

S10

10" TWO-WAY ACTIVE
FULL-RANGE SPEAKER SYSTEM

Nítid-S



LIGHT
NEODYMIUM LF



ASYMMETRICAL
DISPERSION
HORN



VERSATILE FoH PA
& STAGE MONITOR
SYSTEM



REAR PANEL
TOUCHSCREEN GUI
OPERATION



INTEGRATED POWER &
CONTROL WITH MULTIPLE
PRESETS



HIGH RESISTANCE
POLYUREA® FINISH &
PROTECTIVE RUBBER PROFILES



EASY RIGGING &
INSTALLATION ACCESSORIES

Nothing speaks power to form like the Nítid S10. The diminutive, high performance, aesthetically attractive two-way design takes several developmental strides ahead of its popular N10 progenitor. A new driver and asymmetrical horn are matched with new levels of operability and performance from the S-series' colour touchscreen operated FIR enhanced, 64-bit DSP control platform. With all this extra punch, and improved styling, the S10 maintains the same unique low weight / size to high power / output ratio.

KEY FEATURES

TRANSDUCER TECHNOLOGY

Two-way, full range active loudspeaker system comprising a direct radiating 2.5-inch voice coil, neodymium magnet 10" loudspeaker and one 1.4-inch voice coil diameter, polyester diaphragm driver loaded to an asymmetrical rotational horn (50° to 100° x 55° dispersion).

AMPLIFICATION

Onboard 600 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, floor monitoring, 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

Recessed ergonomic carry handles for easy handling.

Asymmetric trapezoidal form for PA or floor monitor application.

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

Multilayer birch plywood cabinet with Polyurea® coating and protective rubber profiles, 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.

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TECHNICAL FEATURES

Amplifier (program)	500 W (LF) + 100 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	1.7 A (Heavy duty musical program)
SPL (1m)	125 dB musical program, 128 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	2k1 Hz
Frequency response (-10dB)	55 Hz – 19 kHz
Components	<div> <div>LF - MF</div> <div>HF</div> </div> 10" neodymium woofer (2.5" voice coil) 1.4" polyester diaphragm driver
Directivity (-6dB)	50° to 100° (H) x 55° (V)
Directivity factor (Q)	12.6
Directivity Index (DI)	11 dB
Weight	15 Kg
Dimensions (HxWxD)	543 x 313 x 358 mm
Finish	Multilayer baltic birch plywood with high resistant black Polyurea® coating and protective rubber profiles
Grille	1.5mm 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

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 Nitid 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

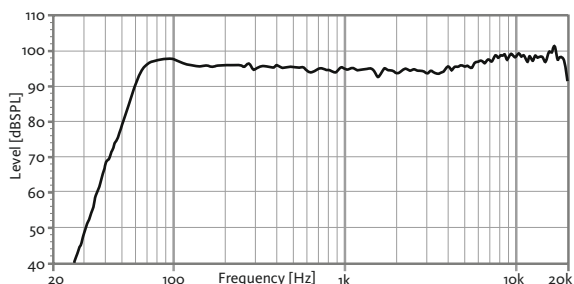
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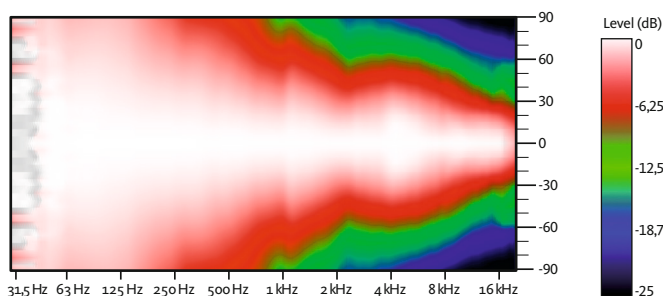
NiTiD-S



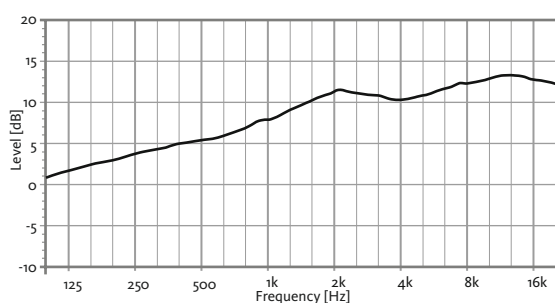
FREQUENCY RESPONSE 1W/1m (FLAT PRESET)



