be sure that the speakers are rated for use with this amplifier – an overdriven speaker can pose a fire hazard.

Connect the red (+) connection on the speaker to the red (+) binding post on the appropriate amplifier channel, and the black (–) connection on the speaker to the black (–) binding post on the same amplifier channel, using cable that is insulated to handle the maximum output of the amplifier. Do not overtighten the binding posts as this may cause damage. Each binding post accepts a connection from one speaker.

2.3 ON MODES

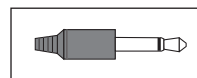
With the three-way switch located on the rear panel, you can set the way the amplifier is turned on and off. To use Trigger-On, connect a standard 3.5mm (.125") mono mini plug cable between the amplifier and the preamplifier or control component. Once all other connections are made, connect the power cord to the amplifier and then the wall outlet. Some 'clicks' should be heard from relays inside the amplifier a few seconds after power is turned on.

Manual-On:

When in this position, the amplifier is turned on/off via the power button on the front panel.

Trigger-On:

This feature allows the amplifier to be turned on or off remotely via the trigger. The 3.5mm (.125") mini-jack INPUT receives power (5-24 volts, AC or DC) from an upstream component or system controller. The same trigger signal can be linked to other components through the OUTPUT. When using Trigger mode, leave the front power button in the 'on' position.



Auto-On:

This feature also eliminates the need to manually operate the power button. Auto-On turns the amplifier on whenever it senses an input signal on any channel, and switches off 20 minutes after the input signal stops. The power button on the front panel must be left 'on'.

LED Indicators:

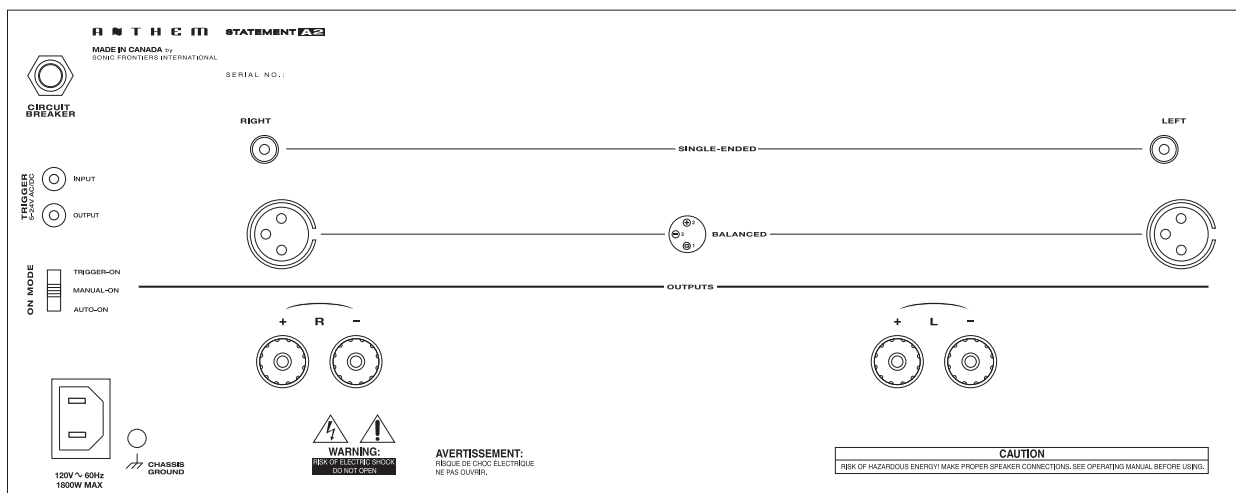
The LEDs in the middle of the front panel are lit when the amplifier is on. In Auto or Trigger mode, the LED beside the power button remains lit to indicate standby mode when the amplifier is off.

Note: The amplifier is equipped with a thermal shut off feature. If it overheats, the affected channel will remain off until the temperature falls below the shut off threshold.

