

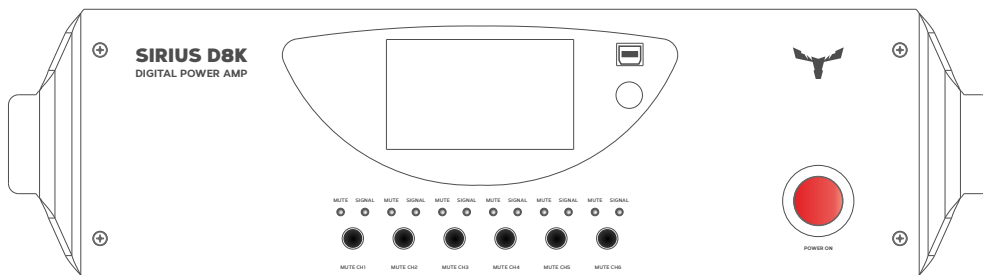
MOOSE

www.mooseaudio.com

PROUDLY DEVELOPED AND
MANUFACTURED IN PORTUGAL

SIRIUS D8K

Professional class D amp



USER'S MANUAL

Introduction

Dear customer,

Thank for choosing MOOSE branded products!

MOOSE is a brand of professional audio & lighting products, proudly developed and manufactured in PORTUGAL.

In order to operate this product in a safe and reliable manner, please follow the instructions in this booklet and before operating the equipment read the instructions carefully and please note the technical information.

Our products undergo very rigorous testing under strict conditions and they are monitored continuously during the manufacturing process. In order to guarantee the product function and safety, the original parts of the manufacturer's design must be used. If any parts other than those of the manufacturer are used, or the product is modified in any way, the user forfeits all warranty rights to claim.

Caution

1. Before connecting the equipment to the power outlet, first verify that the mains voltage and frequency match the values specified on the equipment.
2. If the power cord of the device is equipped with an earthing contact, then it must be connected to an outlet with a protective ground. Never deactivate the protective ground of a power cord.
3. Unplug the power cord and power adapter from the power outlet if there is a risk of a lightning strike or before extended periods of disuse.
4. Replace fuses only with fuses of the same type and rating. If a fuse blows repeatedly, please contact an authorised service company.
5. Do not open or modify this equipment.
6. After connecting the equipment, check all cables in order to prevent damage or accidents, e.g., due to tripping hazards.
7. Do not turn on the Amplifier ON before checking that all volumes to zero.
8. Please refer all servicing to qualified personel only if the device is damaged, exposed to liquid/rain or if it does not operate normally.
9. Please, do not expose to any kind of heat such as ovens, radiators, or any other devices (incl. amplifiers). Please check for enough distance between amplifiers and walls, racks, etc. to prevent overheating.

IMPORTANT: Never remove the cover, because otherwise there may be a risk of electric shock. There are no user serviceable parts inside. Have repairs carried out only by qualified service personnel.



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electrical shock.



The exclamation mark within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance instructions.



To prevent electrical shock do not remove the cover. No user serviceable parts inside. Refer service to qualified personnel only.

The amplifier is marked with this instruction so please proceed accordingly in order to avoid any hazard.

Manufacturers Declaration

PROPER DISPOSAL OF THIS PRODUCT

(Valid in the European Union and other European countries with waste separation)



This symbol on the product, or the documents accompanying the product, indicates that this appliance may not be treated as household waste. This is to avoid environmental damage or personal injury due to uncontrolled waste disposal. Please dispose of this product separately from other waste and have it recycled to promote sustainable economic activity.

Household users should contact either the retailer where they purchased this product, or their local government office, for details on where and how they can recycle this item in an environmentally friendly manner.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal .

ENVIRONMENTAL PROTECTION AND ENERGY CONSERVATION

Energy conservation is an active contribution to environmental protection. Please turn off all unneeded electrical devices. To prevent unneeded devices from consuming power in standby mode, disconnect the mains plug.

