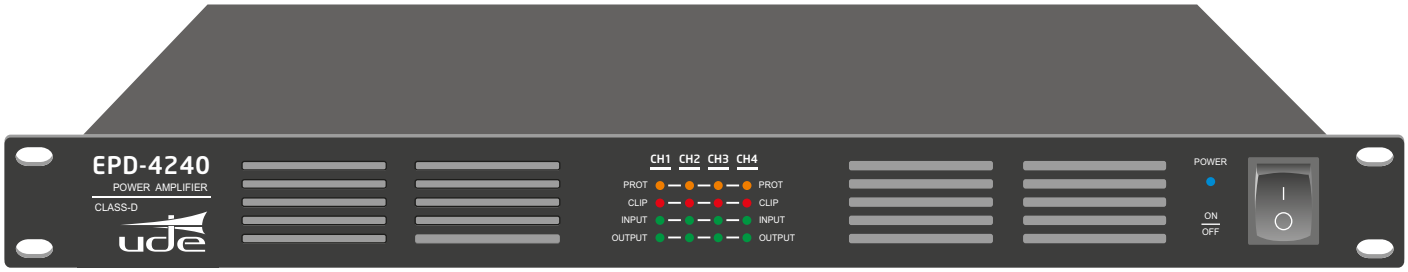
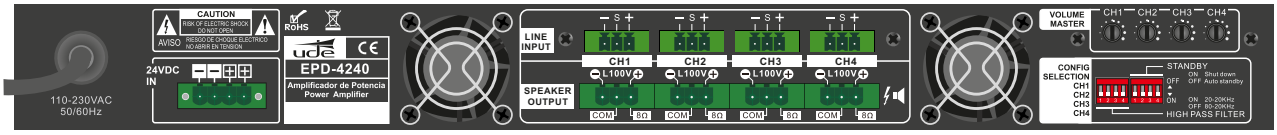
EPD-4240

4x240W. POWER AMPLIFIER - Class-D





DESCRIPTION

4 channel 240W RMS power amplifier focused on applications for public address systems and professional audio. The use of digital signal processors as well as Class-D power amplifiers represent a technological advancement and a substantial increase in its performance.

The equipment includes two power supply inputs: the main one for 110-230 VAC and an input for batteries (24 VDC). This enables the possibility of keeping the equipment operative during power cuts of the main AC input.

It includes an electronic protection system against overcharge, short circuits and excessive heating. Besides, it includes an energy savings system (STANDBY mode) that automatically activates 30 seconds after detecting a lack of an input signal.

Both its mechanic and electronic design are based on functionality, robustness and reliability criteria required for any sound application.

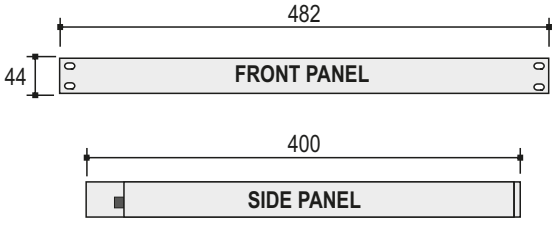
Thanks to its standard dimensions (19" standard, 1U), the equipment can be associated with UDE equipment and other elements such as audio sources, preamplifiers; among others. As a result we obtain a compact and uniform set with an important space-saving design.

Its forced horizontal ventilation system allows it to be assembled in a rack by using its integrated mounting brackets.

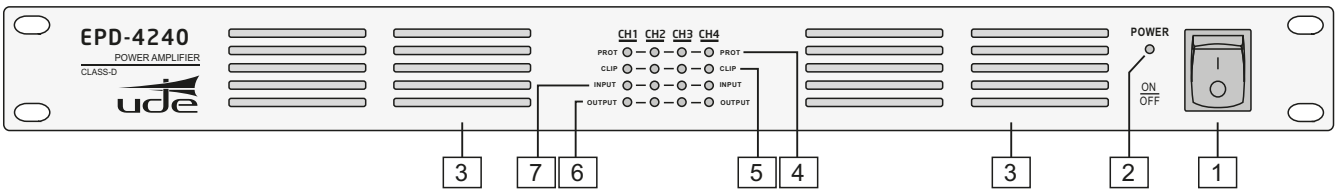
FEATURES

- Rated power output (L100V)	**4x240W RMS**
- Rated power output (8Ω):	**4x210W RMS**
- Outputs:	8Ω / L100V.
- Distortion (1kHz/-3dBu,100W):	Lower than 0,1%.
- Selectable frequency response:	20 Hz. to 20 KHz. 80 Hz. to 20 KHz.
- Input sensitivity:	0,775 V. (0 dBu).
- Input impedance:	10 kΩ.
- S/N ratio:	>80dB
- Master volume:	0 - 100%.
- Maximum power consumption:	1200 W.
- Main power supply:	110 - 230 VAC (50/60 Hz).
- Battery power supply:	24 VDC - max. 50 A.
- Weight:	8.8 Kgs.