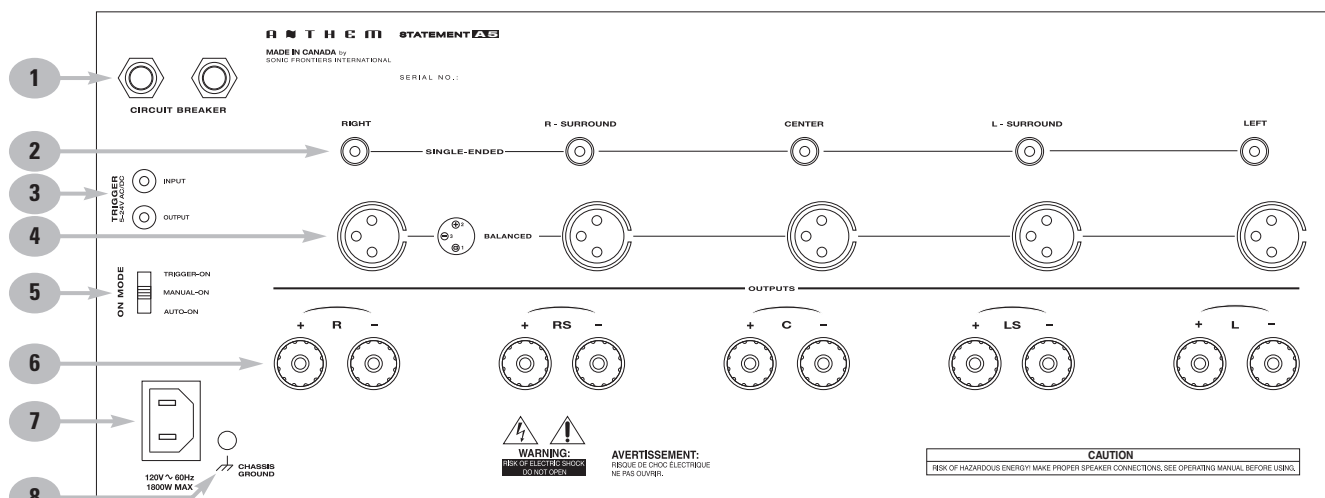
There are no fuses inside the amplifier. If an overcurrent condition occurs in any channel, an AC line breaker located on the rear panel will trip. To reset, push it back in.

2. CONNECTIONS AND OPERATION continued ...

2.4 REAR PANEL LAYOUT



STATEMENT A2



STATEMENT A5

- 1 – Circuit breaker (two in Statement A5)
- 2 – Single Ended RCA Input
- 3 – Trigger Input and Output
- 4 – Balanced XLR Input

- 5 – On-Mode (Trigger / Manual / Auto)
- 6 – Speaker Binding Posts
- 7 – Power Cord Socket
- 8 – Chassis Ground

SPECIFICATIONS

Power Output (Continuous RMS, 20 Hz to 20 kHz, <1.0% THD)

A2: One Channel Driven (8 Ω , 4 Ω , 2 Ω)	225 W, 370 W, 535 W
All Channels Driven (8 Ω , 4 Ω , 2 Ω)	200 W, 300 W, 410 W
A5: One Channel Driven (8 Ω , 4 Ω , 2 Ω)	225 W, 370 W, 535 W
All Channels Driven (8 Ω , 4 Ω , 2 Ω)	180 W, 265 W, 340 W*

*Special Test Conditions Required for 2 Ω

Frequency Response 20 Hz to 20 kHz (+0, -0.15 dB), 5 Hz to 100 kHz (+0, -2 dB)

THD+N 0.001% at 1 kHz, 0.03% at 20 kHz (200 W into 8 Ω)

IMD 0.0005% (CCIF, 225 W into 8 Ω)

Power Bandwidth 10 Hz to 100 kHz (+0, -3 dB, 225 W into 8 Ω)

Slew Rate 30 V/ μ s

Input Sensitivity 1.5 Vrms in for 225 W out into 8 Ω

Input Impedance 10 k Ω (RCA), 15 k Ω (XLR)

Damping Factor 360 at 1 kHz (ref. 8 Ω)

S/N Ratio (ref. 225 W, IEC-A filter) 120 dB

Crosstalk -78 dB at 1 kHz

Voltage Gain 29 dB

XLR Pin Configuration Pin 1: Ground, Pin 2: Positive, Pin 3: Negative

POWER REQUIREMENT

Power Consumption at maximum power output (8 Ω load)

Statement A2	800 W
Statement A5	1800 W

Low voltage version: In countries where the line voltage is 120V, this product operates from a single phase AC power source that supplies between 108V and 132V at a frequency of 60 Hz.

