

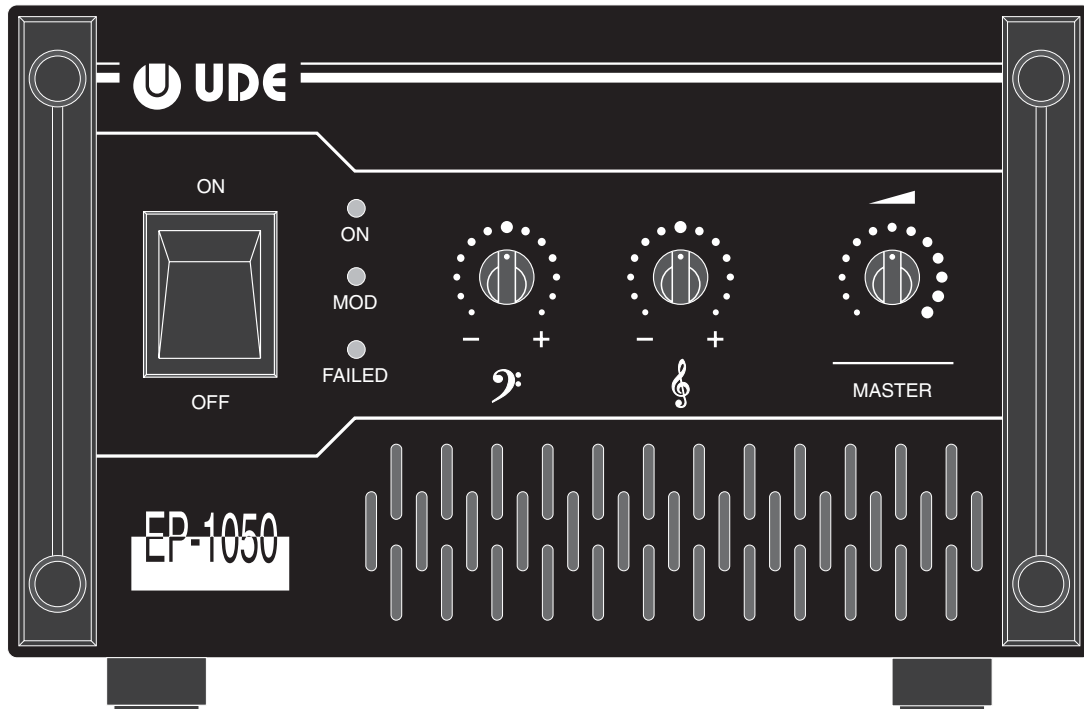
EP-1050

EP-1050S



BOOSTER AMPLIFIER

**Manufactured to comply with NFS61936
and EN 60849 European Standart**



DESCRIPTION

Booster amplifier **50W. RMS** with dual power supply 230V - AC. / 24V – DC, with dimensions 1/2 rack 19" (3U) for public address applications in security sectors as well as for general use. Automatic monitoring system (optional).

TECHNICAL CHARACTERISTICS

- Power RMS: **50 W.**

- Power output:	4 Ω . 8 Ω . 16 Ω . 70 V. L (100 Ω). 100 V. L (200 Ω).	- Distortion:	< 1 %.
- Balanced signal output:	0.8 V / 10 k Ω .	- Signal / Noise ratio (A):	> 80 dB.
- Frequency range:	50 Hz. to 20 KHz.	- Mains power supply:	230 V (50/60 Hz.).
- Bass control:	\pm 10 dB to 100 Hz.	- Consumption:	100 VA.
- Treble control:	\pm 10 dB to 10 KHz.	- Battery power supply:	24 V DC. / 4A.
		- Dimensions:	215 x 376 x 140 mm. (1/2-19"(3U)).
		- Weight:	10 Kg.
		- Colour:	Black.

Electroacústica

 **UNION
DESARROLLOS
ELECTRONICOS S.a.**

www.udeaudio.com

Main Office Avda. BARCELONA, 24
08970 - SANT JOAN DESPÍ
BARCELONA - ESPAÑA
Tel: 34-93 477 28 54
Fax: 34-93 261 17 52
ude@udeaudio.com

Madrid Delegation C/ LUIS I, 88, 3ª planta
28031 - MADRID
ESPAÑA
Tel: 34-91 311 60 76
Fax: 34-91 450 19 97
centro@udeaudio.com

ISO 9001
BUREAU VERITAS
Certification



UDE reserves the right to modify the technical characteristics of its products without previous notice

610.283A | 1 / 4

Description

These products possess following specificity: **reliability, robustness and easy operation**. These amplifiers are very efficient with simple process of operation and installation.

