Nd — LIGHT NEODYMIUM COMPONENTS

CARBON FIBER CONE

REAR PANEL TOUCHSCREEN GUI OPERATION

INTEGRATED POWER & CONTROL WITH MULTIPLE PRESETS

HIGH RESISTANCE POLYUREA® FINISH

EASY RIGGING & INSTALLATION ACCESSORIES

The most compact active system in the NÍTID series. The 6" single woofer and 1" diaphragm driver configuration is housed in an enclosure of minimal dimensions, enabling its application in all kinds of installations that demand the highest sound quality from a loudspeaker system with the most discreet possible form factor.

KEY FEATURES

TRANSDUCER TECHNOLOGY

Two-way full range active speaker system comprising a direct radiating 1.5-inch voice coil, neodymium magnet 6" loudspeaker and a 1-inch voice coil diameter, PEN diaphragm neodymium magnet compression driver loaded to a 70º x 70º dispersion horn.

AMPLIFICATION

Onboard 250 W 3rd generation Class D bi-amplification.

Universal switch mode power supply (SMPS) with Power Factor Correction (PFC), allowing constant power delivery from 85 to 265 VAC input and high efficiency (>90%), with extremely compact lightweight form factor.

Automatic EcoMode low power consumption mode when no signal input present.

Connectors mounted on an inclined, recessed moulded connector plate for improved security and environmental protection.

Double PowerCon® connectors (input & link).

ADVANCED DSP SYSTEM CONTROL

Onboard 64-bit precision DSP loudspeaker system control manages amplifier gain and cross-over settings, peak and thermal limiters and mutes. Includes adjustable 294 ms / 100 m delay line for extensive alignment delay and 5-band fully configurable parametric EQ.

High order FIR filtering ensures fully phase coherent PEQ adjustment and absolute phase alignment of common cabinet coupling.

Extensive R&D'd factory presets provide instantaneous system configuration for common applications, including point-source PA, speech and subwoofer coupling.

ALC (Adaptive Loudness Compensation) improves the listening experience when the system is used at low volume levels.

Operation and monitoring of system parameters, presets and user-adjustments is via Amate Audio's unique rear-panel 3.5" TFT colour touchscreen GUI. The front-panel Nítid backlit logo can be switched on or off, or set to indicate system limiting.

DESIGN & ACCESSORIES

Exclusive 1.5mm black mesh speaker grille with optimum perforation gradient and attractive appearance.

Multilayer birch plywood cabinet with Polyurea® coating, providing maximum robustness and strength for touring events production, venue installation and other highly demanding applications.

M8 rigging points for easy flying.

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

S6

6" TWO-WAY ACTIVE FULL-RANGE SPEAKER SYSTEM

NíTiD

amate audio

TECHNICAL FEATURES

Amplifier (program)		200 W (LF) + 50 W (HF) Class D Bi-amplified
Input Sensitivity		8 dBu – 1.94 V
Input Impedance		50 kΩ Balanced
Mains		Universal Switch Mode Power Supply 85-265 V/ 45-65 Hz
Average current draw		0.5 A (Heavy duty musical program)
SPL(1m)		115 dB musical program, 118 dB peak
Built-in DSP		64-bit processing unit. Includes factory presets
AD/DA converters		24 bit – 48 kHz
Standby mode consumption		3.7 W @230VAC
Adjustable delay line		294 ms / 100 m
Crossover frequency		2k9 Hz
Frequency response (-10dB)		62 Hz – 20 kHz
Components	LF-MF	6" neodymium woofer with carbon fiber cone (1.5" voice coil)
	HF	1" PEN diaphragm neodymium magnet compression driver
Directivity (-6dB)		70º x 70º
Directivity factor (Q)		12.6
Directivity Index (DI)		11 dB
Weight		6.2 Kg
Dimensions (HxWxD)		370 x 220 x 226 mm
Finish		Multilayer baltic birch plywood with high resistant black Polyurea® coating
Grille		1.5 mm powder coated steel with black acoustic mesh
Rigging		M8 points
Connectors		1x XLR input / 1x XLR link / 1x AC PowerCon® input / 1x AC PowerCon® link
Available colors		Black and white

TOUCHSCREEN CONTROL

Amate Audio's latest generation DSP System management is integrated with 3rd generation Class D amplification. Colour touchscreen operation and monitoring of DSP System includes access to powerful presets - engineered by Amate Audio R&D team – that instantly configure your Nítid loudspeaker for the majority of common application environments within seconds, prior to rigging or installation.