High voltage version: In countries where the line voltage is 220, 230, or 240V, this product operates from a single phase AC power source that supplies between 216V and 264V at a frequency of 50 or 60 Hz

DIMENSIONS

Height 7 ⁵/₈ inches (19.4 cm) including feet, rackmounting – 4 rack units without feet

Width Standard Version 19 ¹/₄ inches (49 cm)
Rackmount Version 19 inches (48.3 cm)
No-Handle Version 17 ¹/₄ inches (43.8 cm)

Depth A2: 13 ¹/₂ inches (34.3 cm), A5: 19 ³/₈ inches (49.2 cm)

Weight (unpacked)

Statement A2	34 lb (15.5 kg)
Statement A5	57 lb (25.9 kg)

LIMITED WARRANTY

CANADA & USA

The warranty period on Anthem products is five (5) years for power amplifiers and integrated amplifiers, three (3) years for audio preamplifiers and audio processing, two (2) years for video equipment and video processing, one (1) year for remote controls, and six (6) months for projector lamps from date of purchase from Anthem or an Authorized Anthem Dealer. If Anthem determines that the product has a defect in materials or manufacturing during the period Anthem will at its option repair, replace or provide the necessary replacement parts without charging for parts or labor. Repaired or replaced equipment or parts supplied under this warranty are covered by the unexpired portion of the warranty.

This warranty is transferable only if the re-sold product is purchased from an Authorized Anthem Dealer. Display products sold by an Authorized Anthem Dealer are covered by the same warranty except that the period commences on the date of the dealer invoice, not the purchaser's invoice, and cosmetic flaws are excluded.

Warranty is void if the serial number has been removed, altered or defaced, if the product has been operated, installed or handled other than in accordance with the intended application, tampered with, modified, or damaged by accident, while in transport or by failure of electric power, or has been repaired by a non-authorized party. Anthem shall have no obligation to correct any defect that is not reproducible by Anthem. If inspection by Anthem discloses that the repair required is not covered by this warranty, regular repair charges shall apply.

If a problem is discovered in your Anthem product, please contact the Authorized Anthem Dealer from whom you purchased the product. Your dealer will help to determine the cause of the problem and arrange for the appropriate action. Alternatively, follow the procedure below for factory service.

A Return Authorization (RA) number must be obtained from Anthem Technical Support before a product can be shipped to Anthem for any reason. Product shipped to Anthem without its RA Number clearly visible on the outside of the shipping carton will be refused and returned to the sender, freight collect. Product shipped to Anthem must have shipping and insurance prepaid by the sender, be packaged in the original carton and packing material and accompanied by a written description of the defect. Service will not be given under warranty without an accompanying copy of the sales invoice. Product repaired under warranty will be returned with shipping and insurance prepaid by Anthem (within Canada and continental USA only).

Disclaimer of Liability

Under no circumstances shall Anthem, its agents, representatives or employees assume liability or responsibility for injury or damages sustained in the use or operation of Anthem products or for damages to connected products. Some jurisdictions do not allow limitations of incidental or consequential damages so this exclusion may not apply to you.

Anthem reserves the right to make design changes without obligation to revise prior versions. All specifications are subject to change without notice.

This warranty shall be the sole and exclusive remedy to you. No other warranty or condition, statutory or otherwise, expressed or implied, shall be imposed upon Anthem nor shall any representation made by any person, including a representative or agent of Anthem, be effective to extend the warranty coverage provided herein.

On the expiration of the warranty all liability of Anthem in connection with the product shall terminate.

INTERNATIONAL

Terms and conditions are set and maintained by the Authorized Anthem Distributor, not Anthem.



DESIGNED AND MANUFACTURED IN NORTH AMERICA

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