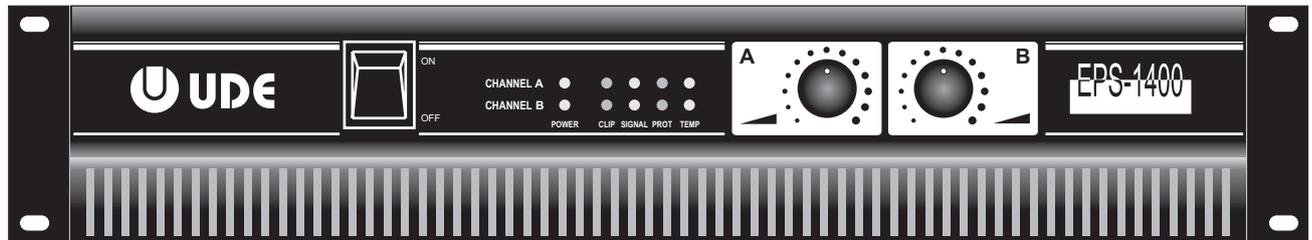


EPS-1400

TWO CHANNELS POWER AMPLIFIER



DESCRIPTION

The amplifier **EPS-1400** consists of two totally independent amplifiers with a power of **2x700 Wrms**, both of them contained in a unique 19" 2U rack cabinet, forming a compact set.

It is specially suitable for professional sound system applications with low impedance and high power loudspeakers.

Its mechanical and electronic design is based in the functionality, robustness and reliability criteria required in every professional sound system application.

Overload, short circuit and overheat protection.

It also incorporates a device which allows to make the bridge connection of both channels, becoming a unique amplifier of **1400 Wrms**.

Its cabinet is protected by an anticorrosive special treatment.

Thanks to its standard dimensions (standard 19", 2U) as well as to its fan cooling horizontal system, it can be assembled in rack using its incorporated brackets, taking up a small space.

Electroacústica

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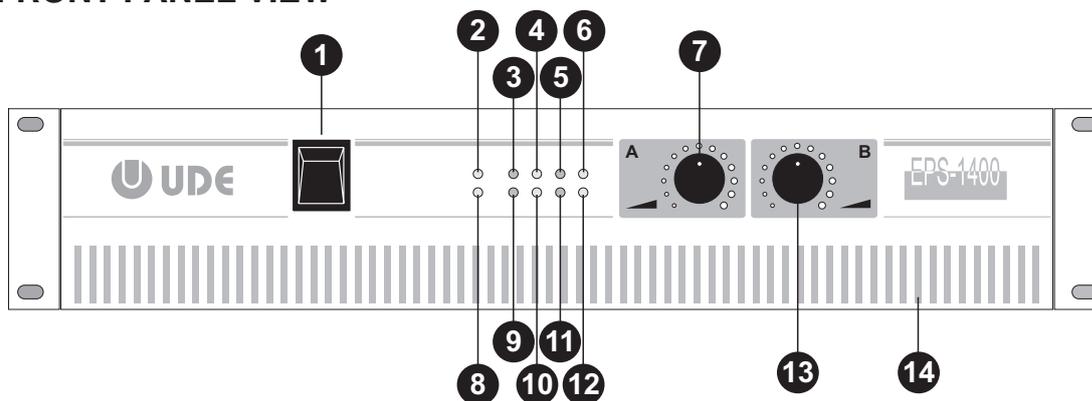
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TECHNICAL CHARACTERISTICS

