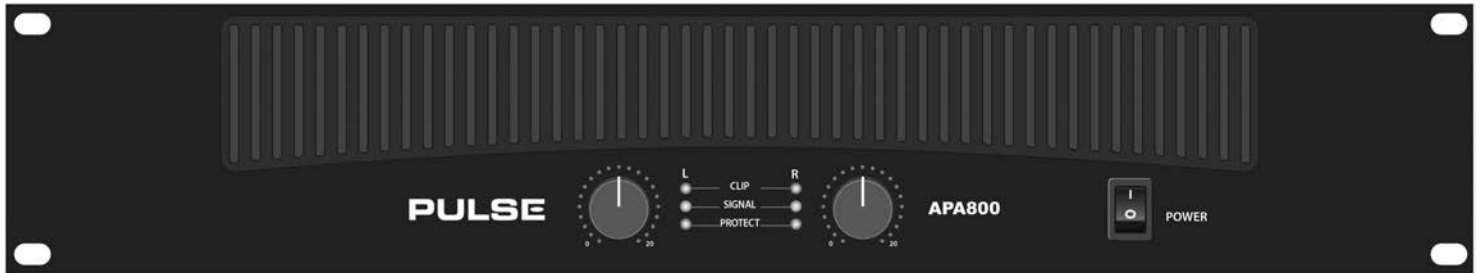# PULSE

APA Series Power Amplifiers

APA200, APA500, APA800

- 19" Rackmount (2U)

- High power output

- Combo XLR/6.3mm jack and RCA inputs

- Speaker, 6.3mm jack and binding-post outputs

- Fan cooled

- Output circuit overload protection

- Mains powered via IEC connector

SPECIFICATIONS

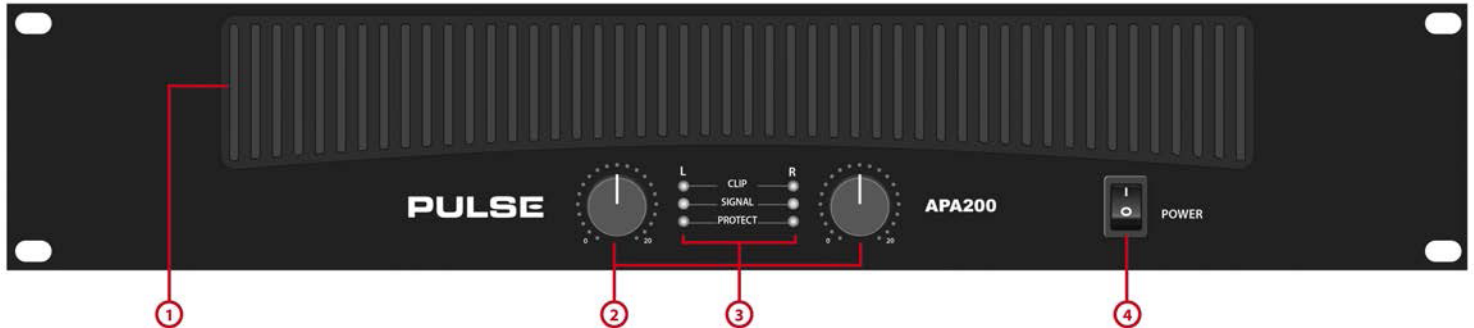|	APA200	APA500	APA800
Output Max per channel @ 4Ω	200W	500W	800W
Output RMS per channel @ 4Ω	100W	250W	400W
Output Max per channel @ 8Ω	140W	340W	540W
Output RMS per channel @ 8Ω	70W	170W	270W
Dimensions	88 x 482 x 270mm	88 x 482 x 340mm	88 x 482 x 340mm
Weight (unpacked)	6.8kg	9.1kg	12.3kg