DIMENSIONS IN MILLIMETRES **1U - Rack 19”**



FRONT PANEL



1 – ON/OFF Switch button.

2 – POWER light.

3 – Ventilation's front grid.

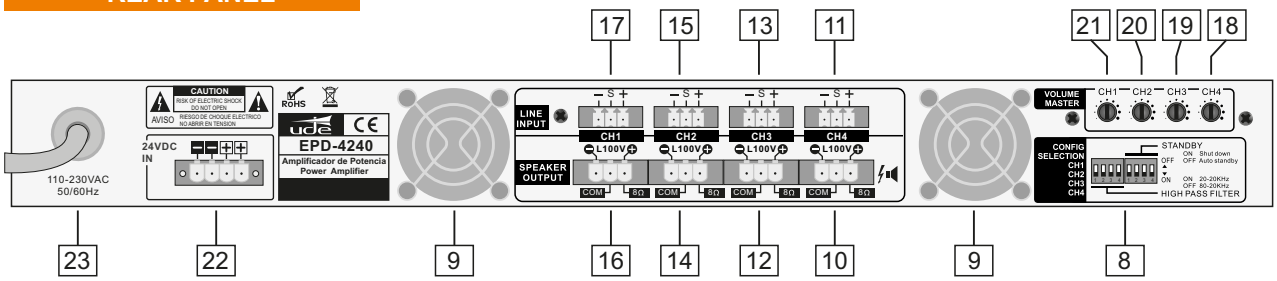
4 – PROT. Light (CH1-CH2-CH3-CH4):
It is activated either when detecting an overcharge, short circuit or open circuit on the output as well as an excess of the internal temperature.

5 – CLIP Light (CH1-CH2-CH3-CH4):
Indicates excessive modulation.

6 – OUTPUT Light (CH1-CH2-CH3-CH4):
Indicates when a valid signal is detected on the output.

7 – INPUT Light (CH1-CH2-CH3-CH4):
Indicates when a valid signal is detected on the input.

REAR PANEL



8 – Selector for STANDBY and HIGH PASS FILTER

9 – Ventilation's front grid.

10 – Speaker output CH4 (8 Ω / L100V.)

11 – Line Input CH4 (balanced / unbalanced)

12 – Speaker output CH3 (8 Ω / L100V.)

13 – Line Input CH3 (balanced / unbalanced)

14 – Speaker output CH2 (8 Ω / L100V.)

15 – Line Input CH2 (balanced / unbalanced)

16 – Speaker output CH1 (8 Ω / L100V.)

17 – Line Input CH1 (balanced / unbalanced)

18 – Master Volume - CH4

19 – Master Volume - CH3

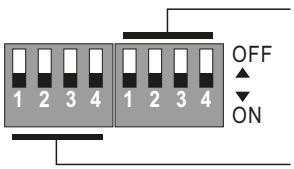
20 – Master Volume - CH2

21 – Master Volume - CH1

22 – Power Supply DC Input (24 VDC)

23 – Main Power Supply Cable (110-230 VAC)

STANDBY AND HIGH PASS FILTER CONFIGURATION CH1 - CH2 - CH3 - CH4



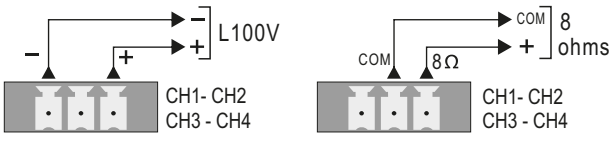
STANDBY:
ON Shut down
OFF Auto standby

HIGH PASS FILTER:
ON 20-20KHz
OFF 80-20KHz

STANDBY:
ON Mode: The amplifier never enters Standby mode. It is always operative.
OFF Mode: The amplifier enters Standby mode when it is switched on and exits once an input signal is detected. If during 30 seconds no signal is detected on the input, the amplifier enters Standby mode.

HIGH PASS FILTER:
ON Mode: Filter disabled.
OFF Mode: Filter enabled.

LINE SPEAKERS CONNECTION CH1 - CH2 - CH3 - CH4



INPUTS CONNECTION CH1 - CH2 - CH3 - CH4