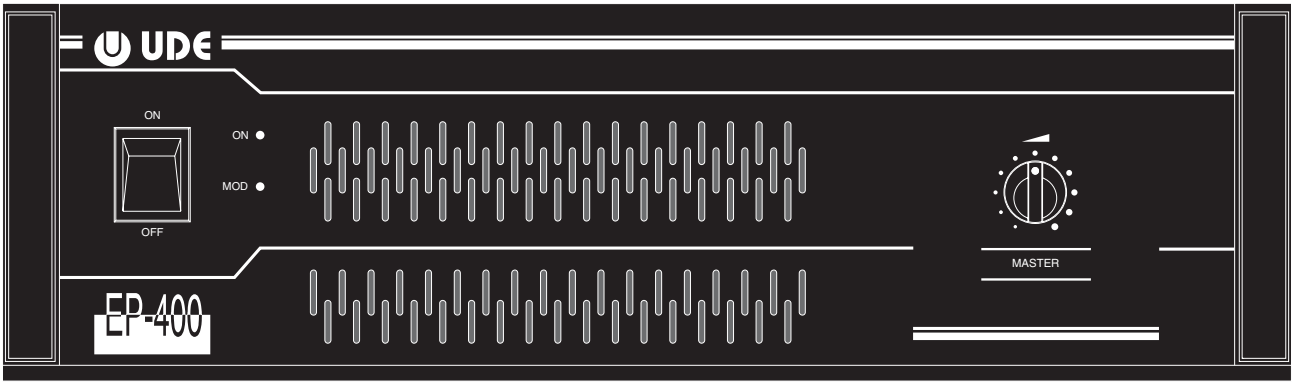
EP-400TMV

BOOSTER AMPLIFIER



DESCRIPTION

400 W RMS power amplifier for professional audio applications.
Its mechanical and electronic design are based on the criteria of functionality, toughness and reliability required in any professional sound application. Its standard sizes (standard 19", 3U) allow it to be linked to other elements in the **UDE** range or others, such as music sources, etc…. making up a homogeneous compact unit with reasonable space-saving. Its surround housing is protected by a special anticorrosion treatment.

The most innovative features of this unit are:

- Controlled power-up

The system limits the power crest absorbed by the power supply mains which takes place when the amplifier is powered up. In this way it prevents damage and other trouble, such as the activation of magnetothermal protection breakers or the blowing of fuses in the electrical panel, which are typical in other high-power units.

- Forced horizontal ventilation system

This makes it possible to mount the **EP-400TMV** amplifier on a rack using accessory **WX-3**, with maximum space optimisation.

- Acoustic correction device (ACD) build-in, protected against accidental manipulations.

- Automatic test device

As an option, it is possible to incorporate in the booster amplifier an automatic self checking unit (thanks to module **WX-106**), and interconnect the booster amplifier with the monitoring unit **SA-106** allowing monitoring management and as well, if necessary, **automatic** switching of the faulty amplifier on the hot standby one. When monitoring board **WX-106** detects a failure, the "ON" signalising led located on the front panel is blinking.

TECHNICAL FEATURES

- Output:	400 W. RMS at 1 KHz.
- Load impedance:	100V L. (25 Ω).
- Distortion:	Below 1%.
- Frequency range:	from 50 Hz. to 17 Khz.
- Power supply:	230 VAC (50/60 Hz.).
- Maximum consumption:	800 VA.
- Dimensions:	430x376x140 mm. (3 U).
- Weight:	24,5 Kgs.
- Colour:	Black.
- Presentation:	Epoxy metal.

Signal input
level = 0.8 V.
impedance = 30 KΩ.

Signal output
level = 0.8 V.

Acoustic correction:	
100 Hz:	± 6 dB
300 Hz:	± 6 dB
1 kHz:	± 6 dB
3 kHz:	± 6 dB
10 kHz:	± 6 dB

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GENERAL CHARACTERISTICS

AMPLIFIER SECTION:

- Electronic protection against output short-circuits.