REALIABILITY

Between the different aspects which may determinate the reliability of these amplifiers:

- The well finished mechanic design
- The rigour and innovation for electronic boards

This permits to guarantee the high level of specifications required for such products.

As an option, it is possible to incorporate inside these amplifiers, an automatic monitoring module (thanks to board **WX-106**), as well it may be interconnected with fault monitoring cabinet **SA-106** which allows, automatic switching of a faulty amplifier on the hot-standby one.

As well, it is possible to monitor several amplifiers **EP-1050** for security application, thanks to a P.C. and an informative network.

The monitoring is done thanks to specific software from UDE, using graphic interface with convivial operation.

EP-1050 amplifiers power supply is 230V – AC and 24V – DC.

Thanks to all these particularities, these products are specially adapted for applications in **SECURITY** sectors as well as for general use.

ROBUSTNESS

Mechanical: These products are protected thanks to a frame made with solded metal (2mm thickness), allowing big rigidity. The cabinets get a special treatment anti corrosion.

Electrical: All the components such as, transformers, transistors, radiators, etc... have been defined with a high-level security coefficient.

Loudspeakers output is protected against short-circuits.

Forced ventilation, with electronic control, allows avoiding any over heating for the amplifiers. As well, in case of any obstruction of ventilation grilles, if over heating is detected on the output transistors, the amplifiers equipped with security sensor, will cut automatically the audio signal. At the same time, one fault information is available on the front of the amplifier up to temperature comes back to normal level for operation.

SIMPLICITY

- | | |
|---------------------------------|------------------------------------|
| -Ergonomic and aesthetic design | -Clear signalling |
| -Pluggable connectors | -Modular electronic boards |
| -Easy internal access | -Auto monitoring function (option) |

Optional accessories

- 19" rack monitoring kit (accessories : **WX-3, WX-100, WX-101**)
- Auto monitoring board (**WX-106**)

BOOSTER AMPLIFIERS EP-1100 / EP-1200 / EP-1050 / EP-1100S / EP-1200S / EP-1050S

Booster amplifiers from **UDE** range **EP-1200, EP-1100, EP-1050, EP-1200S, EP-1100S, EP-1050S** have homologation to operate with sound system including security and evacuation facilities in compliance with **NFS61936** and **EN60849 Norms**.

For an operation in compliance with NFS61936 Norm:

It is necessary to use amplifiers supervision cabinet **UDE** model **SA-106**. As well, amplifier has to be fitted with surveillance board **WX-106**.

If the amplifier is used as standby one, it is necessary to insert one surveillance board **WX-106**.

For operation in compliance with EN6849 Norm:

