

KAM

INSTRUCTION MANUAL

KBA Amplifier Series

Powerful audio amplifiers

M A N U A L V E R S I O N 1 . 0

Fan cooled with vented front panel
2 x Speakon audio outputs
2 x unbalanced 1/4 inch jack audio inputs
THD \leq 0.1%
2U metal chassis design
Front grip handles

For the latest instruction manual updates and information on the entire Kam range visit:

www.kam.co.uk

Kam products are manufactured by: **Lamba plc**, Unit 1, Southfields Road, Dunstable, Bedfordshire, United Kingdom LU6 3EJ
Telephone: (+44) (0)1582 690600 • Fax: (+44) (0)1582 690400 • Email: mail@lambapl.com • Web: www.lambapl.com

Kam KBA Amplifier Series

Powerful audio amplifiers

Thank you for purchasing this product, we are sure that it will serve you for many years to come.

To optimise the performance of this product, please read these operating instructions carefully to familiarise yourself with the basic operations of this unit.

This unit has been tested at the factory before being shipped to you.

To prevent or reduce the risk of electrical shock or fire, do not expose this unit to high temperature and rain or moisture.

Unpacking

Please unpack your new product carefully, your new product should reach you in perfect condition. Please check that no damage has occurred during transit. If any damage is found, do not operate your unit. Please contact the retailer you purchased it from immediately. Please keep the manual and packaging for later reference.

Contents

1 x Kam KBA amplifier
1 x instruction manual

Safety

If there is any damage to the mains cable do not use the device. Always disconnect the unit from the mains supply when carrying out any servicing or cleaning of the unit.

This unit uses hazardous mains voltage (230V). To prevent a shock hazard, do not open the unit whilst connected to the mains supply. All connections must only be carried out or changed with the unit switched off.

Do not operate the unit if:

1. There is visible damage to the unit or to the mains cable.
2. A defect might have occurred after a drop or similar accident.
3. There are any malfunctions.

The unit must in any case be repaired by skilled personnel. Never pull the mains cable to disconnect the mains plug from the mains socket.

Important for UK Customers

The wires in the mains lead are coloured in accordance with the following code:

Green/yellow = Earth

Blue = Neutral

Brown = Live

This appliance must be earthed.

Fuses

KBA8: AC110V = T4A/250V / AC230V = T2A/250V

KBA10: AC110V = T6.35A/250V / AC230V = T3.15A/250V

KBA12: AC110V = T10A/250V / AC230V = T5A/250V

KBA15: AC110V = T15A/250V / AC230V = T8A/250V

Connections

Connect the output of a pre-amplifier or mixer to the jack inputs. The input signal should be of line level. The maximum output power is obtained when connecting 4 ohm speakers. It is also possible to connect 8 ohm speakers; however, the output power will slightly decrease in this case. The speakers must have a power rating higher than the output of the amplifier. Connect the output of the amplifier to suitable speakers via either the left and right speakon connectors.

Switching On/Off

In order to avoid loud switching noise, always switch on all other units in an amplifier system before switching on the power amplifier, and switch it off first after operation. After switching on, the LED PROTECT lights up for approximately one second. During this time the switch-on delay is activated to protect the speakers.

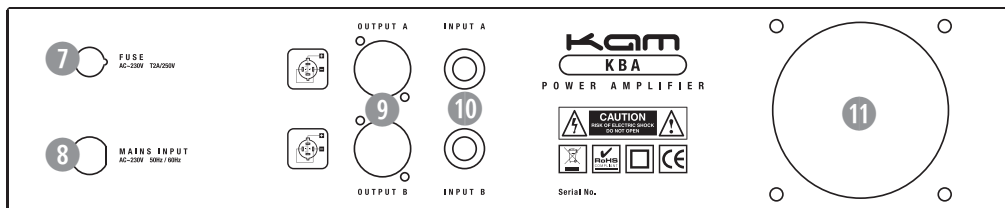
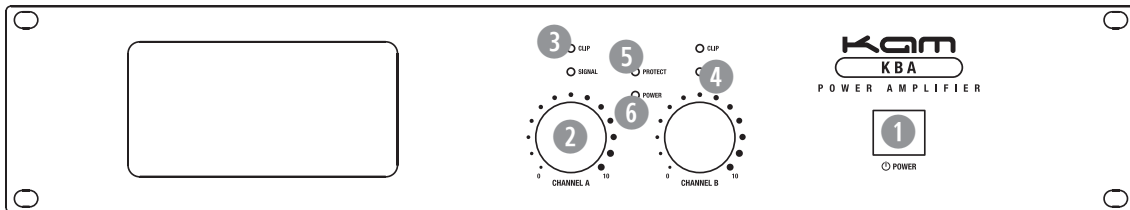
Level adjustment

Set the output of the mixer or pre-amplifier to its rated level (0dB) or to the highest undistorted output signal. Turn up the controls so far until the maximum desired volume is reached. If the red CLIP LED illuminates (showing an overload of the amplifier), slightly turn back the controls.

Protective circuit

The protective circuit is provided to prevent damage to the speakers and the amplifier. If it is activated, the yellow PROTECT LED will light up:

1. Approx. one second after switching on (soft start).
2. If the amplifier is overheated, or if a short circuit has occurred at a speaker output the CLIP LED of the corresponding channel lights up. If this is the case or if the yellow LED PROTECT lights up during the operation or if it is not extinguished after switching on, the amplifier must be switched off and the cause for the defect needs to be eliminated.



Controls and connections

1. Power switch
2. Channel volume controls
3. Channel Clip LED indicators
4. Channel Signal LED indicators
5. Channel A/B Protect LED indicator
6. Power Indicator LED
7. Fuse
8. AC mains input
9. Speakon output
10. Unbalanced Jack input
11. Fan

Technical specifications

Kam KBA8 power amplifier

Output power @ 4 Ohms: 2 x 120w

Output power @ 8 Ohms: 2 x 75w

Voltage: 115/230V 50/60Hz

S/N: ≥95dB

Frequency response: 10Hz-20KHz

Input sensitivity: 1.228V

THD(1KHz/50W): ≤0.1%

Protection: Overload / Neutral / Delayed On

Box dimensions: 540 x 310 x 160mm

Kam KBA10 power amplifier

Output power @ 4 Ohms: 2 x 180w

Output power @ 8 Ohms: 2 x 100w

Voltage: 115/230V 50/60Hz

S/N: ≥95dB

Frequency response: 10Hz-20KHz

Input sensitivity: 1.228V

THD(1KHz/50W): ≤0.1%

Protection: Overload / Neutral / Delayed On

Box dimensions: 540 x 310 x 160mm

Kam KBA12 power amplifier

Output power @ 4 Ohms: 2 x 305w

Output power @ 8 Ohms: 2 x 220w

Voltage: 115/230V 50/60Hz

S/N: ≥95dB

Frequency response: 10Hz-20KHz

Input sensitivity: 1.228V

THD(1KHz/50W): ≤0.1%

Protection: Overload / Neutral / Delayed On

Box dimensions: 540 x 490 x 160mm

Kam KBA15 power amplifier

Output power @ 4 Ohms: 2 x 380w

Output power @ 8 Ohms: 2 x 250w

Voltage: 115/230V 50/60Hz

S/N: ≥95dB

Frequency response: 10Hz-20KHz

Input sensitivity: 1.228V

THD(1KHz/50W): ≤0.1%

Protection: Overload / Neutral / Delayed On

Box dimensions: 540 x 490 x 160mm

Due to continuous product development, specifications and appearance are subject to change.

If this product is ever no longer functional please take it to a recycling plant for environmentally friendly disposal.