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PROUDLY DEVELOPED AND  
MANUFACTURED IN PORTUGAL

# LOOP SYS

Active Line array system  
Class D amplifier  
Integrated DSP



## Presentation:

LOOP is a versatile self-powered system endowed with high quality components including a very powerful Class D amplifier coupled to a fully programmable DSP. The amplifier is assembled in a rugged 18" bass reflex enclosure that features a 4" voice coil EU loudspeaker delivering 1400W (Program power) combined with two array elements, both passive and driven by the Class D amplifier set on the subwoofer. Each LOOP10 comprises a 10" EU loudspeaker and high power handling capabilities and a 1.4" (75mm voice coil) compression driver coupled to a true wave guide horn with phase correction that ensures consistent and long range projection with very low distortion levels. There is a programmable DSP for real time operation and all parameters can be individually adjusted through a user friendly software that allows the storage of many presets as desired and 5 presets can be loaded and then selected at any time on the rear panel. A rigging metal frame to hang the system is available, allowing the system to be used as ground stacking or in flying positions to increase versatility.

## Features:

- Compact self-powered line array system
- Suited for small and medium size applications
- 18" active subwoofer with EU transducer
- 10" passive line array elements
- 1.4" HF (75mm voice coil) compression drivers
- 2500+800+800W class D amplifier
- 85-264Vac universal mains
- Fully programmable built-in DSP
- Integrated rigging system
- Great flexibility in shaping array curvature
- One sub can connect up to 4 array elements

## Other pictures:



Side view



Rear view



Front view



Metal frame





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## Technical specifications:

### Acoustical

Type	Active and compact Line array system
Enclosure design	Bass reflex (LOOP18) Trapezoidal array element (LOOP10)
Power output (RMS)	1400W (LOOP18) 780W (LOOP10)
Power handling capacity	2500W + 800W + 800W
Frequency range	38Hz - 200Hz (LOOP18) 50Hz - 20kHz
Nominal impedance	N/A (LOOP18) 80hm (LOOP10)
Transducer type	18" LF EU transducer (LOOP18) 10" MF + 1.4" HF EU transducers (LOOP10)
Dispersion	90°x7° (LOOP10)
Crossover frequency	Adjustable by fully programmable DSP
SPL (1W/1kHz)	132dB@1m (LOOP10) 134dB@1m (LOOP18)

### Electronics

Amplifier type	Class D
Amplifier output	2500W + 800W + 800W
Audio input	XLR/Jack combo connector (LOOP18) Neutrik® NL4 (LOOP10)
Audio output	XLR 3p female (LOOP18) Neutrik® NL4 (LOOP10)
AC Mains	85-264Vac universal mains
AC Mains connector	Neutrik® powerCON, Power-in (blue) / Power-out (grey)
Protections	Electronic circuitry

### Physical

Cabinet	18mm birch plywood (LOOP18) 15mm birch plywood (LOOP10)
Grille	Custom perforated metal grilles
Color	Black or white textured durable coating
Hardware	Integrated steel rigging system, metal frame available
Dimensions	565x545x705mm (LOOP18) 565x415x300mm (LOOP10)
Weight	47Kg (LOOP18) 24Kg (LOOP10)

## Dimensions:

