**10" TWO-WAY ACTIVE FULL-RANGE SPEAKER SYSTEM**

NíTiD

amate audio

**Nd** LIGHT NEODYMIUM COMPONENTS

ASYMMETRICAL DISPERSION HORN

VERSATILE SYSTEM MAIN PA & STAGE MONITOR

MULTIPLE PRESETS AVAILABLE

HIGH RESISTANCE POLYUREA® PAINT

ACCESSORIES FOR EASY INSTALLATIONS

Outstanding low weight and size to power ratio.
600 W in a reduced 10" two way biamplified system format tears down any excuse to obtain a "big" sound in a small package.

## KEY FEATURES

### TRANSDUCERS TECHNOLOGY

Two-way full range active speaker system composed by one direct radiating 2,5-inch voice coil, neodymium magnet 10" loudspeaker and one 1,4-inch voice coil diameter, PETP diaphragm compression driver loaded to an asymmetrical rotational horn (50º to 100º x 55º dispersion).

### AMPLIFICATION

600 W 3rd generation Class D built-in amplifier controlled by a dedicated DSP.

90% efficiency amplifier SMPS (switching mode power supply), allowing maximum power delivery with minimum consumption in an extremely low-weight and reduced size.

Rear connections and control panel with LCD screen to display the different settings, presets, volume and adjustments done by the user. Our SensitiveTouch® capacitive sensor keypad guarantees the reliability of the system even under humidity and extreme weather conditions.

Double PowerCon® (input & link).

### DSP & CONTROL

Internal DSP with all necessary signal processing (crossovers, EQ's, delay, limiter, gain control, mute, input dynamic compressor) as well as several useful presets to adjust N10 to different requirements.

The on-screen output power display and the front NITID backlight help to easy monitor the system. The backlight can be switched on or off, or set to indicate when the system is limiting.

ALC (Adaptative Loudness Compensation) to improve the listening experience when the cabinet is used at low musical levels.

ECO Mode available.

5-band EQ menu with five parametric equalizers.

### DESIGN & ACCESSORIES

Ergonomic handles for an easy handling.

Trapeziodal shape for PA or stage monitor application.

2mm speaker grille with black mesh, exclusively designed with an optimum perforation gradient and attractive appearance.

Multilayer birch plywood cabinet with Polyurea® coating, offering maximum reliability and strength for touring as well as for high demanding applications.

M8 rigging points for easy flying.

35mm diameter pole mount socket mounted on the bottom side, for a standard tripod.

Protective rubber profiles.

## 10" TWO-WAY ACTIVE FULL-RANGE SPEAKER SYSTEM

# NÍTID

amate audio

## TECHNICAL FEATURES

| | |
|---|---|
| **Amplifier (program)** | 500 W (LF) + 100 W (HF) Class D Bi-amplified |
| **Input Sensitivity** | 8 dBu – 1.94 V |
| **Input Impedance** | 20 kΩ Balanced |
| **Maximum input level** | 20 dBu |
| **Mains** | Universal Switch Mode Power Supply 85-265 V / 45-65 Hz |
| **Average current draw** | 0.7 A (Heavy duty musical program) |
| **SPL (1 m)** | 125 dB continuous musical program, 128 dB peak |
| **Built-in DSP** | 48-bit processing unit. Includes factory presets |
| **AD/DA converters** | 24 bit – 48 kHz |
| **Standby mode consumption** | ‹ 5 W |
| **Adjustable delay line** | 118 ms / 40 m |
| **Crossover frequency** | 2k4 Hz |
| **Frequency response (-10 dB)** | 54 Hz – 19 kHz |
| **Components** LF - MF <br> HF | 10" neodymium woofer (2.5" voice coil) <br> 1.4" PETP diaphragm compression driver |
| **Directivity (HxV)** | 50º to 100º x 55º |
| **Directivity factor (Q)** | 12.6 |
| **Directivity Index (DI)** | 11 dB |
| **Weight** | 14.5 kg |
| **Dimensions (HxWxD)** | 543 x 310 x 335 mm |
| **Finish** | Multilayer birch plywood with high resistant black Polyurea® coating and protective rubber profiles |
| **Grille** | 2 mm steel with black acoustic mesh |
| **Rigging** | M8 points |
| **Connectors** | 1x XLR input / 1x XLR link / 1x AC PowerCon® input / 1x AC PowerCon® link |

