

Ultra Slim Multi Purpose Power Amplifier **Powerstick**



The Powerstick is an ultra slim, light-weight 2 x 500 W power amplifier with integrated DSP controller. It is designed to be integrated into the L-Series Monopod, and can also be mounted directly onto the rear side of an L-Series loudspeaker. Due to the compact form of the Powerstick, it can also easily be integrated into truss constructions or exhibition stands.

PRODUCT SPECIFICATIONS

Description	Ultra Slim Multi Purpose Power Amplifier
Amp Power	2 x 500 W AES @ 4 Ω / 110-230 V
Rated Current	0,75 A @ 230 V
Min. Load Impedance	2 x 4 Ω
Max. Input Signal	25 dBu
DSP	HDLM FPGA Processing 32 bit floating point
AD / DA	24 bit / 96 kHz
Latency	0,8 ms (analog in to analog out)
Signal/Noise Ratio	115 dB
Connectors	Neutrik XLR in/out Neutrik PowerCon in/out 3 x Neutrik Speakon NL4MP out
Rigging / Fittings	2 x keyhole for wall mounting 10 x hole
Weight	2,6 kg
Size (height x width x depth)	50,8 x 8,5 x 8,2 cm
Order No.	00750/dp



**Powerstick +
Monopod,
Design L 16j**

The Powerstick features integrated digital amplifier electronics with a DSP controller. Various factory-configured presets and volume settings can be selected. The user can program custom presets with the LPI (Loudspeaker Programming Interface).

High-grade electronic components from the industrial sector and a first-class circuit design ensure excellent audio quality with low distortion and effectively minimise static noise. The optimised „intelligent“ limiters protect the speakers from overload without compromising the potential of modern high-powered speakers.

Speaker out - 1

For connection of HiMid systems.
Amplifier channel 1 (Pin 1+/-)

Speaker out - 2

For connection of HiMid systems.
Amplifier channel 2 (Pin 1+/-)

Level

Adjustment in 3 dB steps
(-6 dB to +3 dB).

Status

Mute LED

Red light when the system is muted or under technically crucial conditions.

Limit LED

Yellow light when the limiter is restricting the level.

Signal LED

Green light when the input signal exceeds -20 dBu.

Power LED

Green light when the system is switched on.

XLR

Symmetrical analog input, max. Input +25 dBu.
Effective filter protection against HF interference and DC Voltages.
Virtual ground lift.

Speaker out 1/2

Connector for a combination of a mid-high system and a subwoofer with an impedance of 4 Ω minimum.
Out 1 (Pin 1+/-)
Out 2 (Pin 2+/-)

AC in

Power supply
~110-230 V / 16 A



Presets Bank No. 1 - L-Series

No. 1 2 x L 16 (Fullrange)

Preset für Fullrangeanwendungen.

No. 2 2 x L 16 HP (180 Hz)

Preset for 2 x L 16 with high pass filter at 180 Hz.

No. 3 L 16 + G Sub 1201 (160 Hz)

Preset for one L 16 in combination with up to two G Sub 1201 (crossover frequency ca. 160 Hz).

No. 4 L 16 + G Sub 1501 (140 Hz)

Preset for one L 16 in combination with up to two G Sub 1501 (crossover frequency ca. 140 Hz).

Presets Bank No. 2 - default state

No. 1 - 2 x HP 50 Hz

Preset for use with high-mid systems providing a protective high pass at 50 Hz.

No. 2 - 2 x Low-Boost

Preset for use with high-mid systems with an additional bass boost.

No. 3 - Top + Sub (160 Hz)

Preset with a 160 Hz crossover frequency for use with smaller high-mid systems in combination with a subwoofer (min. impedance 4 Ω)

No. 4 - Top + Sub (120 Hz)

Preset with a 120 Hz crossover frequency for use with high-mid systems in combination with a subwoofer (min. impedance 4 Ω)

Presets Bank No. 3 - i-Series

No. 1 2 x i 4 Flat

Flat-Preset for 2 x i 4.

No. 2 2 x i 5 Flat

Flat-Preset for 2 x i 5.

No. 3 i 4 HP + G Sub 1001 (160 Hz)

Preset for i4 in combination with up to 2 passive G Sub 1001. Crossover frequency 160 Hz.

No. 4 i 5 HP + G Sub 1001 (120 Hz)

Preset for i5 in combination with up to 2 passive G Sub 1001. Crossover frequency 120 Hz.

Mode - key

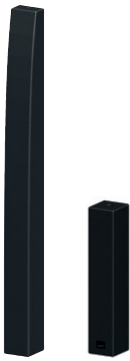
Switches between control modes:
Status, Level and Presets.

Set - key

Setting of various values and
Mute on / off.

ACCESSORIES Powerstick

Monopods for L-Series



Size and Design like L 16j,
to be fixed with M20 on bottom
and M10 on top
Order No. **00750/L16j**

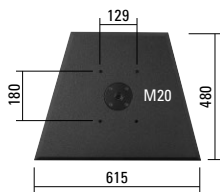
Size and Design like L 8i,
to be fixed with M20 on bottom
and M10 on top
Order No. **00750/L8i**

Tool Set for Monopod



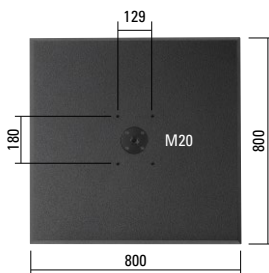
consisting of: wooden plate
with M20 and M10 screws,
matching keys, magnetic bits
Order No. **00750/tool**

Base Plate, Small



for GL 16 / GL Sub / L-Series
with M20 flange,
61,5 x 48,0 cm
Order No. **01278/M20**

Base Plate, XL



for stacked mounting
of multiple GL 16 units / GL Sub
with M20 flange,
80,0 x 80,0 cm
Order No. **01279/M20**

Hybrid Cable System



PowerCon-PowerCon / XLR-XLR

2,5 m	Order No. 08462
5 m	Order No. 08464
10 m	Order No. 08466
15 m	Order No. 08468

Universal Bag



Universal bag for
Small Base Plate and accessories,
with side pocket
51 cm x 62 cm x 23 cm
(height x width x depth)

Order No. **01227**

