

# Digitla Plus N



## TECHNICAL SPECIFICATIONS

<b>Frequency Response</b>	(-10 dB) (±3 dB)	55Hz ÷ 18kHz 64.5Hz ÷ 17.5kHz
<b>Average Dispersion</b>		
500Hz ÷ 10kHz		85° x 100° (HxV)
>5 kHz		55° x 95° (HxV); (can be inverted)
500Hz ÷ 4kHz		105° x 105° (HxV)
<b>Impedance (ohms)</b>		
Tot (min)	8	(6.3 @ 120 Hz)
Low (min)	8	(6.5 @ 125 Hz)
Mid/Hi (min)	8	(6.7 @ 1073 Hz)
<b>Max Sensitivity (dB SPL 1W 1m)</b>		
	101	(Full-space)
	104	(Half-space, bass only)
<b>Power-Watts AES</b>	<b>Cont.</b>	<b>Peak</b>
Tot	600	2400
<b>Max Output Level (calculated)</b>	<b>Cont.</b>	<b>Peak</b>
	129	135 (Full-space)
	132	138 (Half-space, bass only)
<b>Loudspeakers and Loading</b>		
LF:	1x15" NdFeB High pass Vented box.	
MF:	1x8" NdFeB High pass Vented box.	
HF:	1x1" Exit (1.75" diaphragm) Horn Loaded.	

## PHYSICAL PROPERTIES

<b>Product type</b>	Wide-range loudspeaker system: three-ways/three-speakers, medium/high power, short throw, with built-in passive filter.
<b>Enclosure Material and Finish</b>	Trapezoidal enclosure in 15 mm. Plywood with internal bracing, rounded corners and integral handles. Scratchproof paint.
<b>Standard accessories</b>	Highly resistant vibration-free protective perforated aluminium grill covered in black foam; 2 handles; internal support tube/stand housing; flying points with nutplates. Neutrik Speakon NL4FC connector.
<b>Protection</b>	Electronic, only when the dedicated Outline processors are used with limiter functions.
LF:	5A fast fuse and LC network
MF:	3.15A fast fuse and RLC network
HF:	3.15A fast fuse and RLC network
<b>Optional accessories</b>	Outline BP40 stand with air-cushioned lowering; brackets for wall or ceiling mounting.
<b>Connectors</b>	2xNL4 Speakon in parallel:
LF	Pin 1+ pos; Pin 1- neg
MF/ HF	Pin 2+ pos; Pin 2- neg
<b>Weight (Kg)</b>	
Net (gross)	28 (34.5)
<b>Dimensions (cm)</b>	
Height (with packing)	75 (81)
Width (with packing)	49 (56)
Depth (with packing)	43.5 (51)

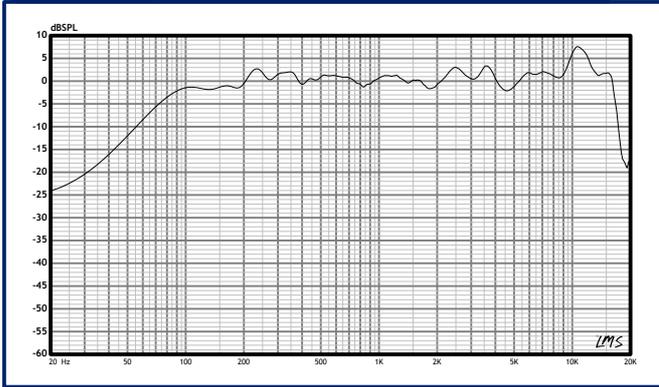
## FEATURES

- Compact powerful (138dB peak SPL@ 1 m) enclosure with a 15" woofer (LF), a 20cm midrange (MF) and a horn loaded Outline OUT4 1" compression driver (HF); ferrofluid cooled voice coil.
- Neodymium components for an excellent weight/performance ratio.
- Three-way design (8 Ohms) with built-in passive crossover for easy control at a reasonable cost, by using just one amplifier channel.
- Possibility of passive biamping for even better performance.
- Cabinet internally braced to ensure the utmost and avoid coloration due to resonance. Equipped with hardware for fast flying or stand mounting.

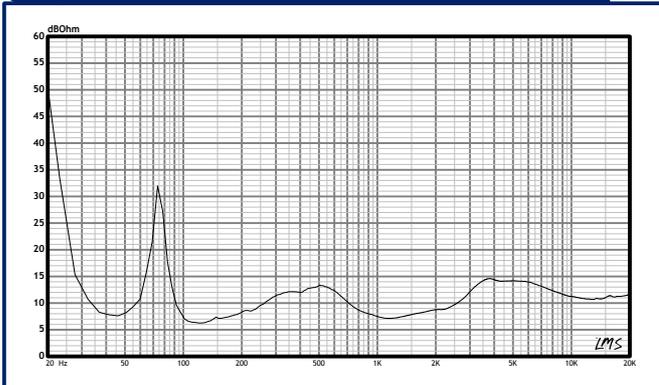
## APPLICATIONS

- Multi-use enclosure particularly suited to permanent high quality installations in clubs, ideal for use along with Outline subwoofers for further extension of the bottom end and therefore greater dynamics.