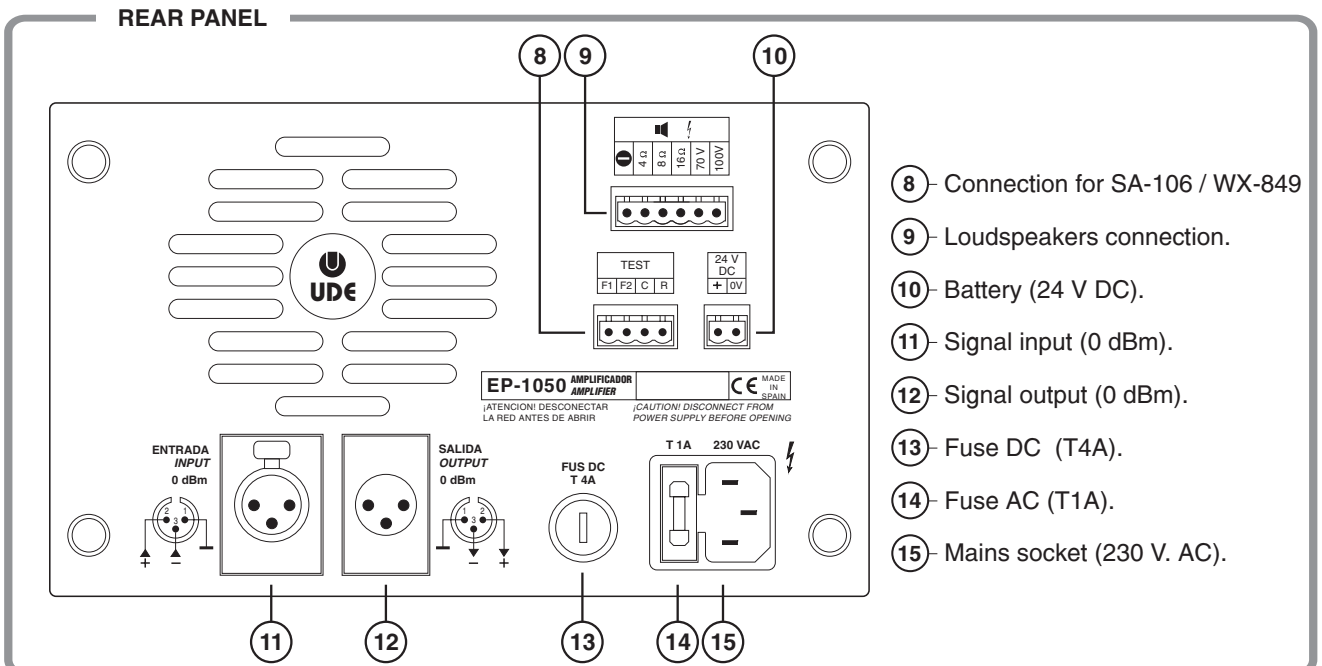
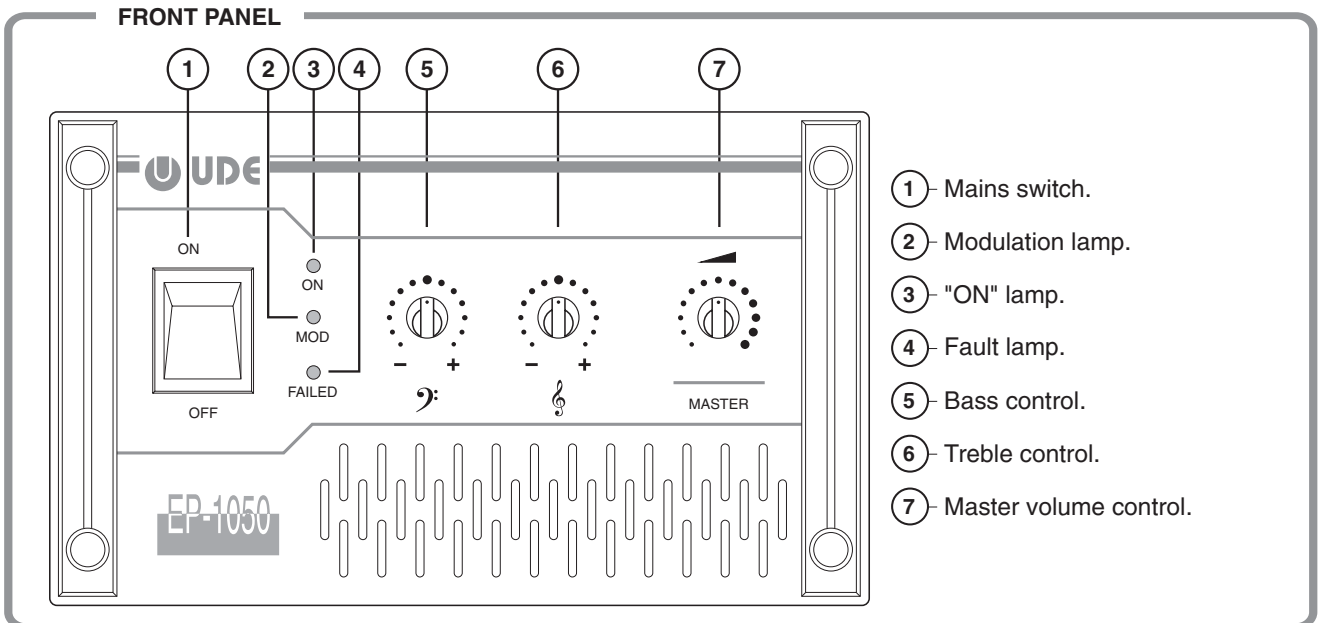
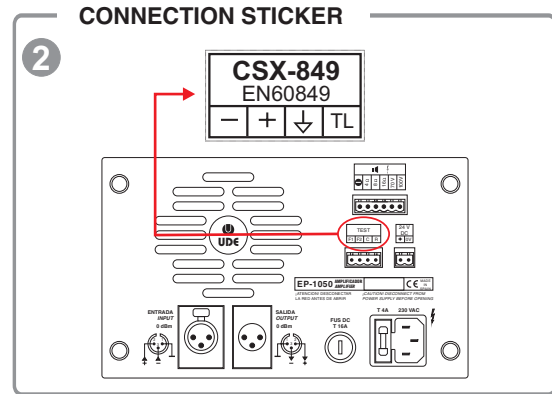
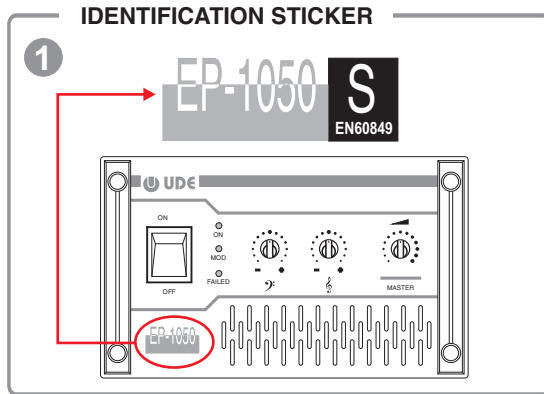
The amplifiers will be connected with amplifiers and loudspeakers lines supervision module **UDE** model **CSX-849**.

