



## PA-S 230 Compact 2-Channel Amplifier



### Description

The PA-S 230 is a compact 2-Channel power amplifier with automatic switch-on (Auto-ON/OFF) for use as zone amplifiers in multiroom systems and in multichannel systems.

With minimal dimensions, the PA-S 230 delivers an output power of  $2 \times 30$  watts at 4 - 8 ohms.

The amplifier has an automatic switch-on (Auto-ON/OFF) and switches to an energy-saving sleep mode if there is no signal for a long time.

The amplifier can be completely switched on and off via the switching contact on the rear (EXT. ON/OFF). This allows the PA-S 230 to be used even in inaccessible places, for example in suspended ceilings in combination with built-in speakers, as operation of the device is not necessary.

In the PA-T 1 U rack cradle, up to four PA-S 230 can be installed in a 1U 19" rack.

### Key Features

- Compact 2-Channel amplifier
- Output power  $2 \times 30$  watts at 4-8 ohms
- $2 \times$  Line In Cinch
- Auto-ON/OFF
- Ext. ON/OFF contact
- Switchable Ground Lift
- Fanless
- Chassis  $\frac{1}{4}$  19", 1 U

### Fields of Application

- Home audio
- Media rooms
- Conference rooms
- Shops, sales rooms
- Gastronomy

## PA-S 230 Compact 2-Channel Amplifier

### Technical Data

Inputs	2 × Line In Cinch
Nom. input level	0 dBu
Input impedance	20 kohms
Load impedance	≥ 4 ohms
Outputs	2 × Speaker Out up to 2 × 2,5 mm <sup>2</sup> , (screwtype terminals, pluggable)
Output power	
2 ohms	-
4 ohms	2 × 30 watts
8 ohms	2 × 30 watts
Frequency range	15 Hz – 22 kHz
THD	< 0,05 % (1 kHz, 3dB below full power)
Dynamic range	> 95 dB
Display	LED for ON/STANDBY
Controls	Power switch at front. At back VOLUME control, DIP switches for AUTO ON/STEADY ON, GROUND/LIFT
Additional connectors	ON/OFF contact N/C
Cooling	fanless
Protective circuits	Peak limiter, power limiter, short circuit and overtemperature protection
Power supply	90 up to 260 VAC
Main connector	IEC connector
Power consumption	
Standby	< 0,5 watts
All channels SLEEP	2,4 watts
All channels active	4,1 watts
1/8 Nominal power	12 watts
Max. average consumption	25 watts
Peak power	70 watts
Dimensions (W × H × D)	¼ 19", 1 U, 110 × 42 × 233 mm
Weight	1.1 kg
Warranty	5 years

### Models

Models	Order-No.	Version
PA-S 230	3005-0016	2-Channel amplifier with 2 × Line In Cinch

### Accessories

#### MP-PA-S



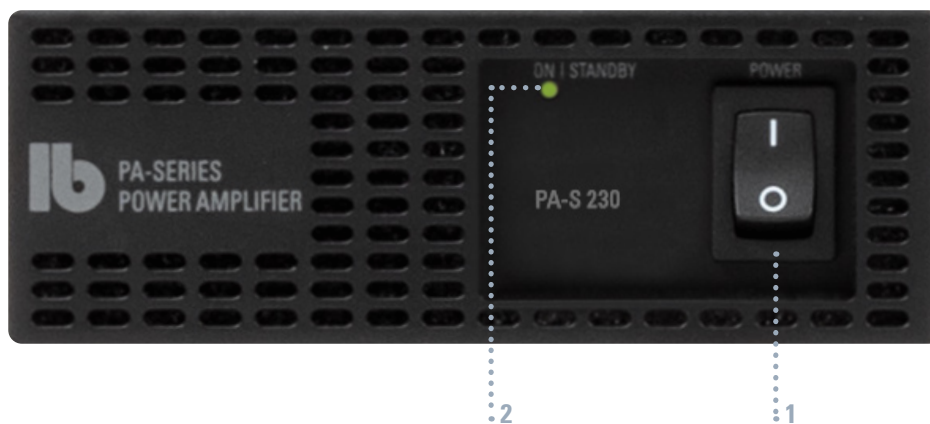
Order-No.	Version
3005-0030	Mounting plate for PA-S Series

#### PA-T 1 U



Order-No.	Version
3109-0005	Rack cradle 19", 1 U for up to 4 x PA-S 230 or PA-T 2050

## PA-S 230 Compact 2-Channel Amplifier

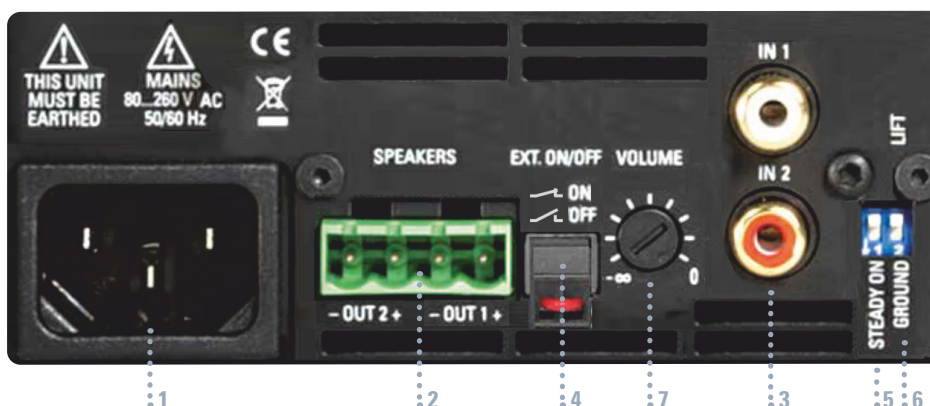


### 1 Power switch

The amplifier switches on with a delay of approx. 3 seconds.