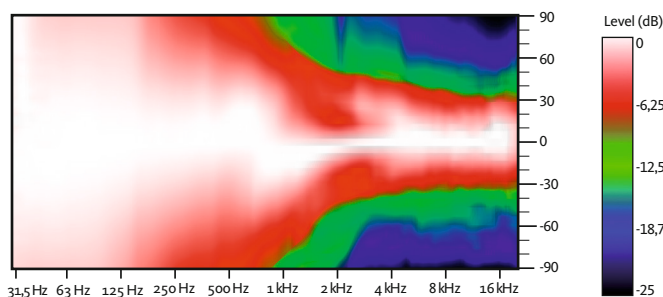
HORIZONTAL COVERAGE



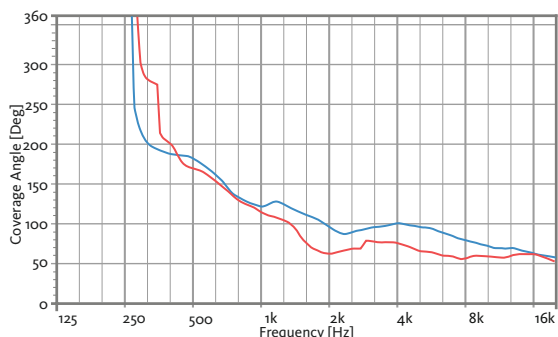
DIRECTIVITY INDEX (DI)



VERTICAL COVERAGE

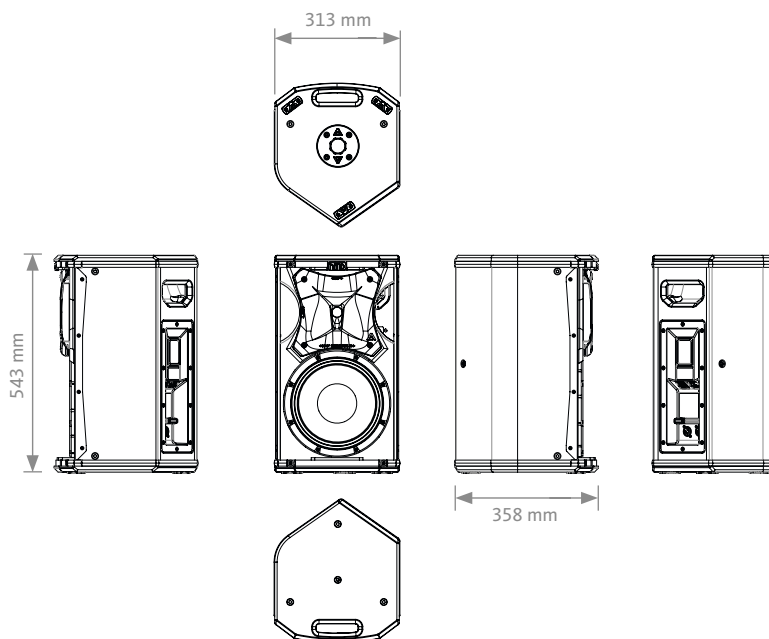


HORIZONTAL & VERTICAL BEAMWIDTH (-6dB point)