EC DECLARATION OF CONFORMITY

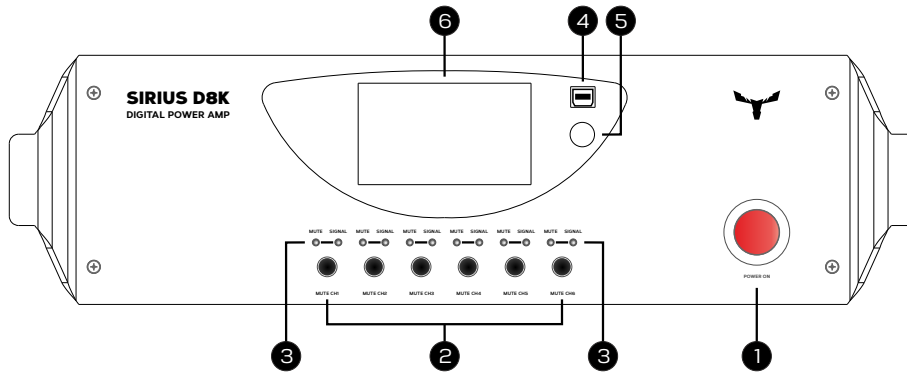
The equipment marketed by MOOSE complies (where applicable) with the essential requirements and other relevant specifications of Directives 1999/5/EC (R&TTE), 2004/108/EC (EMC) und 2006/95/EC (LVD). Additional information can be requested to info@profactor.pt.

 **PROUDLY DEVELOPED AND MANUFACTURED IN PORTUGAL**

Connections and Controls

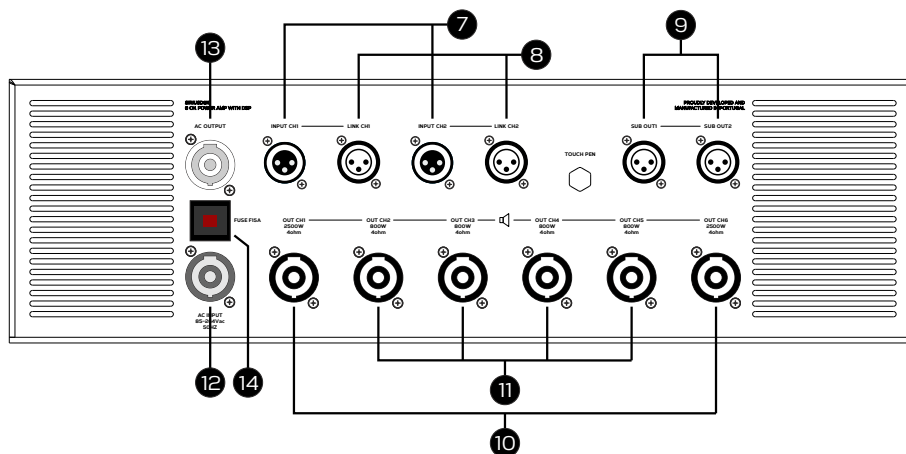
Please refer to the following scheme and instructions:

FRONT PANEL:



- 1. POWER SWITCH:** Illuminated on/off switch. Before switching on the system, always adjust the volumes to zero.
- 2. MUTE SWITCH:** Push/press button to enable or disable the audio signal on each channel 1 to 6.
- 3. MUTE/SIGNAL LED:** The MUTE LED for each channel will light up once its MUTE button is pressed. The SIGNAL LED will light dimly and increase in brilliance as signal level becomes higher/stronger.
- 4. USB:** USB 2.0 port (type B) to connect the cable to establish communication between DSP and computer.
- 5. DSP POT:** Rotative encoder linked to DSP that allows to go through the different menus to make any adjustments to the DSP parameters for the setup running and to validate it.
- 6. SCREEN:** Touch screen, 4 " TFT 800 * 600 wide screen display. To clean the Touch Screen, wipe it off with a non-abrasive cloth. For more aggressive cleaning, use a non-abrasive cloth with a mild, ammonia-free glass cleaning solution. **CAUTION:** to avoid any equipment damage, take care not to let any liquid run down into the screen. Any liquid coming in contact with the screen could cause the touch screen to malfunction.

