

CARDIOID
PRESETSMULTIPLE
PRESETS
AVAILABLEHIGH RESISTANCE
POLYUREA PAINT®ACCESSORIES FOR
EASY INSTALLATIONS

A new expression of the compact and powerful 18" subwoofer!
The cabinet design with laminar ports gets the most of the latest technology 18" transducer, making this subwoofer an ideal companion to any of the NITID series cabinet.

KEY FEATURES

TRANSDUCERS TECHNOLOGY

Active subwoofer composed by one direct radiating 4-inch voice coil, 18" loudspeaker front loaded in a bass-reflex tuned enclosure with laminar ports.

AMPLIFICATION

2500 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, limiters, gain control, mute, input dynamic compressor, polarity) as well as several useful presets to adjust N18W to different requirements.

The on-screen output power display helps to easily monitor the system.

ECO Mode available.

Cardioid presets available. Plug the subwoofer, choose between several options and get your cardioid configuration in just seconds.

DESIGN & ACCESSORIES

Ergonomic handles for an easy handling.

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.

M6 rigging points for easy flying.

M20 plate socket provided at the top side for full-range enclosure coupling.

TECHNICAL FEATURES

Amplifier (program)	2500 W – Class D
Input Sensitivity	2 dBu – 1V
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	3.5 A (Heavy duty musical program)
SPL (1 m)	132 dB continuous musical program, 135 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	80 Hz / 90 Hz / 100 Hz / 110 Hz / 120 Hz
Frequency response (-10 dB)	35 Hz - 150 Hz
Components	18" woofer (4" voice coil)
Directivity (HxV)	Omnidirectional
Directivity factor (Q)	1
Directivity Index (DI)	0 dB
Weight	52 kg (without KR-18T flying hardware) 55.4 kg (with KR-18T flying hardware)
Dimensions (HxWxD)	540 x 664 x 700 mm
Finish	Multilayer birch plywood with high resistant black Polyurea® coating
Grille	2 mm steel with black acoustic mesh
Rigging	M6 points (for KR-18T flying hardware)
Connectors	1 x 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 N18W in just seconds.



SIDE VIEW



FRONT VIEW WITHOUT GRILLES



REAR VIEW

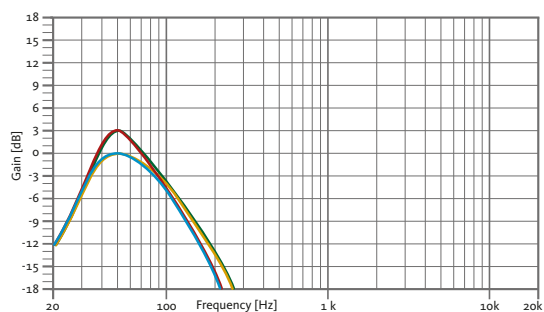


BOTTOM VIEW



TOP VIEW

BUILT-IN PRESETS

**LPF80**

LPF 80 Hz

LPF80+3

LPF 80 Hz + 3dB boost @ 50Hz

LPF90

LPF 90 Hz

LPF90+3

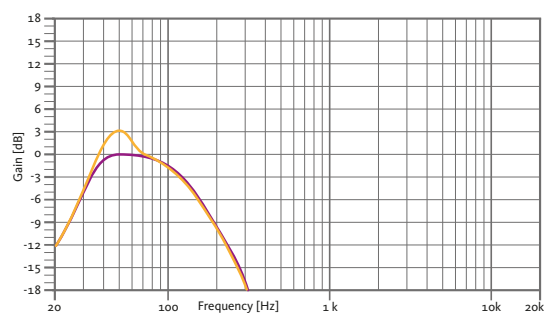
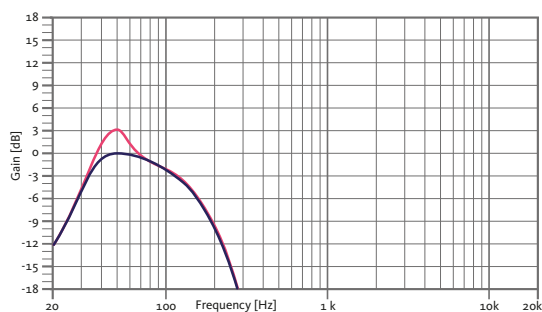
LPF 90 Hz + 3dB boost @ 50Hz

LPF100

LPF 100 Hz

LPF100+3

LPF 100 Hz + 3dB boost @ 50Hz

**LPF110**

LPF 110 Hz

LPF110+3

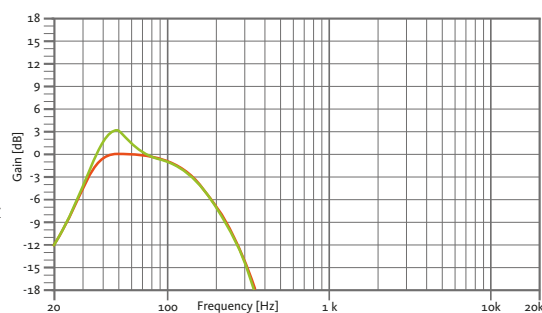
LPF 110 Hz + 3dB boost @ 50Hz

LPF120

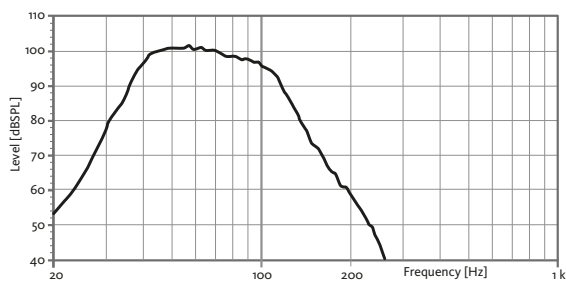
LPF 120 Hz

LPF120+3

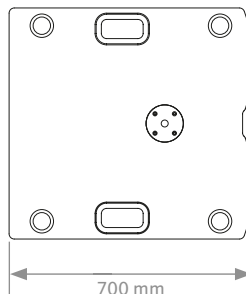
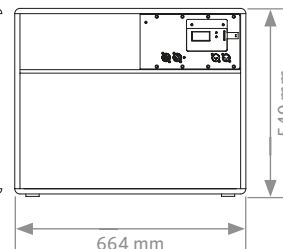
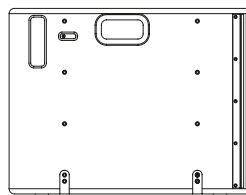
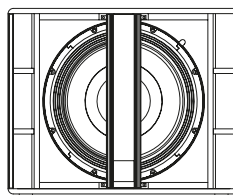
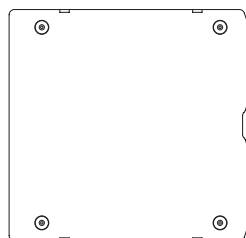
LPF 120 Hz + 3dB boost @ 50Hz



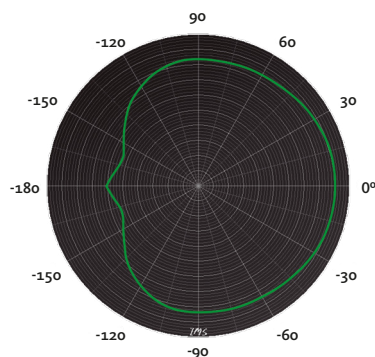
FREQUENCY RESPONSE 1w/1m (LPF90+3 PRESET)



CAD DRAWING SCHEME

EASY CARDIOID CONFIGURATION
THROUGH DEDICATED PRESET

63 Hz



N18W

2500 W
1x 18" ACTIVE
SUBWOOFER

NÍTiD



ACCESSORIES

FLIGHT CASE

FC-N18W/1

for one unit of N18W

FC-N18W/2

for two units of N18W



TOURING BUMPER

TA-X208R

For flying N18W



FLYING HARDWARE

KR-18T

For flying N18W



STACKING FRAME

FR-X18

For N18W underneath N208



DISTANCE ROD M20

SP-CRTL

ø: 35 mm

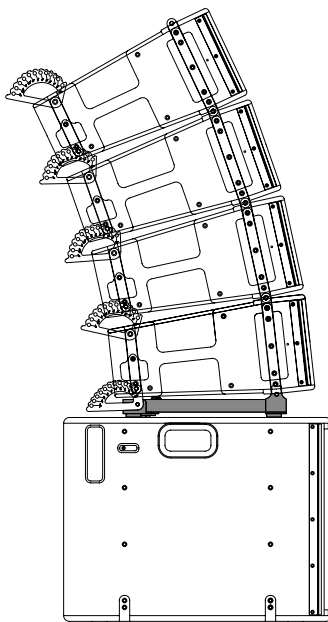
Length: 55 cm ~ 90 cm

Thread: M20



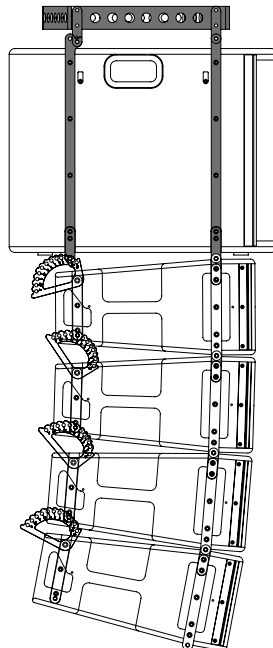
STACKING N18W WITH N208

FR-X18 + FR-X208



FLYING N18W WITH N208

TA-X208R + KR-18T



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.