As well, each amplifier has to be fitted with one surveillance board **WX-849** (optional accessory).

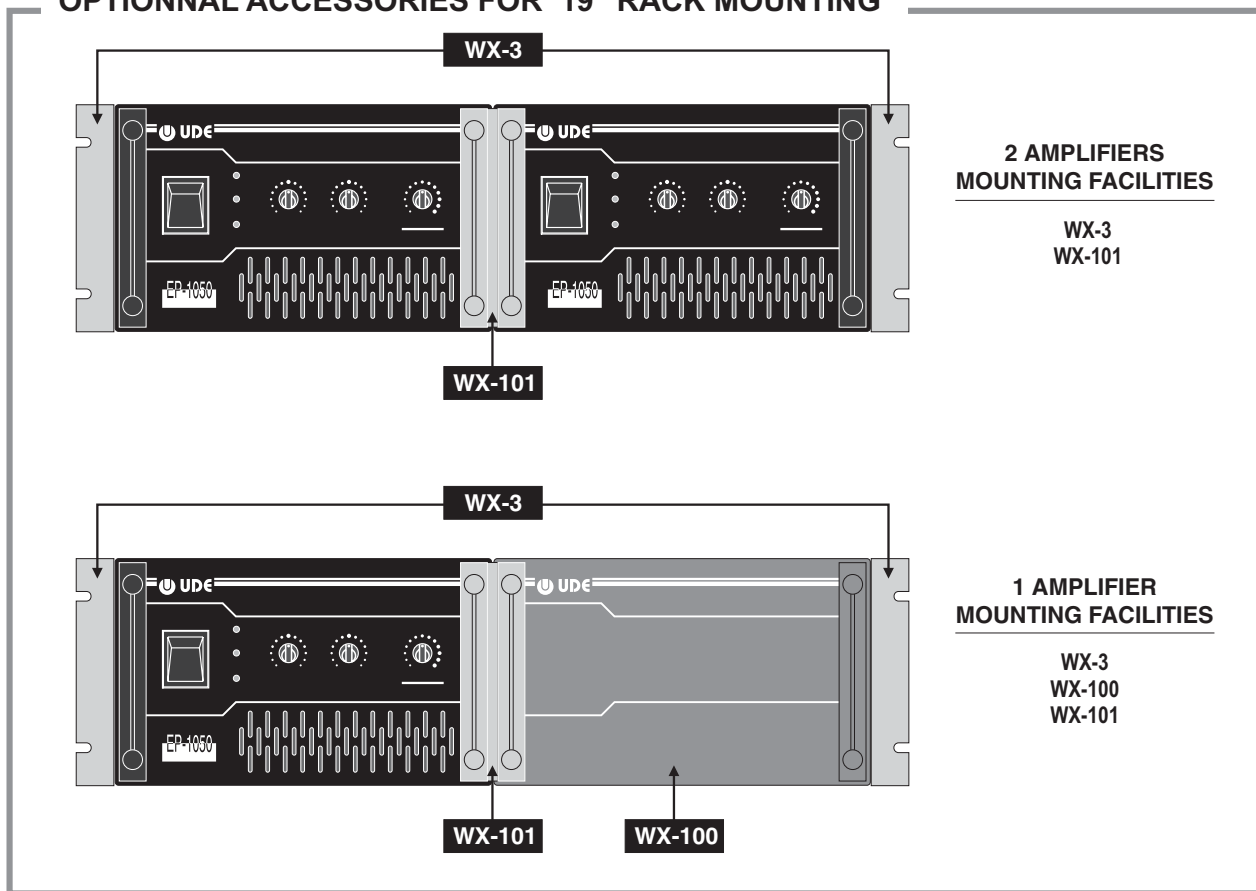
As necessary, 2 stickers are delivered:

- 1 Identification sticker “**S(EN60849)**”: It has to be stucked on front panel of the amplifier.
- 2 Connection sticker “**CSX-849 (EN60849)**”: It has to be stucked at the back side of the amplifier in order to inform how to connect audio signal and remote control with the module **CSX-849**.

An amplifier **EP-1xxx** fitted with the 2 stickers is modified in **EP-1xxx**.



OPTIONNAL ACCESSORIES FOR 19" RACK MOUNTING



Block diagram

