

# PA 4100

Amplifier / Mixer



**PA 4100** is a power amplifier that features a 4 input mixer and 4 different outputs with 250W each one.

Its 4 audio inputs incorporate volume control and can be independently configured as Mic or Line inputs with +48 V phantom power, phase inversion and High-pass filter functions (selectable by dip-switch blocks). The first Mic input has a selectable priority circuit. In addition, 2 Aux inputs, remotely triggerable chime, siren and telephone paging complete the mixer.

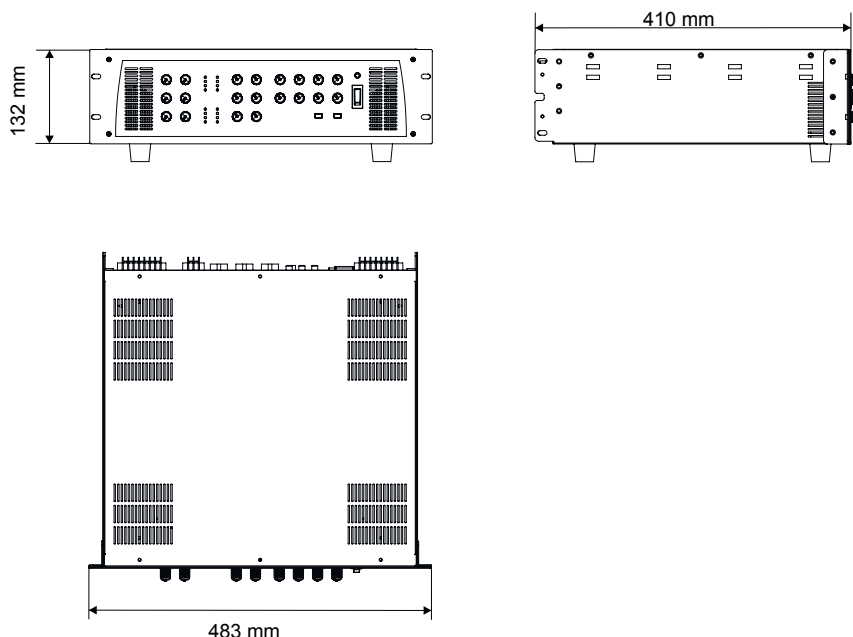
**PA 4100** features 4 independent outputs of 250 W with their own tone controls and independent volume. It supports low impedance (4/ 8Ω) and high impedance (25/ 70/ 100V) .

## Features

- Commercial audio amplifier & mixer.
- 4 Independent outputs.
- Mixer with 4 configurable inputs (Mic/line with +48V phantom power, phase inversion and High-pass filter functions).
- Input 1 with priority
- 2 Aux inputs (line)
- Bridge connection possibility between channels
- Each output with Volume master and tone control (Bass/Treble).
- Suitable for low impedance (4/ 8Ω) and high impedance (25/ 70/ 100V).
- Pre-out function
- Siren on/off switch.
- Chime on/off switch.
- Telephone/Emergency connection for paging and emergency announcements.