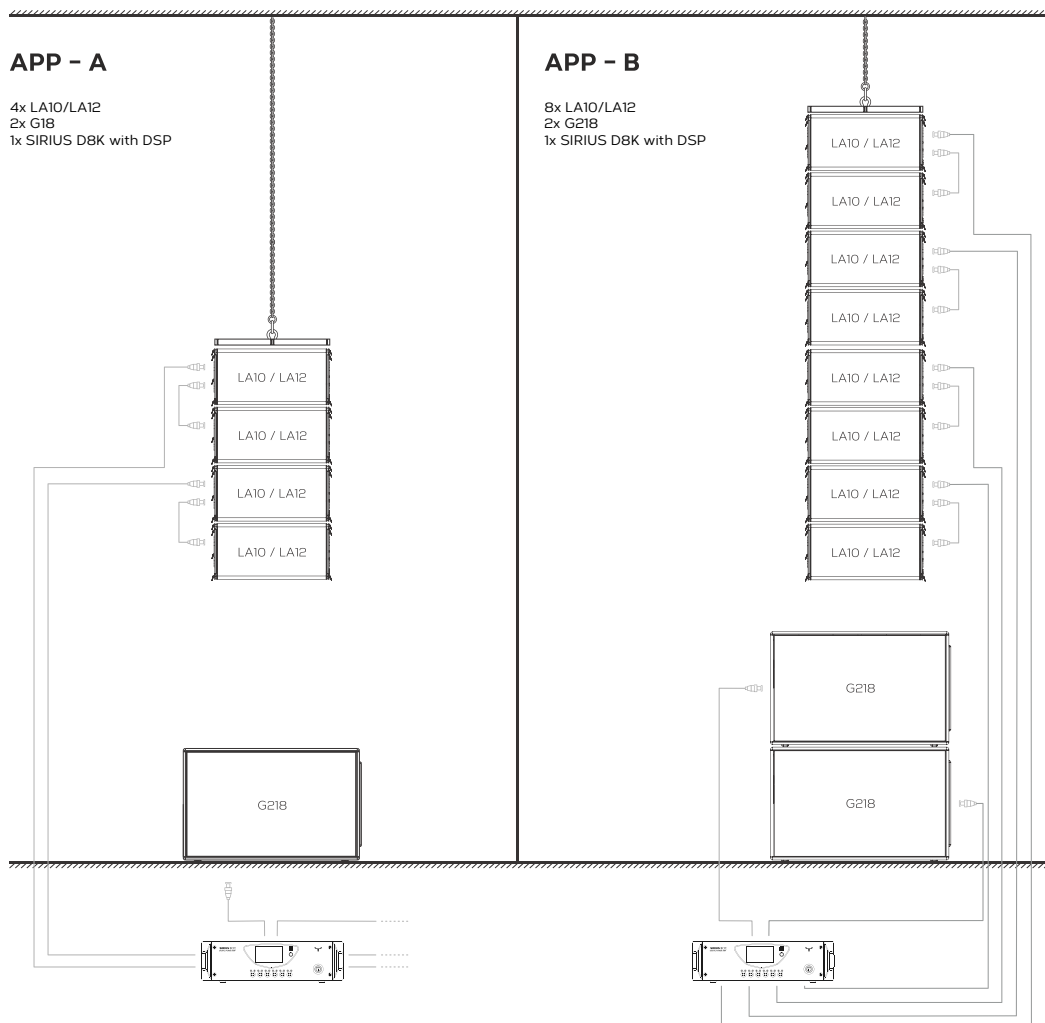
REAR PANEL:



Connections and Controls

- 7. INPUT:** Balanced signal inputs, CH and Ch2, XLR 3p, for connection of an external audio source (e.g., mixer).
- 8. LINK:** Balanced signal output, CH1 and CH2, XLR 3p, for connection of another amplifier.
- 9. SUB OUT:** Signal (processed) output in XLR3p to connect ACTIVE SUBS or more amplifiers for SUBS.
- 10. HIGH POWER OUTPUT:** High power 2500W Speaker output (NL4) for connection of subwoofers. Min. load: 40hm.
- 11. MID POWER OUTPUT:** Mid power 800W Speaker output (NL4) for connection of mid/hi cabinets. Min. load: 40hm.
- 12. MAINS IN:** NEUTRIK powerCON socket, 85~264Vac, 50~60Hz Power-in (blue).
- 13. MAINS OUT:** NEUTRIK powerCON socket, 85~264Vac, 50~60Hz Power-out (white).
- 14. FUSE:** Fuse holder. Replace the fuse only with a fuse of the same type and rating. If the fuse blows repeatedly, please contact an authorised service company.