### CONTROL PANEL

Our latest digital signal processing (DSP) is integrated with 3rd generation Class D amplification and operated via our dedicated SensitiveTouch™ keypad technology. With no mechanical components or moving parts, the SensitiveTouch™ capacitive sensor keypad is highly responsive, weatherproof and durable compared with conventional electronic controls and effectively failsafe. With the SensitiveTouch™ keypad and display, you can set-up the N10 in just seconds.
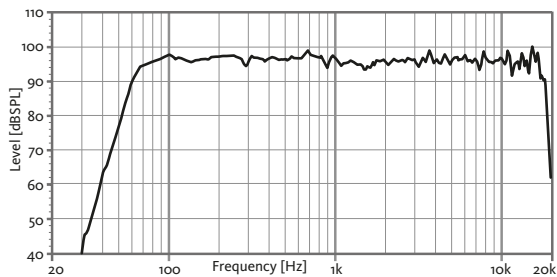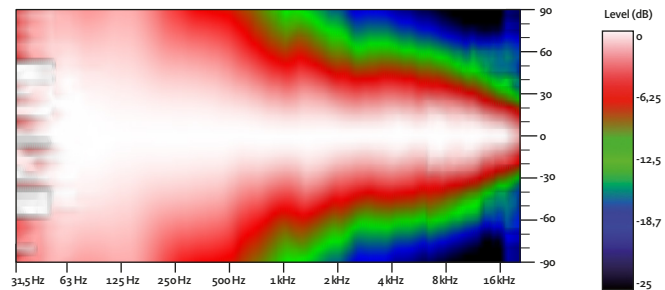
TOP VIEW

BOTTOM VIEW
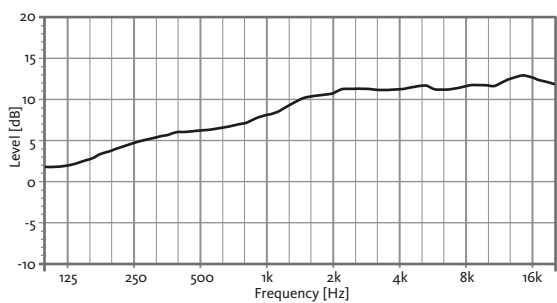
SIDE VIEW

FRONT VIEW

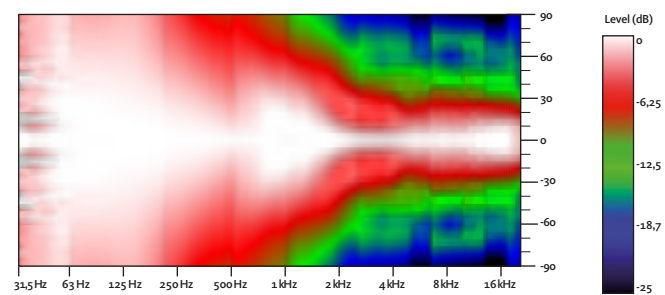REAR VIEW

## FREQUENCY RESPONSE 1w/1m (FLAT PRESET)



## DIRECTIVITY INDEX (DI)



## HORIZONTAL & VERTICAL BEAMWIDTH (-6dB point)



HORIZONTAL   VERTICAL
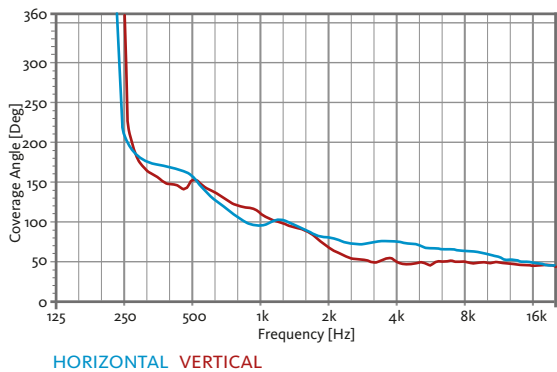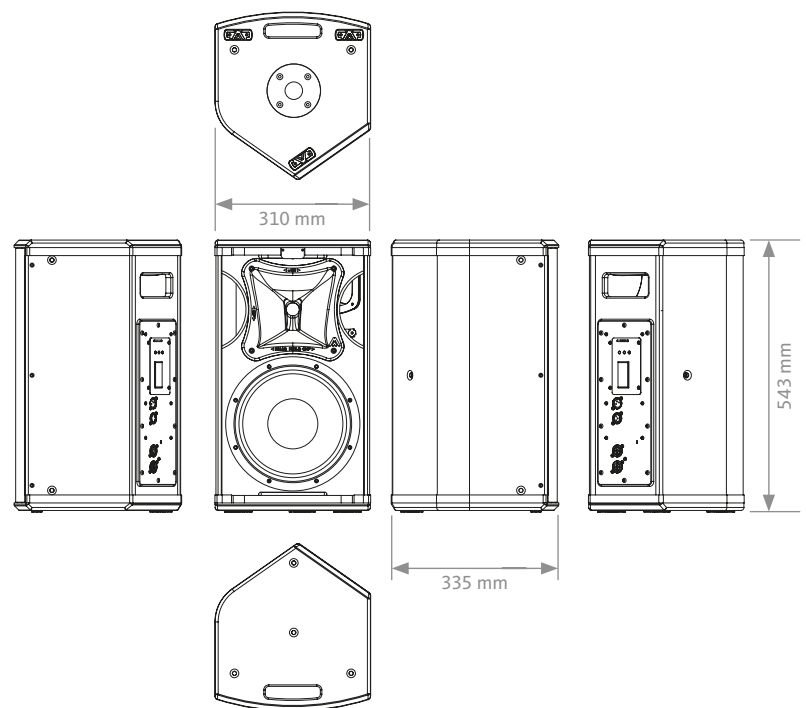
## BUILT-IN PRESETS
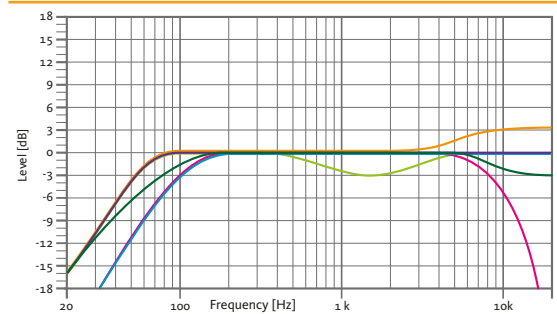