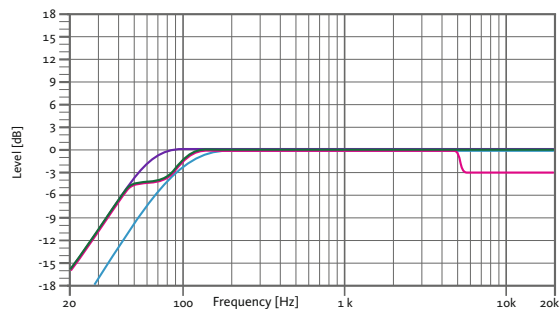


HORIZONTAL VERTICAL

CAD DRAWING SCHEME



BUILT-IN PRESETS



FLAT

Flat response

SPEECH

Vocal use

HPF90

HPF 90 Hz

MONITOR

Stage monitor use

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ACCESSORIES

**FLYING BAR
WITH HOOK**
RB-S/GT



**WALL-MOUNT
BRACKET**
SP-WHR



FLYING BAR
RB-S



**WALL MOUNT
BRACKET**
UB-L



**PROTECTION
COVER**
NC-S10



**M8 RIGGING
EYEBOLT**
ACR-M8



SAFETY SLING
SC-15



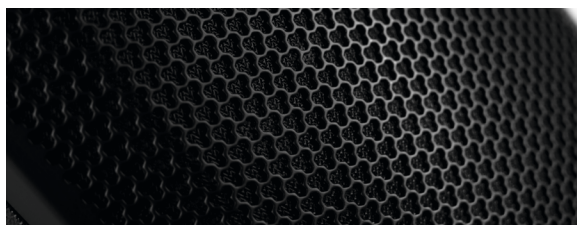
FLIGHT CASE
FC-S10
for two units of S10



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



DISCOVER NÍTiD



UNIQUE DESIGN

New S-series models build on the success, innovation and best-in-class performance of the original Nítid designs with improved features including a recessed moulded connector plate, more highly stylised form factor and improved robustness of the world's most acoustically transparent pro-audio speaker grille.

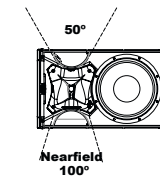
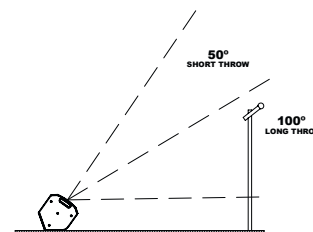
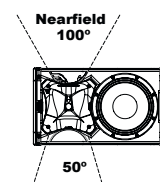
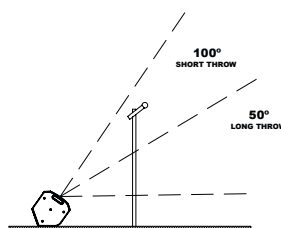
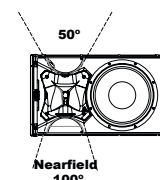
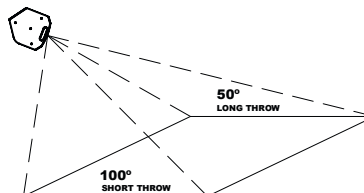
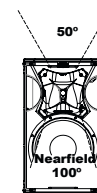
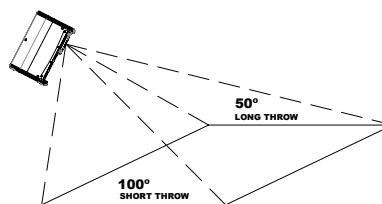


THE PERFECT BALANCE

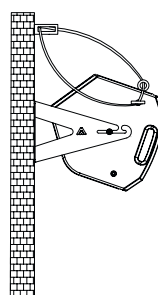
An ongoing programme of research and development ensures that Nítid series loudspeakers continue to achieve the highest levels of output and performance from the most compact sized designs, in an unrivalled synthesis of engineering and aesthetic form.

ASYMMETRICAL DISPERSION HORN

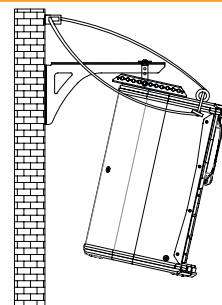
It allows to optimize the coverage depending on its position.



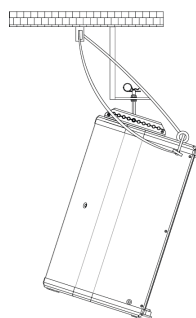
HORIZONTAL WALL-MOUNT
UB-L + SC-15



VERTICAL WALL-MOUNT
SP-WHR + SC-15



VERTICAL COLUMN-MOUNT
RB-S + SC-15



VERTICAL TRUSS-MOUNT
RB-S/GT + SC-15