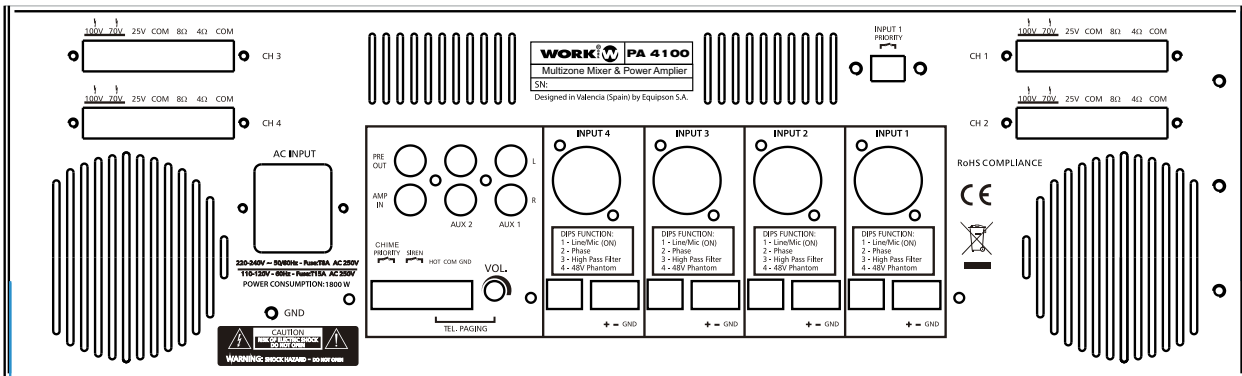
## Dimensions

\* In mm.



# PA 4100

## Rear View



## Specifications

|                                       |                                    |  |
|---------------------------------------|------------------------------------|--|
| <b>Type:</b>                          | Commercial audio amplifier / mixer |  |
| <b>Output Power:</b>                  | <b>Rated:</b>                      | 4 x 250W   |
|                                       | <b>MIC</b>                         | 600Ω /2.8 mV (-31 ±2dBV) unbalanced w/ P. Power  |
| <b>Inputs (Impedance/Sensitivity)</b> | <b>AUX</b>                         | 50kΩ /316 mV (-10 ±2dBV) balanced                |
|                                       | <b>LINE</b>                        | 3kΩ /316 mV (-10 ±2dBV) balanced                 |
|                                       | <b>TEL</b>                         | 600Ω /178 mV (-14 ±2dBV) adjustable balanced     |
|                                       | <b>MIC</b>                         | COMBI (XLR3/Terminal block 3p)                   |
| <b>Inputs (Connection Type):</b>      | <b>AUX</b>                         | 2x RCA   |
|                                       | <b>LINE</b>                        | COMBI (XLR3/Terminal block 3p)                   |
|                                       | <b>TEL</b>                         | Terminals  |
|                                       | <b>Speaker</b>                     | Low Impedance (4/8Ω) + Voltage Line (25/70/100V) |
| <b>Outputs</b>                        | <b>PRE</b>                         | 600Ω /1V (-10 ±2dBV) (1x RCA)                    |
|                                       | <b>THD + N</b>                     | Less than 1% at 1 kHz, rated power               |
| <b>Frequency Response:</b>            | <b>MIC</b>                         | 50 Hz - 9 kHz                                    |
|                                       | <b>AUX</b>                         | 50 Hz - 18 kHz                                   |
|                                       | <b>LINE</b>                        | 50 Hz - 10 kHz                                   |
|                                       | <b>TEL</b>                         | 100 Hz - 3 kHz                                   |

|                              |               |  |
|------------------------------|---------------|--|
| <b>S/N Ratio:</b>            | <b>MIC</b>    | 70 dB below rated power                      |
|                              | <b>AUX</b>    | 80 dB below rated power                      |
|                              | <b>LINE</b>   | 80 dB below rated power                      |
| <b>Tone Controls</b>         | <b>Bass</b>   | ±10 dB/ 22 Hz - 180 Hz / Centre freq. 50 Hz  |
|                              | <b>Treble</b> | ±10 dB/ 3k Hz - 20 kHz / Centre freq. 12 kHz |
| <b>Chime:</b>                |               | 2 tone chime ("Ding-dong" pre-announcement)  |
| <b>Priority:</b>             |               | Tel/Emer. - Input 1                          |
| <b>Dip switch functions:</b> |               | LINE/MIC - Phase - High Pass Filter (300 Hz) |
| <b>Power Supply:</b>         |               | AC 115/230V, 50/60 Hz ±10%                   |
| <b>Consumption:</b>          |               | 1800W  |
| <b>Phantom Voltage:</b>      |               | 48 ±2V                                       |
| <b>Dimensions:</b>           |               | 483 x 132 x 410 mm (3 HU 19" rack)           |
| <b>Weight:</b>               |               | 25.2 kg                                      |

\* Specifications are subject to change without notice.

## Block Diagram