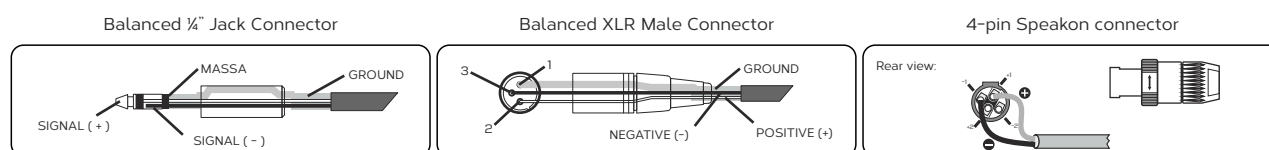
Connection examples



Technical specifications

MODEL	D8K
TYPE, CHANNELS	Class D power amp, 6 (six)
RMS POWER @ 8Ω, 1kHz, 0.1% T.H.D.	2x 1500W + 4x 400W
RMS POWER @ 4Ω, 1kHz, 0.1% T.H.D.	2x 2500W + 4x 800W
OUTPUT VOLTAGE	High power ch: 160Vp / 320Vpp unloaded Mid power ch: 80Vp / 160Vpp unloaded
AMPLIFIER GAIN	High power ch: 32dB / Mid power ch: 26dB
S/N RATIO	> 120dB (A-weighted, 20Hz-20kHz, 8ohm load)
T.H.D+N (Typical)	< 0.05% @ 1kHz (20Hz - 20kHz, 8ohm load, 3dB below rated power) (20Hz - 20kHz, 8ohm load, 3dB below rated power)
FREQUENCY RESPONSE	20Hz - 20kHz (+0/-0.25dB, 8ohm load, 3dB below rated power)
DAMPING FACTOR	> 1000 (8ohm load, 1kHz and below)
INPUTS	2x 3p female XLR (Ch1 & Ch2)
OUTPUTS/LINK	2x 3p male XLR (Link), 2x 3p male XLR for active subs
OUTPUTS/LINK	6x Speakon NL4® for speaker
INDICATORS	Signal and Mute per channel
DSP	Main Touch screen, 4 " TFT 800 * 600 wide screen display 96KHz sampling frequency, 24bit A/D&D/A converter 32 bit floating point DSP chip, Delay adjust range: 0-1000ms Polarity in phase(+) & Reversed phase(-), 8 bands EQ: PEQ/Lo-shelf/Hi-shelf PF mode: Linkwitz-Riley/Bessel/Butterworth, Slope: 12dB/oct, 18dB/oct, 24dB/oct, 48dB/oct
PROTECTIONS	Input limiter, short circuit, DC for output, under & over voltage power stage overload, temperature protection of transf. & heat sinks
POWER SUPPLY	UREC™ universal & regulated SMPS
INPUT VOLTAGE	85-268V ac Universal mains
AC MAINS CONNECTOR	Neutrik® powerCON, Power-in and Power-out
CONSTRUCTION	Rugged and solid steel construction, AL front panel
FINISHING	Electrostatic black powder coating
DIMENSIONS (WxDxH)	3RU, 495mm depth
WEIGHT	12Kg

XLR- type, JACK-type and SPEAKON-type connector pin-assignment:



PROFACTOR S.A., all rights reserved. The technical data and the functional product characteristics can be subject to modifications. The photocopying, the translation, and all other forms of copying of fragments or of the integrality of this user's manual is prohibited.

PROUDLY DEVELOPED AND
MANUFACTURED IN PORTUGAL

MOOSE is a brand of PROFACTOR S.A.

PROFACTOR S.A

Rua do Padrão 52
4440-617 Valongo
PORTUGAL
Telf.: +351 224 119 160
Fax: +351 224 155 822
info@profactor.pt

MOOSE



www.moose-sound.com