

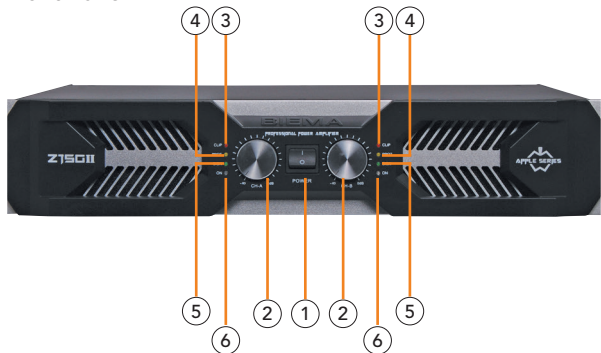
PA Amplifier Stereo 2x150W

Operating Instructions



This PA Amplifier is an effective solution for demanding commercial audio applications. This new series dubbed the "Apple" range have been completely redesigned by Biema to offer vastly improved cooling, efficiency and circuit protection. This range is designed to function as a stereo or high power single channel amplifier for use in foreground sound reinforcement ie: pubs, clubs, cinemas and multi-function venues. The variable speed cooling fan and 'T' shaped heatsink tunnel ensure the amplifier performs well even in demanding conditions.

Front Panel

**1. Mains Switch**

When you first press the switch, a soft start circuit will run to avoid a surge strike. In about 3-4 seconds there will be a click to indicate that the soft start has finished. 1-2 seconds later there will be another click to indicate the amplifier is connected.

2. CH-A/CH-B Input level control

Adjust the control to the desired volume. Only use the CH-A control whilst amplifier is set in Bridge or Parallel mode.

3. CH-A/CH-B Clip Value Indicator

The LED will light up red to indicate when the output signal has reached its clipping level. If this occurs adjust the input level controls so the LED turns off. When the audio signal is being received at the input the LED lights continuously. If no sound comes from the speaker its possible that there is a short circuit in the speaker line. Turn off the amplifier, detect where the fault is occurring and remedy the fault.

4. CH-A/CH-B Protection Indicator

The LED will light up yellow to indicate the following; the power transistor's temperature is over 100°C, there is an issue or fault with the amplifier and when you have turned amplifier on after its been off for 4-6 minutes.

5. CH-A/CH-B Signal

The LED will light up green to indicate when there is a signal input for channels A and B.

6. Power On Indicator Lamp

The LED will light up blue to indicate the amplifier is turned on.

Rear Panel



1. Mains Power Connector (with fuse socket)

2. CH-A/CH-B Output Connector

Use Banana plugs or bare wire for the speaker connection through binding posts

3. Ground/Lift Switch

4. CH-A/CH-B Input Connector

Use a 6.35mm connector or 3 Pin XLR connector.

5. Air Vents

When the amplifier is on the heat will exit through the air vents so please use amplifier in an area with ventilation

6. Speakon Output Sockets

When the amplifier is in stereo mode, you can use the speakon socket for connection. The standard connection is 1+2+; 1-2-

Features

- Rugged heavy duty construction
- 19" rack mount
- Earth lift switch
- 3 pin XLR and 6.35mm inputs.
- Short circuit protection with indicator
- Overload protection with indicator
- Clipping prevention circuitry with indicator
- Variable speed fan forced cooling
- Muting circuit for switch on/off

Specifications

Output Power 8 Ω : 2x150W RMS

Output Power 4 Ω ;; 2x220W RMS

Frequency Response: 10Hz - 50KHz -1.5db

Input Sensitivity: 1V

Signal to Noise Ration: >90dB

Crosstalk at rated power 8 Ω 1kHz: >70dB

Damping factor f=1kHz 8 Ω : >150

Slew rate internal: 30V μ S

Protection: Short circuit, DC fault AC line fuses, Thermal cutoff

Indicators: Power (blue), Clip (red), Protection (yellow)

Cooling: Variable speed fan

Front panel controls: Level (Channel A, Channel B), Power switch

Rear panel controls: Ground/lift switch

Connectors: 6.35mm input, XLR input, Speakon output, Binding post output

Power supply: AC115/230V 50-60Hz

Dimensions(WxDxH): 482x314x88mm

Weight: 11kg

Safety Instructions

1. Read instructions before the product is connected and used.
2. Retain Instructions for future reference
3. Follow the warnings in instructions
4. Do not expose this appliance to heat sources such as radiators
5. The appliance should be placed so nothing interferes with its ventilation.
6. This appliance should be connected to a power supply thats suitable.
Be sure to connect the appliance to a mains power socket which features a protective grounding connection.

Caution: To reduce the risk of electric shock, do not remove any parts. No user serviceable parts inside. Refer servicing to qualified service personnel only.

WARNING: To reduce fire or electric shock do not expose this appliance to rain and moisture. Electrical equipment should never be kept or stored in damp environments.