- Overheating detector. A safety device is triggered off in the event of overheating caused by ventilator clogging. This status is indicated by "ON / OFF" blinking signalising lamp. When temperature conditions revert to normal, the device switches off automatically.

- Volume control.

- Acoustic correction device (ACD).

This unit allows an equalisation for each booster amplifier according to the acoustic requirements for each zone, in order to improve the sound reproduction. Protection against accidental manipulations.

INDICATORS:

- On/off pilot light / Failure indication (blinking).
- Modulation pilot light.

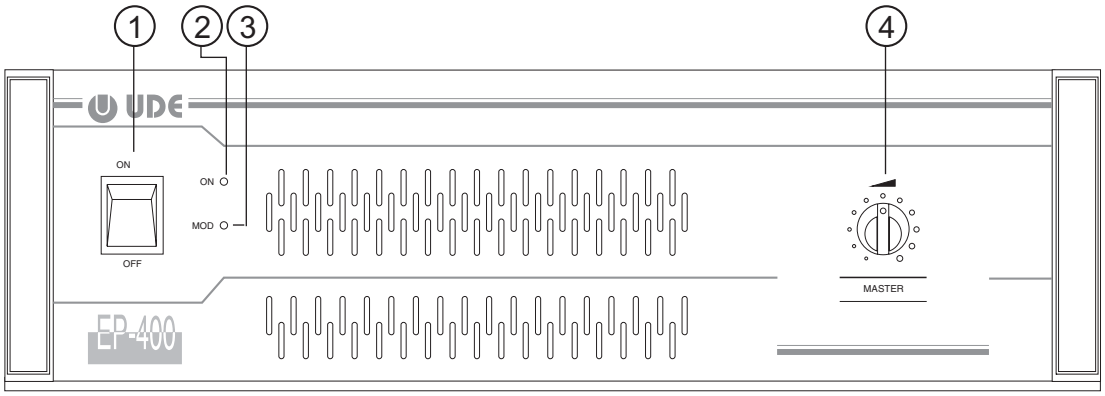
POWER SUPPLY:

230 VAC 50/60 Hz

OPTIONAL FUNCTION

Automatic monitoring (module **WX-106**).

FRONT PANEL CONTROLS



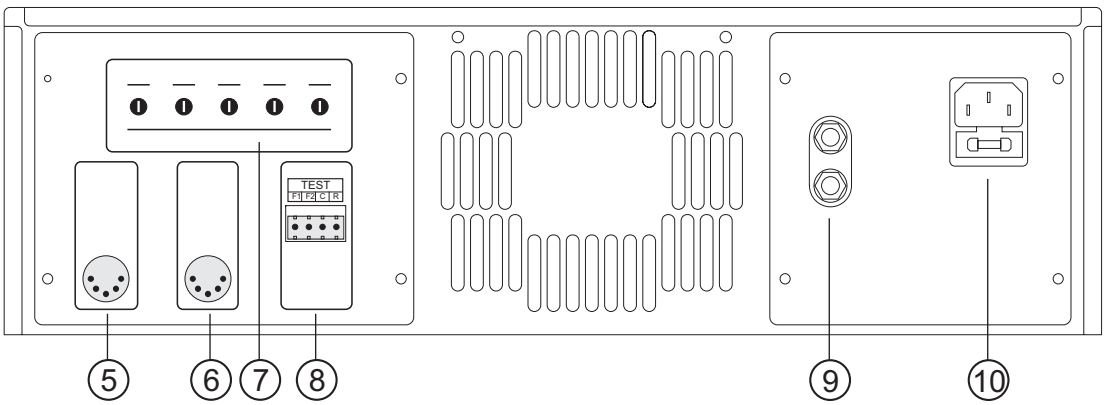
1 – Mains switch ON / OFF

2 – ON / OFF signalising lamp / Failure indication (blinking)

3 – Modulation signalising lamp

4 – Volume

REAR PANEL CONNECTIONS



5 – Input signal (0 dBm).

6 – Output signal (0 dBm).

7 – Acoustic correction device (ACD)

8 – Connection for SA-106

9 – Loudspeaker lines connection

10 – Mains socket and AC fuse