TOP VIEW

BOTTOM VIEW
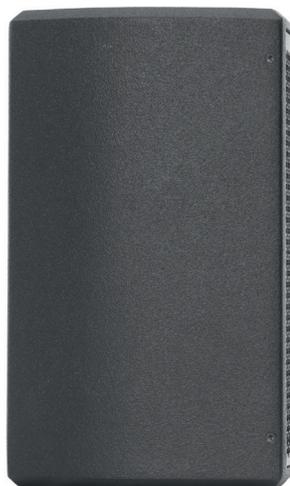
SIDE VIEW

FRONT VIEW

REAR VIEW

S6

6" TWO-WAY ACTIVE
FULL-RANGE SPEAKER SYSTEM

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FREQUENCY RESPONSE 1w/1m (FLAT PRESET)

HORIZONTAL COVERAGE
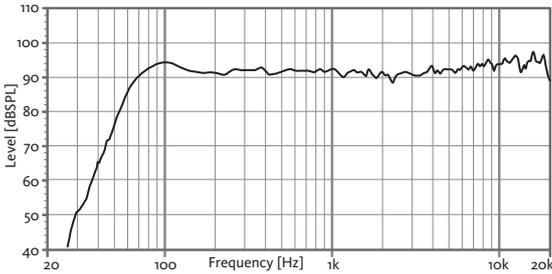
DIRECTIVITY INDEX (DI)
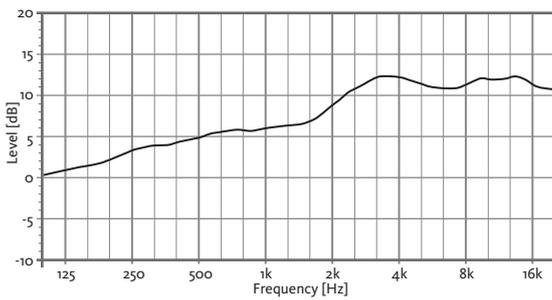
VERTICAL COVERAGE

HORIZONTAL & VERTICAL BEAMWIDTH (-6dB point)

HORIZONTAL   VERTICAL

CAD DRAWING SCHEME

220 mm

370mm

226 mm
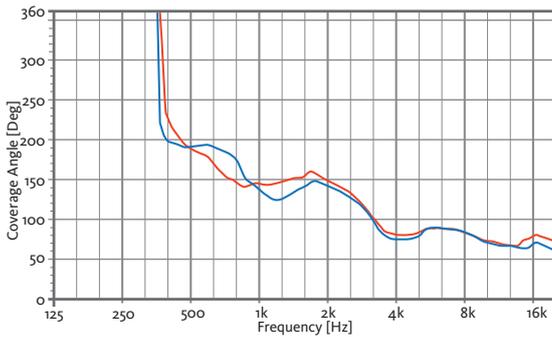
BUILT-IN PRESETS
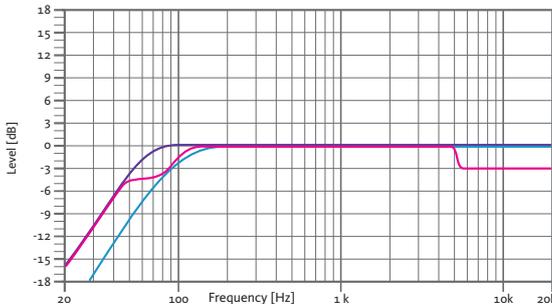
FLAT
Flat response

