

# STEREO POWER AMPLIFIERS – ED SERIES

## ED Series

### EXTENDED DYNAMIC POWER AMPLIFIERS

A new and unique Class-H circuitry technology allows their manufacture in SMD technology with a reduced number of components offering high quality audio with a slew rate of 50 V/ $\mu$ s and high-end extended dynamic sound.

The high efficiency of the ED series enables maximum efficiency with low heat generation.

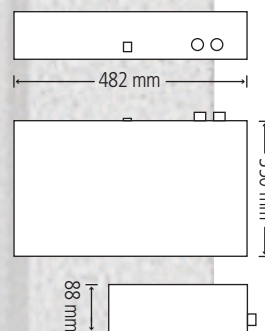
The 2U amplifiers at 2 x 300 W or 2 x 550 W respectively into 4 ohms are equipped complete with temperature-controlled fan cooling, all common protective circuits such as over-temperature, short circuit, RFI and soft start.

The integral soft clip limiter protects against damage to the connected loudspeakers, the activity of a protective circuit, signal and limiter are shown for each channel by LED's.

### ED600 *Code no. 121.35.027*



### ED1100 *Code no. 121.35.028*



| SPECIFICATIONS               | ED 600   | ED 1100  |
|------------------------------|--|--|
| Type                         | Two Channel Power Amplifier  | Two Channel Power Amplifier  |
| Watt/RMS@Ohm                 | 2 x 300 / 4 $\Omega$<br>2 x 180 / 8 $\Omega$                                   | 2 x 550 / 4 $\Omega$<br>2 x 265 / 8 $\Omega$                                   |
| Output (W) bridged @ 8 Ohm   | 1 x 600 / 8 $\Omega$   | 1 x 1100 / 8 $\Omega$  |
| Mono, one channel            | 1 x 310 / 4 $\Omega$<br>1 x 195 / 8 $\Omega$                                   | 1 x 570 / 4 $\Omega$<br>1 x 325 / 8 $\Omega$                                   |
| Frequency response $\pm$ 1dB | 20 – 20.000 Hz   | 20 – 20.000 Hz   |
| Frequency response $\pm$ 3dB | 20 – 57.000 Hz   | 20 – 57.000 Hz   |
| THD + N                      | 0,05 % @ 1 KHz   | 0,05 % @ 1 KHz   |
| SMPTE IMD                    | < 0,03% max. Power@4 Ohm   | < 0,03% max. Power@4 Ohm   |
| Dampening factor             | > 200:1 (8 Ohm)  | > 200:1 (8 Ohm)  |
| Slew Rate                    | 50V/ $\mu$ S   | 50V/ $\mu$ S   |
| Self noise                   | > 105 dB, A-weighted   | > 105 dB, A-weighted   |
| Signal to noise ratio        | > 70dB@ 1 KHz  | > 70dB@ 1 KHz  |
| Input sensitivity            | 0 dBm (0,775 V RMS)  | 0 dBm (0,775 V RMS)  |
| Input impedance              | 20 KOhm balanced, 10 KOhm unbalanced   | 20 KOhm balanced, 10 KOhm unbalanced   |
| Protection                   | Thermal, direct current, RFI, short circuit, thermal protection of transformer | Thermal, direct current, RFI, short circuit, thermal protection of transformer |
| Input connection             | 2 x XLR balanced, 6,3mm jack unbalanced  | 2 x XLR balanced, 6,3mm jack unbalanced  |
| Output connection            | 2 x Neutrik Speakon4   | 2 x Neutrik Speakon4   |
| Cooling                      | 1 x temperature controlled ventilator  | 1 x temperature controlled ventilator  |
| Current consumption          | max. 6A  | max. 10A   |
| Dimensions                   | 88 x 482 x 350 mm + Handles 40mm   | 88 x 482 x 350 mm + Handles 40mm   |
| Built-in dimensions          | 2 U rack 19"   | 2 U rack 19"   |
| Weight                       | 12,5 kg  | 15 kg  |