INTRODUCTION

Thank you for purchasing this Pulse APA-series power amplifier.
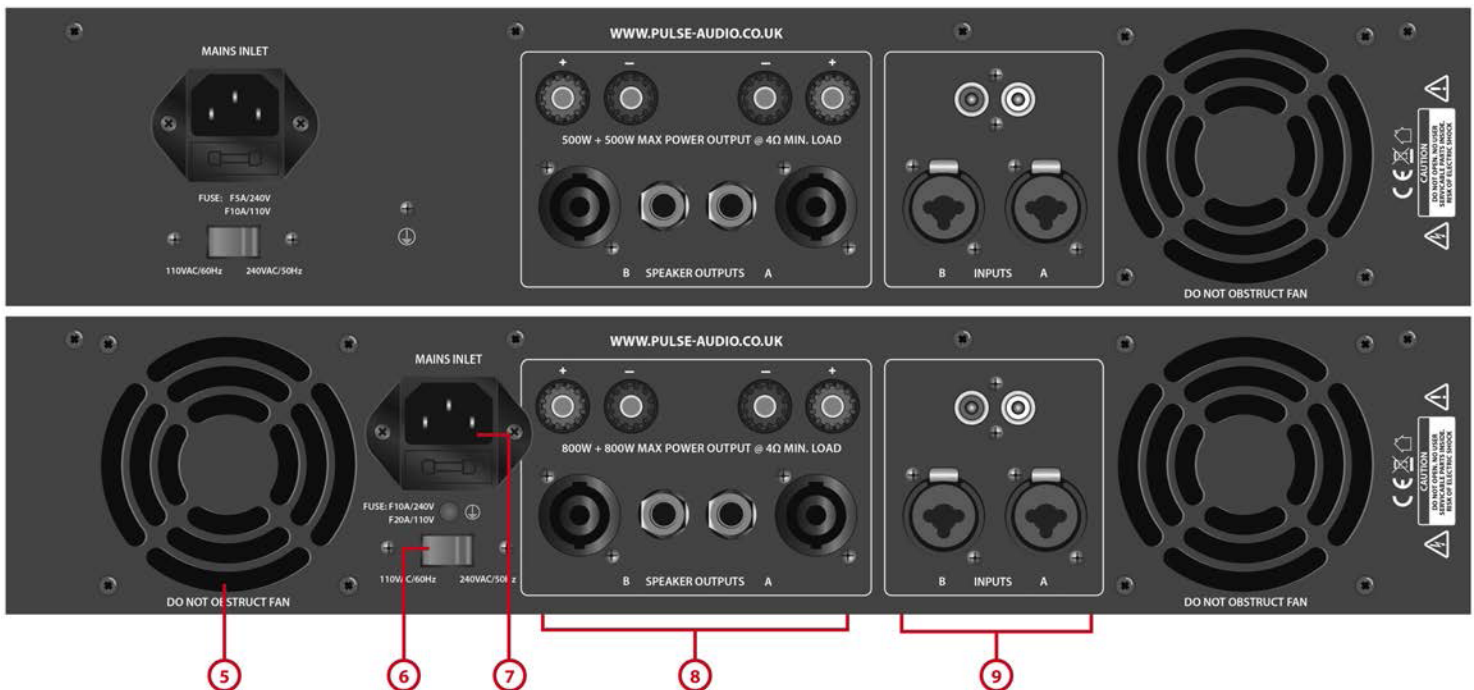This product is intended to give long term, reliable service in normal usage.
Please read these instructions before use to avoid incorrect operation and outline the functions and controls.
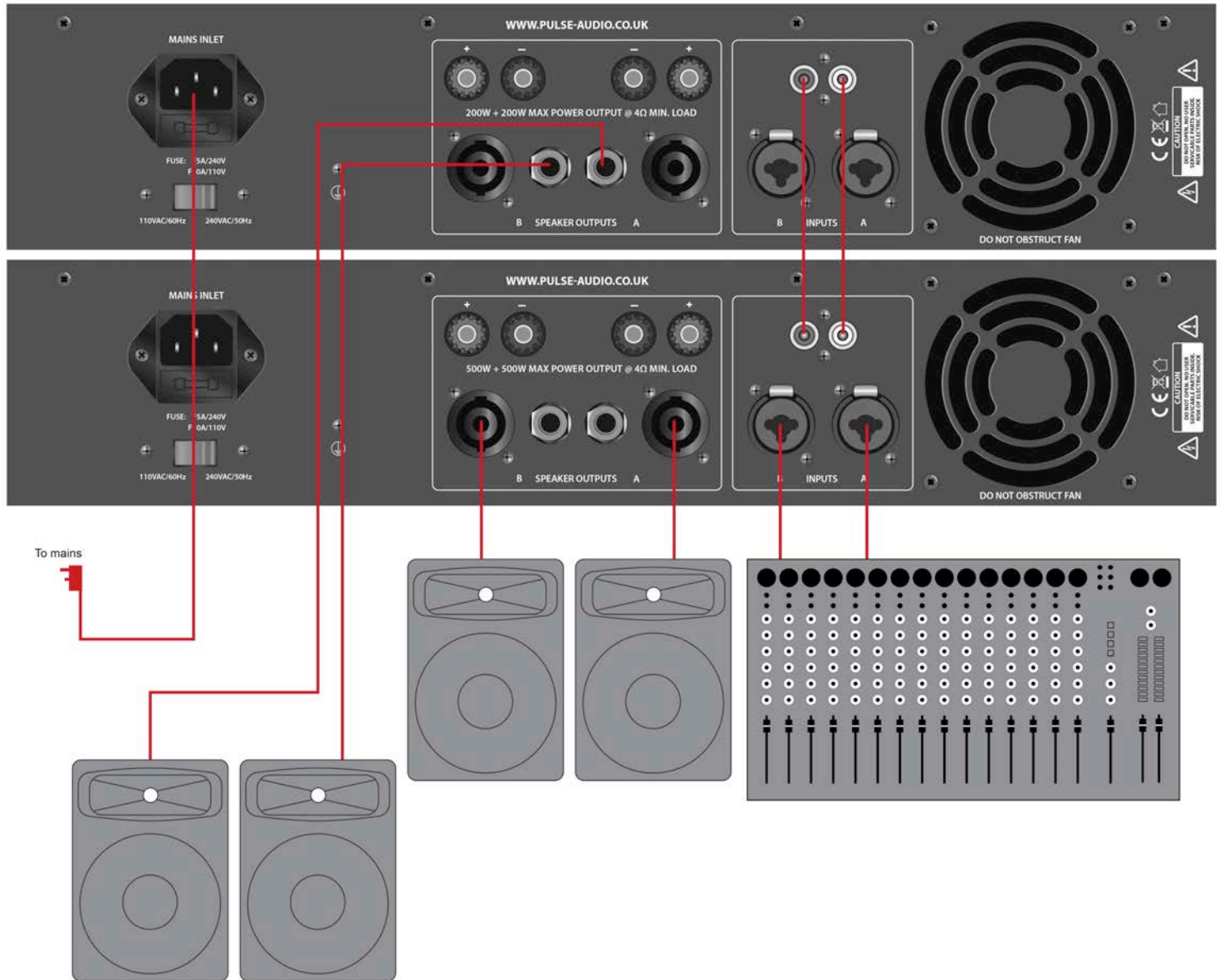
FRONT PANEL