### 2 LED STANDBY / ON

The LED lights up red in STANDBY and green when the amplifier is switched on.



### 1 IEC Connector (Power cord is included)

### 2 Speaker outputs

Fix the speaker cables to the screw-type terminals. The speaker impedance should not fall below 4 ohms

### 3 Cinch Inputs

### 4 EXT. ON/OFF – N/C (short circuit plug).

The EXT. ON/OFF-contact must be closed to activate the amplifier. It may either be closed by a shorting bridge (delivery condition) or by an external potential-free switch or contact. With this contact one or multiple amplifiers in parallel can be switched on and off via media control or voice alarm systems.

### 5 AUTO ON/STEADY ON – DIP switch

In the upper position the channel pair operates in AUTO-ON/ OFF mode and switch into an idle state (SLEEP) automatically if the input signal is absent for over 10 min. This reduces power consumption significantly. In the lower position the channel pair is active permanently (STEADY ON).

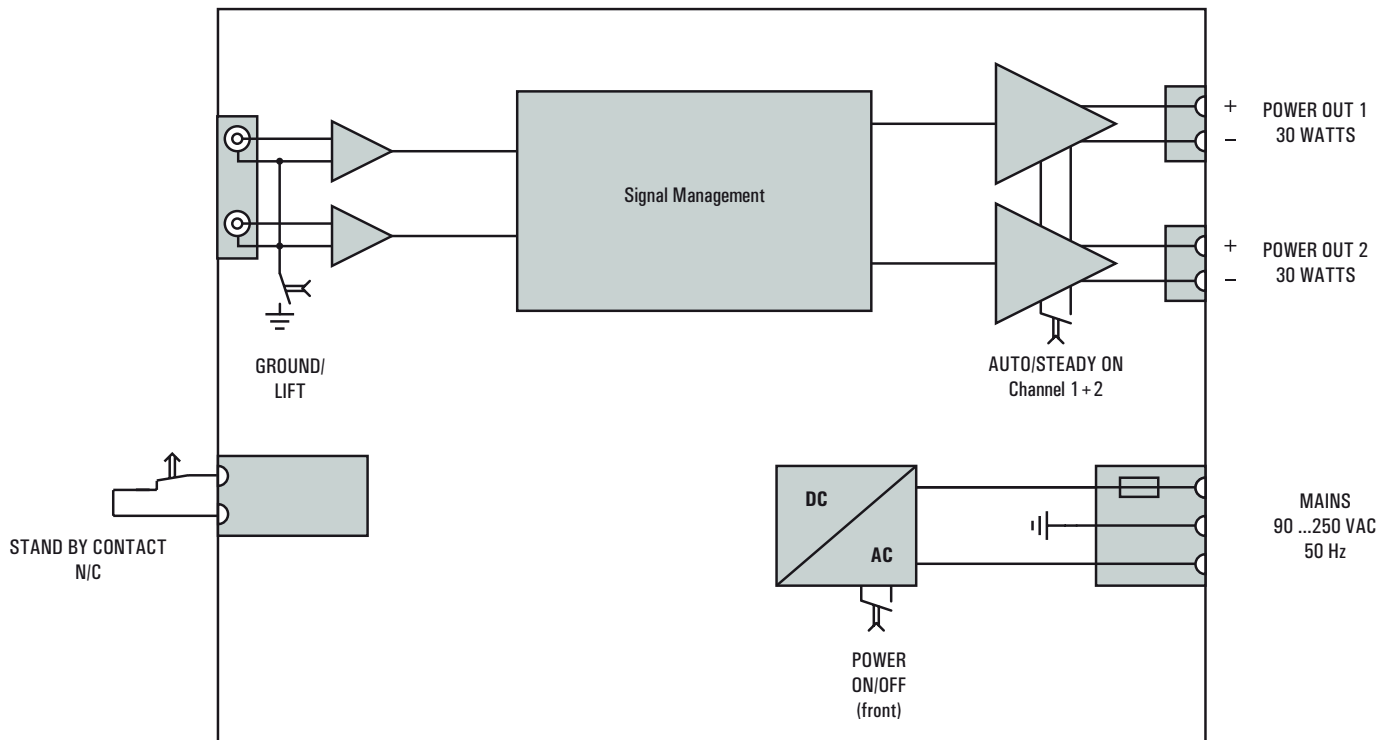
### 6 GROUND LIFT-Switch

In the GROUND position (down) audio ground is directly connected to the mains ground. If the signal source is also grounded this may cause humming noise. In this case the Input connector can be separated from mains ground (LIFT position)

### 7 VOLUME control

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## Block Diagram



# PA-S 230

## Compact 2-Channel Amplifier

### Dimensions

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