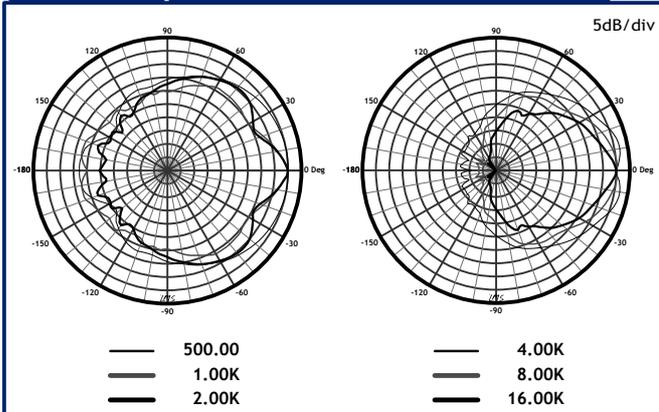
## frequency response



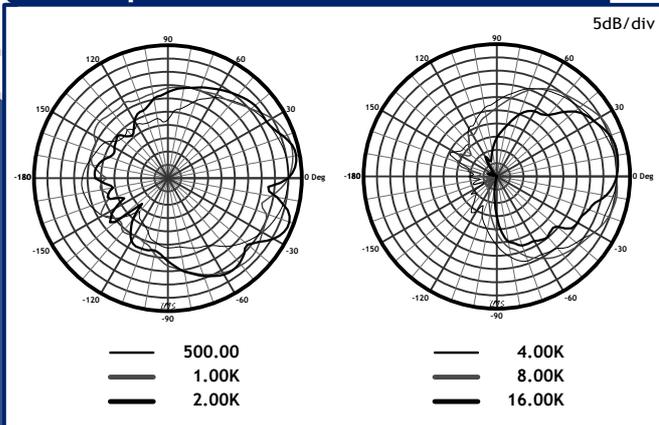
## impedance



## horizontal polars



## vertical polars



## DESCRIPTION

Full range three-way loudspeaker system, comprising a 15" cm woofer for the low frequencies with a NdFeB (Neodymium) magnetic circuit, a 8" woofer for the mid frequency with NdFeB magnetic circuit and a driver compression with aluminium diaphragm and a 1" throat for the high frequencies. The loading for the low frequencies phase inversion/tuned chamber for the mids it's of the same type in a separate chamber inside the first. This idea allows to obtain the most linear response possible on both the low and mid frequencies.

The driver for the high frequencies is loaded by a short rotatable controlled directivity horn with a dispersion of 105° H x 105° V in the vocal range (500Hz ÷ 4000Hz) and an average wide band sound coverage of 85° H x 100° V. The enclosure maintains its high quality performance whether used in a vertical or horizontal position.

A 3-way low-loss passive crossover fitted with overload protection handles the separation and equalization of the signal before it's fed to the relative loudspeakers.

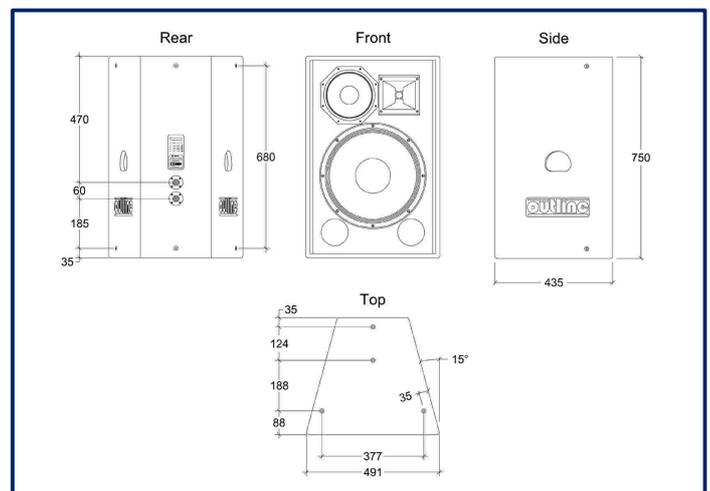
The useable frequency band at -10dB goes from 55Hz to 18kHz. The frequency response of the complete system measured on axis, according to AES standards, is within +/- 3dB from 64.5Hz to 17.5 kHz. Controlled via the passive crossover, the system produces 101dB SPL on axis at 1m, hung in full space configuration with 1 Watt on the input at rated impedance, and is able to produce a maximum peak pressure of 135dB SPL under the same conditions, with 2400 Watts peak on the input.

The enclosure is able to handle a maximum power of 600 Watts according to AES standards at a minimum impedance of 6.3 Ohms. With passive biamping, i.e. driving them separately, both the low and the mid/high section maintain or exceed the same performance as when the enclosure is powered by just one amplifier, including maximum power handling capacity. The cabinet has a trapezoidal form and is built in 15mm high quality Baltic birch plywood, strengthened by internal bracing, which also eliminates any resonance of the cabinet's sides.

The black outer finish is in high quality scratch-resistant paint. The connectors are two Neutrik Speakon NL4 with their contacts linked in order to facilitate the powering of two enclosures in parallel with the same amplifier. Contacts 1+ and 1- are for the low section, whereas 2+ and 2- are for the mid/highs. The cabinet has 14 threaded flying points with a diameter of 8mm (M8) to facilitate vertical and horizontal flying by means of appropriate (optional) accessories.

On the underside of the cabinet, there's a die-cast aluminium socket for fitting an optional tripod stand; two useful integrated recessed handles in the side panels of the cabinet ensure a positive grip during transport. The front grille is vibration-free aluminium mesh mounted on a wooden frame and covered with special acoustically transparent foam.

The enclosure's market name is DIGITA PLUS N.



loudspeakers

**Digita Plus N**

**outline**

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