SPEECH
Vocal use

HPF90
HPF 90 Hz

NíTiD

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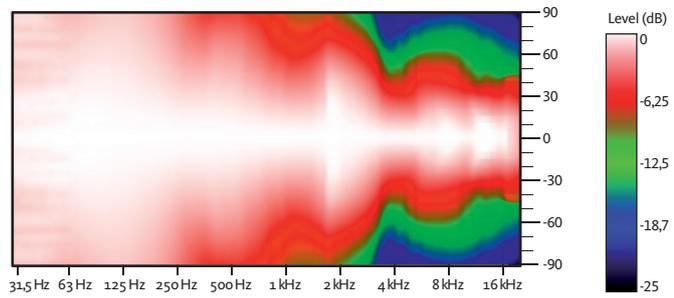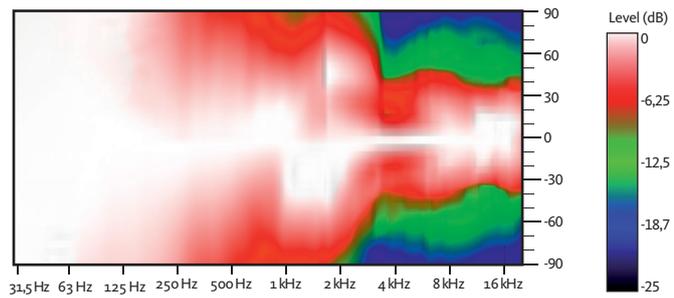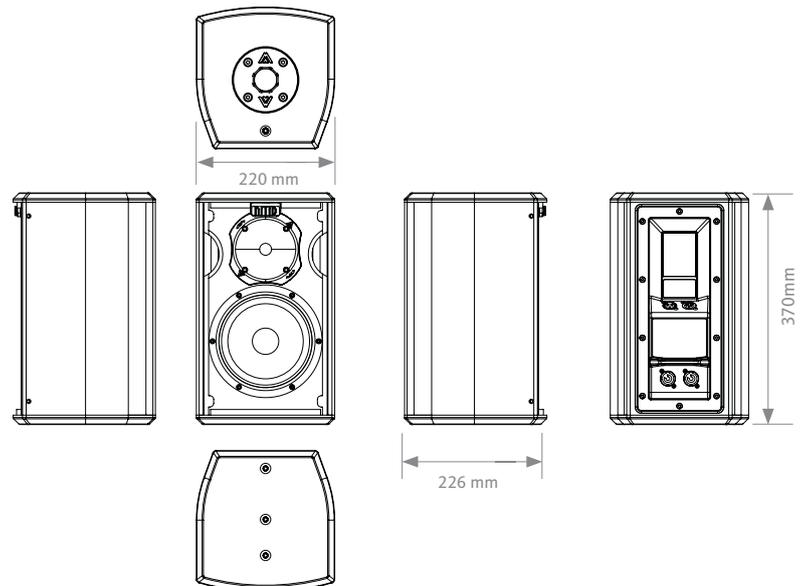
ACCESSORIES

FLYING BAR
HR-S

FLYING BAR
WITH HOOK
HR-S/GT

TELESCOPIC
DISTANCE ROD
SP-CRTL
ø: 35 mm
Length:
55 cm ~ 90 cm
Thread: M20

SAFETY SLING
SC-15

WALL MOUNT
BRACKET
SP-6N

WALL-MOUNT
BRACKET
SP-WHR

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. 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.

VERTICAL TRUSS-MOUNT
HR-S/GT + SC-15
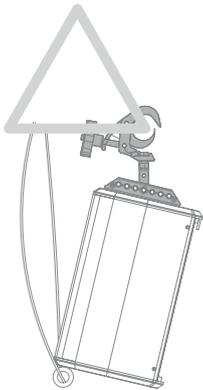
VERTICAL WALL-MOUNT
SP-6N + SC-15
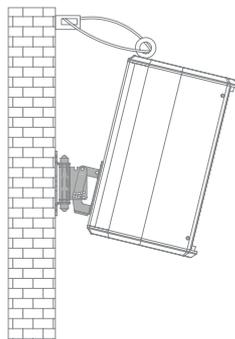
VERTICAL COLUMN-MOUNT
HR-S + SC-15
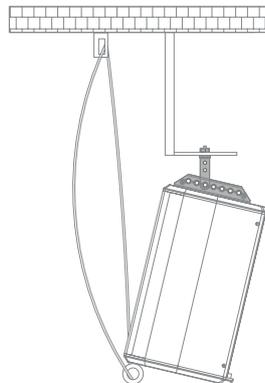
VERTICAL WALL-MOUNT
SP-WHR + SC-15