(1)   **VENTILATION GRILLE** - Do not cover or restrict airflow
(2)   **CHANNEL A+B LEVEL** - Attenuate output levels
(3)   **INDICATOR LEDS** - Show signal present, clipping or protect mode
(4)   **POWER SWITCH** - Switches mains power on/off

REAR PANEL

(5)   **COOLING FAN** - Do not cover or restrict airflow
(6)   **VOLTAGE SELECTOR** - Check voltage switch is in correct position for the mains power supply being used
(7)   **FUSED IEC MAINS INLET** - to replace fuse, disconnect mains lead & open with flat screwdriver
(8)   **OUTPUT SECTION** – Connect speakers using speaker sockets, jack or binding posts
(9)   **INPUT SECTION** – Connect mixer or other audio source via combo XLR/jack or RCA L+R

CONNECTION EXAMPLE

OPERATION

- Check mains for correct voltage as indicated near to the IEC mains inlet on the rear panel. Connect to mains supply using the IEC cable provided.
- Connect the outputs A+B to speakers via speaker connectors, jack or binding posts, ensuring that the minimum impedance is no lower than 4Ω per channel
- When using 8Ω speakers, connect the speakers in pairs to each other and then connect one of each pair to an amplifier channel output.
- Connect the mixer or audio source to either the combo or RCA input sockets
- With channel A+B levels down, switch the power on.
- Gradually increase channel levels and check for sound from speakers.
- If there is no sound, turn down channel levels, switch off and disconnect mains and check connections – if front panel PROTECT LEDs are lit, refer to qualified service personnel.

MAINTENANCE

No user serviceable parts inside, refer all servicing issues to qualified service personnel.
Clean case with a lint-free dry or slightly damp cloth, keep ventilation grille and fans clear of debris.

TROUBLESHOOTING

NO OUTPUT -
  Check mains power is on and fuse is OK
  Check leads and connections
  Check PROTECT LEDs are not lit
  Check speakers are working on another amplifier
DISTORTED OUTPUT -
  Check the total speaker impedance is not below 4Ω per channel
  Turn down the input level from audio source
  Check audio source file being played is not distorted
  Turn down channel gain controls
  If protect mode is active, refer to qualified service personnel