**FLAT**
Flat response

**NEARFIELD**
-3 dB mid frequencies (400 Hz – 4 kHz)

**LONGTHROW**
+3 dB high frequencies

**SPEECH**
HPF 100 Hz
LPF 8 kHz

**MONITOR**
Stage monitor use

**XOVER**
HPF 100 Hz

## HORIZONTAL COVERAGE



## VERTICAL COVERAGE



## CAD DRAWING SCHEME



310 mm

543 mm

335 mm

## ACCESSORIES

### FLIGHT CASE
**FC-N10**
for two units of N10

### WALL MOUNT BRACKET
**UB-L**

### FLYING BAR
**HR-S**

### FLYING BAR WITH HOOK
**HR-S/GT**

### M8 RIGGING EYEBOLT
**ACR-M8**

### TELESCOPIC DISTANCE ROD
**SP-CRTL**

ø: 35 mm
Lenght:
55 cm ~ 90 cm
Thread: M20

### SAFETY SLING
**SC-15**

## DISCOVER NÍTID

### UNIQUE DESIGN

Distinguishing details include the speaker grille, exclusively designed for an attractive appearance, maximum protection, and with **the best perforation coefficient in the market, for improved sound quality.** The Polyurea® finish offers durable protection for the birch-ply cabinet, and electronic circuits and controls are smartly protected against moisture. A wide range of accessories is provided for whatever your application is.

### THE PERFECT BALANCE

**NÍTID** series is the culmination of an intensive program of research, development and optimization, to achieve the greatest possible power and performance from the most compact sized cabinet. Every aspect of its form factor has resulted from examination and consideration of optimum acoustic response, ergonomics, construction and appearance.
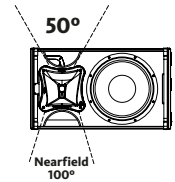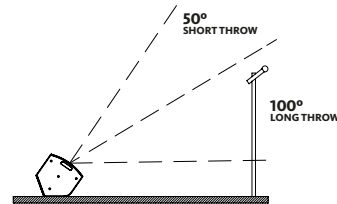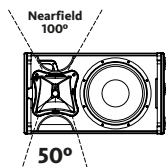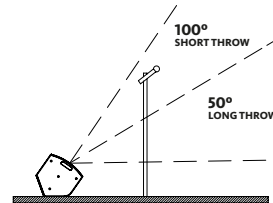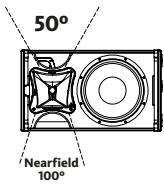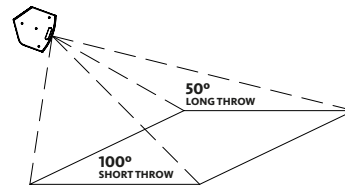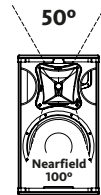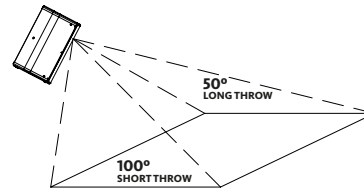
### AMAZING PERFORMANCE

The integrated **'plug & play'** active power and control system includes DSP presets for rapid setup and amazing sound, and the comprehensive control interface includes instantly recallable presets for setting up the **NÍTID** in just a few seconds. The accurate match between transducers, DSP and amplifiers provide a fully optimized system for the most demanding applications.
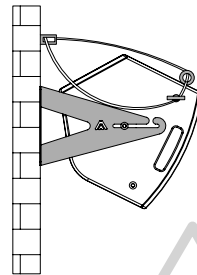
## ASYMMETRICAL DISPERSION HORN

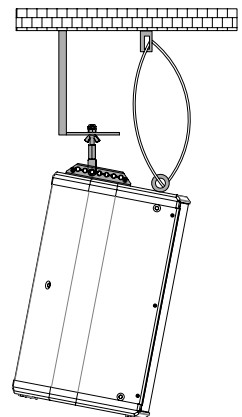It allows to optimize the coverage depending on its position.



50º
50º LONG THROW
100º SHORT THROW
Nearfield 100º

50º
50º LONG THROW
100º SHORT THROW
Nearfield 100º

100º SHORT THROW
50º LONG THROW
Nearfield 100º
50º

50º SHORT THROW
100º LONG THROW
50º
Nearfield 100º

### HORIZONTAL WALL-MOUNT
UB-L + SC-15

### VERTICAL COLUMN-MOUNT
HR-S + SC-15

### VERTICAL TRUSS-MOUNT
HR-S/GT + SC-15