

STA-1400 - Amplifier



Professional stereo PA amplifier, with integrated crossover network and limiter.

- LCD for indicating temperature, operating mode, protective function
- Integrated crossover network: 120 Hz, 24 dB/oct., selectable: subwoofer, full range or satellite operation
- 3 operating modes can be selected (stereo, parallel or bridged)
- Temperature-controlled fans
- 2 level controls
- Ground lift function
- Speaker switch-on delay
- Protective circuit with LED indication for protection against short circuit, overheating and DC voltage overlay at the outputs
- Each channel with LEDs for indicating operating voltage, level and limiter
- NEUTRIK SPEAKON connections

STA-1400, STA-1000 and STA-600 are supplied with 3-pin IEC panel plugs and matching mains cables.

Beat 01/2012

"Two MEGA-112 as top parts as well as one MEGA-118SUB were brought to the test. We used the power amplifiers STA-600 and STA-1400 for the top parts in bi-amping and the STA-1000 for the bass reproduction. For the functional control, we applied the digital speaker management DSM-260. The units were tested in a small factory building ... it featured many windows, a concrete floor and several tiled surfaces, allowing the high frequencies to show no mercy ... however, with the precise equalizers of the DSM-260, we were able to tame these very quickly ... the unit allows to optimise the sound quickly and intuitively ... we turned the volume up and achieved an impressive performance. The subwoofer is very stable and provides a really powerful sound. The MEGA-112 impresses by a really well-balanced sound. Full and dynamic dance music with a really great sound can thus be achieved. This PA system is able to easily provide a professional sound for 400 guests, even for the more sophisticated listener. Thumbs up. The selected PA combination is very suitable for everyone performing at temporary locations."

Tekniske data

Peak output power	: 2,100 W
Power rating	: 1,400 W
Power rating at 2 Ohm	: -
Power rating at 4 Ohm	: 2 x 700 W
Power rating at 8 Ohm	: 2 x 450 W
Power rating at 16 Ohm	: -
Power rating at 100 V	: -
Power rating with 4 Ohm	: -
bridged operation	
Power rating with 8 Ohm	: 1 x 1,400 W
bridged operation	
Output impedance	: -
Channels	: 2
Zones	: -
Inputs	: 1Â V/20Â kOhm
Attenuation factor	: -
Frequency range	: 20-20,000Â Hz
Crossover network	: 24 dB/oct.
Crossover frequency	: 120 Hz
Integrated limiter	: yes
Equalizer bass	: -
Equalizer midrange	: -
Equalizer treble	: -
S/N ratio	: ? 95 dB
Crosstalk attenuation	: ? 60 dB
THD	: < 0.1%
Mains voltage	: ∼ 230 V
Mains frequency	: 50 Hz
Power consumption, operation	: 2,300 VA
Power consumption, standby	: -
Standby current	: -
Operating voltage (possible alternative)	: -
Power supply (possible alternative)	: -
Admiss. ambient temp.	: 0-40 °C
Width	: 482 mm
Height	: 88 mm
Depth	: 418 mm

Rack spaces, RS	: 2
Weight	: 20 kg
Connections	: 1 x 3-pole XLR L/R, bal. 1 x 6.3 mm jack L/R, bal. 1 x NEUTRIK SPEAKON L/R2 x pair of screw terminals