**S201 Amplifier Specifications**

**Inputs:**
- True Balanced (XLR)
  - Input Impedance 36kOhm
- Single-Ended (RCA)
  - Input Impedance 18kOhm

**Input Sensitivity:**
- 2.15 Vpp @ 200W  
  (High Gain +34dB)
- 4.3 Vpp @ 200W  
  (Low Gain +28dB)

**Common Mode Range:**
- +/- 20 V

**Max. Linear Input Range:**
- 5 Vpp

**Max. Input Voltage:**
- 20 Vpp

**Transistors:**
- All Bi-Polar

**Feedback:**
- 0 Negative Local Feedback
- 0 Negative Global Feedback

**Damping Factor:**
- 80

**Signal to Noise Ratio:**
- >120 dB

**Power Rating:**
- >200 Watts at 8 Ohms
- Capable of driving a 2 Ohm load

**Static Power Consumption:**
- 320 Watts

**Filter Capacitance:**
- 249,600 uF

**Transformers:**
- 1000W Toroidal Transformer

**Dimensions:**
- 17” x 13”
- 8.5” tall including foot
- 85 LBS

**Control Features:**
- Switch for Balanced or Single-ended operation
- Power On / Standby / Off
- Remote Power Control

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**Setup and Quick Start**

This is easy. Plug it in and go.

**Lower Power Button -** Turns AC power on and off.

**Upper Standby Button -** Connects and disconnects the outputs.

**Power** - The power requirement depends on the speakers being driven. The amplifier will run off a single 120V, 20A circuit easily with a standard 8 ohm speaker load. With a 2 or 4 ohm load, they will still run off a 20A circuit, but the circuit should not be shared with lots of other devices.

**Inputs** - The amplifier will accept a single-ended or balanced input but not both.

**Outputs** - Connect to your speakers.
A Simple Approach

The S201 provides a simple but effective approach to good sound. An amplifier does two things, it increases the voltage of an audio signal and it increases the current. Class A amplifiers completely overlap the positive and negative signals providing great performance but with huge power losses. Class A-B overlap only a little with much lower power use but compromised performance. The MSB amplifier uses a fully CLASS A stage to increase the voltage signal, and a CLASS A-B stage with no voltage gain to increase the current supplied. This unique hybrid gives the best of both - a great performance with reduced power requirements.

Burn-In

The concept of burn-in is little understood. Does it take your ears some time to get used to the incredibly detailed and life like sound of an MSB product or is something actually changing. The feedback we receive leads us to recommend at least 100 hours of burn-in on this amplifier. Customers generally recommend one month.

Input Setting

A switch is located between the RCA single-ended and XLR balanced inputs. If using the RCA input set switch to RCA. If XLR is being used try setting DOWN first to the XLR - 6 db. If you have enough gain in your system this is the best setting. If you cannot get enough output level, try putting the switch in the center position. You will get 6 db more gain.

Heat

These amplifiers will get quite warm. They should be used in an open air-conditioned room with nothing covering them. Operation in extreme conditions will cause thermal shutdown. When they cool down they will again operate. Heat is not reduced in stand-by mode. If your listening room is subject to high temperature when you are not using these amplifiers, please turn them off.

Fuse and Voltage

To meet the world-wide AC power specifications, two different internal configurations have been used. These are not switchable so Amplifiers cannot be moved between regions.

- Japan Model requires 100VAC +/- 10V, 50 or 60 Hz (The voltage switch shown is removed)
- Switchable model requires 110 to 120VAC +/- 10V or 220 to 240VAC +/- 20V, 50 or 60 Hz

The amplifier uses a 15A SLOW BLOW fuse. It is an input fuse only. The amplifier does not have output fuses.

12 Volt Remote Trigger

This power supply is equipped with a remote trigger for use with other MSB products. The trigger uses a headphone jack. When any MSB product is turned off, the other products connected will also turn off and vice-versa. The connector is wired as shown. If you connect “signal” to “ground”, all MSB products will turn off. If you connect “signal” to “12 V”, all MSB products will turn on.

12 Volt Remote Trigger wiring.

Power LED Color Table

Green: The unit is on and operating
Amber: The switch for the unit is on, but the 12V trigger has turned it off. OR, the switch for the unit is on, but the protection has shut it off because of overheating or over voltage.
Red: The switch is in the Off position.
Off: There is no power due to a blown fuse or no power connection.

Warranty

All MSB products carry a one year warranty in the country of origin. No returns accepted without an RMA. Upon receipt, MSB will repair or replace any defective product. All product shipped FOB Aptos. Shipping and shipping damage is the responsibility of the consignee.