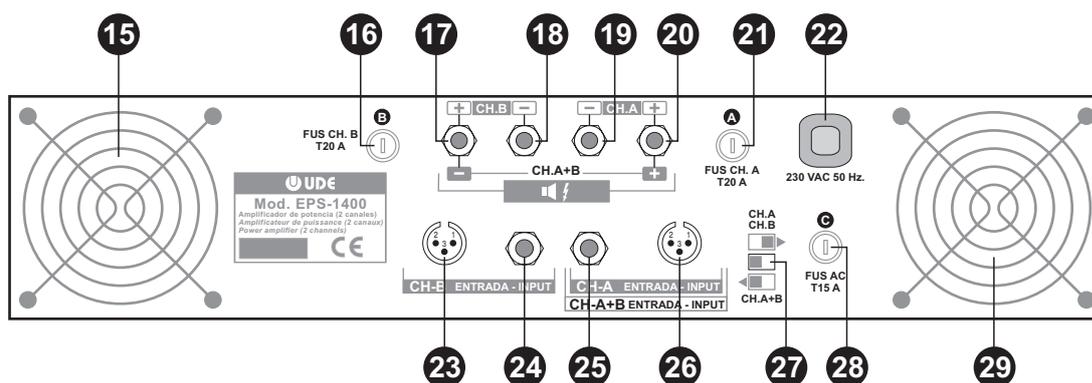
- Output power:	700 Wrms (4 Ω) x 2 channels.	- Sensitivity:	1.150 mV.
	400 Wrms (8 Ω) x 2 channels.	- Power supply:	230 VAC.
	1400 Wrms (8 Ω) x 1 channel (bridge mode).	- Max. consumption:	2400 VA.
- Distortion:	< 1%.	- Dimensions:	483 x 470 x 88 mm.
- Frequency range:	20 Hz à 20 kHz.	- Weight:	25 Kgs.
- Signal / noise relation:	> 80 dB.	- Material:	Metal.
- Input impedance:	50 KΩ (asymmetric).	- Colour:	Black.

FRONT PANEL VIEW



- 1 ON / OFF switch.
- 2 Power indicator Channel A.
- 3 Clipping indicator Channel A.
- 4 Modulation indicator Channel A.
- 5 Protection indicator Channel A.
- 6 Excessive temperature indicator Channel A.
- 7 Volume control Channel A.
- 8 Power indicator Channel B.
- 9 Clipping indicator Channel B.
- 10 Modulation indicator Channel B.
- 11 Protection indicator Channel B.
- 12 Excessive temperature indicator Channel B.
- 13 Volume control Channel B.
- 14 Air flow grids.

REAR PANEL VIEW



- 15 Air flow output Channel B.
- 16 Fusible Channel B.
- 17 Loudspeaker's output terminal + Channel B.
- 18 Loudspeaker's output terminal - Channel B.
- 19 Loudspeaker's output terminal - Channel A.
- 20 Loudspeaker's output terminal + Channel A.
- 21 Fusible Canal A.
- 22 Power supply cable AC 230V.
- 23 Signal input (XLR) Channel B.
- 24 Signal input (Jack 6 mm) Channel B.
- 25 Signal input (Jack 6 mm) Channel A.
- 26 Signal input (XLR) Channel A.
- 27 Two channels / bridge mode setting.
- 28 Fusible AC (T-15A).
- 29 Air flow output Channel A.

INSTALATION

- Safety rules according to the legal requirements and standards in each country should be taken into account during the installation.
- The equipment must be installed in an adequate place for its use.
- Prevent the equipment from rain, water splashing, etc.
- Adequate cautions must be taken to allow a proper ventilation of the equipment.
- Connection of signals, speaker lines, etc. must be performed before connecting the power supply.
- Volume control must be set at the minimum position.

START - UP

After switching the device on, use of the volume control to for to increase the volume to the listening desired level.

The modulation led (signal) should light on as the modulation changes.

If the volume level is high, the clipping indicator led may light on in a flashing way. This means that the modulation gets to its maximum allowed level. A superior level may cause distortion.

In case of short circuit in the speaker line or if the charge impedance value is too low, the protection system against the device overload will act in the following way:

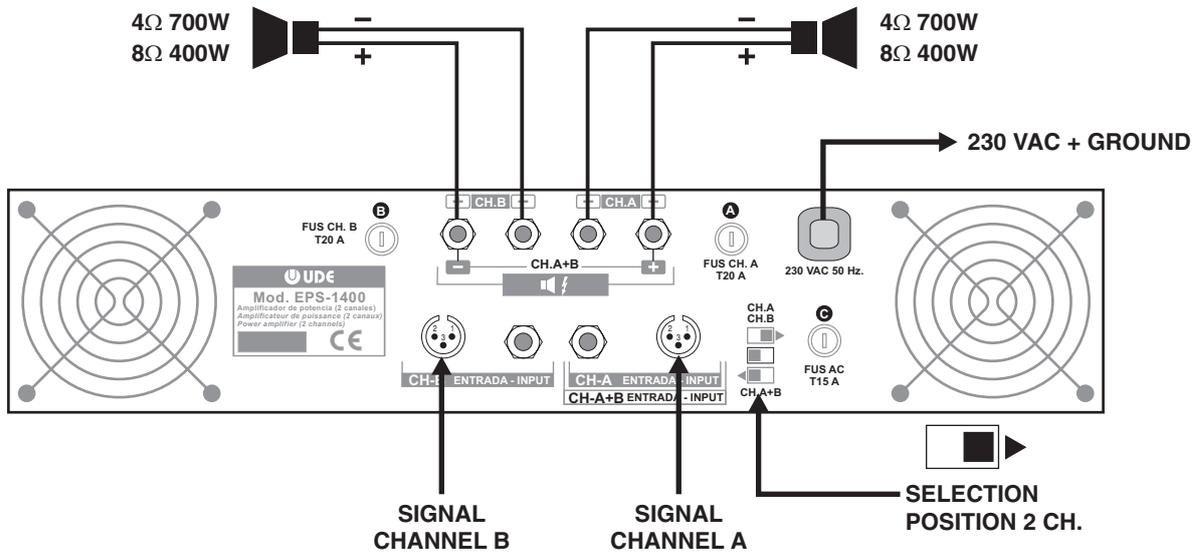
When the audio playing begins:

1. Sound cuts off.
2. The protection led lights on.
3. The alert buzzer will activate in the amplifier itself.

In this case it is required to disconnect the power supply (OFF) and to check the speaker line so the cause of malfunctioning can be found. Once the problem is solved, connect the power supply (ON) again.

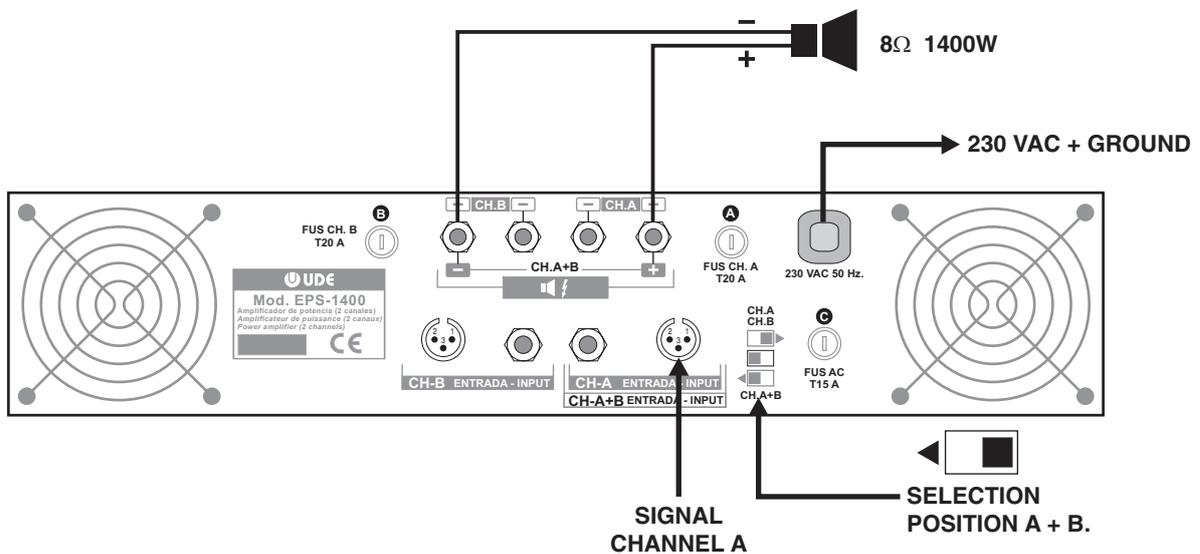
In case the overheat led turns on, the device ventilation system must be checked so it is not obstructed or check further in order to find any other reason for the overheating.

**A.- CONNECTION OF THE AMPLIFIER
TWO INDEPENDENTS CHANNELS**



The volume control of each channel must be settled at the minimum position.

**B.- CONNECTION OF THE AMPLIFIER
IN BRIDGE MODE**



In this case, it only will be used the volume control of Channel A, leaving the volume of Channel B at the minimum position.

CONNECTION XLR CONNECTOR (INPUT / OUTPUT)

