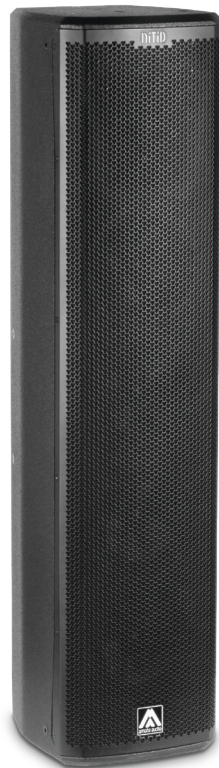


# S46P

4x 6" TWO-WAY PASSIVE FULL-RANGE COLUMN SPEAKER SYSTEM

# NITID-S



LIGHT NEODYMIUM COMPONENTS



CARBON FIBER CONE



ASYMMETRICAL DISPERSION HORN



DEDICATED CONTROL PRESETS with external Amate Audio DSP processors & processing amplifiers



HIGH RESISTANCE POLYUREA® FINISH



EASY RIGGING & INSTALLATION ACCESSORIES

Full range, high-fidelity signal reproduction with exceptional LF response. The S46P provides high intelligibility, musicality and 126 dB continuous SPL, for unrivalled coverage in all kinds of large and medium auditoria and entertainment venues.

## KEY FEATURES

### TRANSDUCER TECHNOLOGY

Two-way, full range passive loudspeaker system comprising four direct radiating 1.5-inch voice coil, neodymium magnet 6" loudspeakers and one 1.4-inch voice coil diameter, polyester diaphragm, compression driver loaded to an asymmetrical rotational horn (50° to 100° x 55° dispersion).

### POWER & CONTROL

800 W continuous musical program power handling.

An accurate internal passive crossover achieves optimum performance with high levels of protection for the high frequency driver.

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

Double Speakon NL4MP® (input & link).

Dedicated control presets available with Amate Audio LMS series DSP processors and TPD series processing amplifiers.

### DESIGN & ACCESSORIES

Recessed ergonomic carry handle for easy handling.

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.

# S46P

4x 6" TWO-WAY PASSIVE FULL-RANGE COLUMN SPEAKER SYSTEM

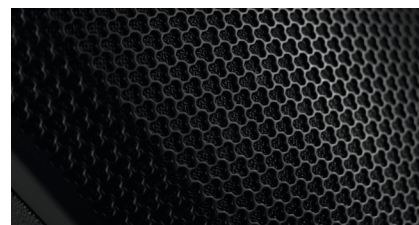
# NiTiD-S



## TECHNICAL FEATURES

Power (musical program)	800 W
Power (r.m.s)	400 W
Nominal Impedance	8 $\Omega$
SPL (1W/1m)	97 dB
Maximum SPL (continuous/1m)	126 dB
Maximum SPL (peak/1m)	129 dB
Crossover frequency	1k8 Hz
Frequency Response (-10dB)	50 Hz – 19 kHz
Components	LF-MF HF
	4x 6" neodymium woofers with carbon fiber cone (1.5" voice coil) 1.4" polyester diaphragm compression driver
Directivity (-6dB)	50° to 100° (H) x 55° (V)
Directivity factor (Q)	12.6
Directivity Index (DI)	11 dB
Weight	19.7 Kg
Finish	Multilayer baltic birch plywood with high resistant black Polyurea® coating
Dimensions (H x W x D)	1056 x 250 x 274 mm
Grille	1.5 mm powder coated steel with black acoustic mesh
Rigging	M8 points
Connectors	1x Speakon NL4MP input / 1x Speakon NL4MP link

## DISCOVER NiTiD



### UNIQUE DESIGN

New S-series models build on the success, innovation and best-in-class performance of the original NiTiD 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 NiTiD 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.



TOP VIEW



BOTTOM VIEW



SIDE VIEW



FRONT VIEW



REAR VIEW

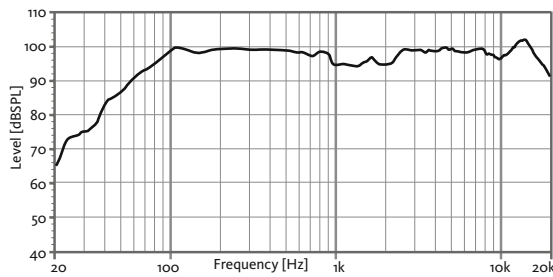
# S46P

4x 6" TWO-WAY PASSIVE FULL-RANGE COLUMN SPEAKER SYSTEM

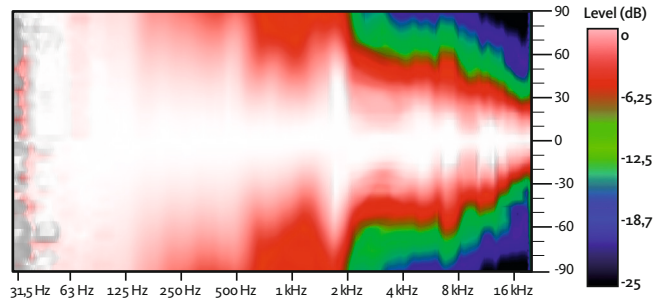
# NiTiD-S



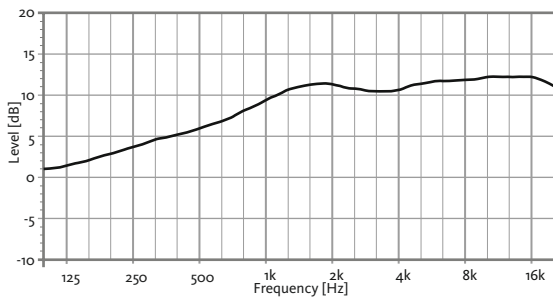
## FREQUENCY RESPONSE 1W/1



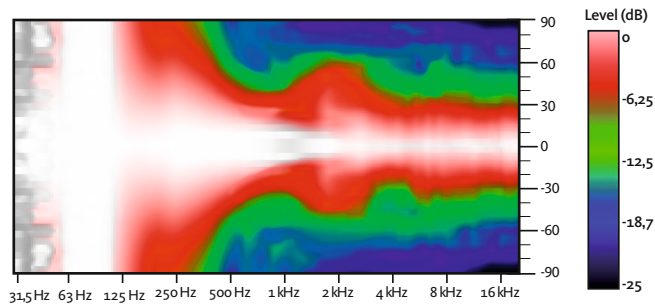
## HORIZONTAL COVERAGE



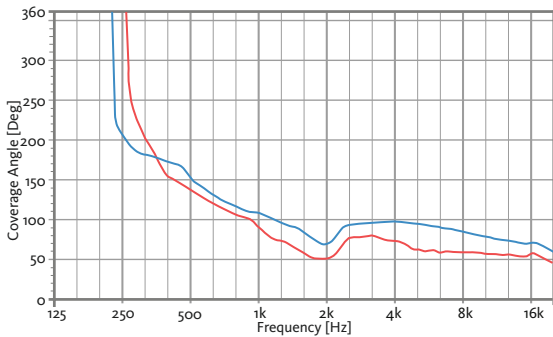
## DIRECTIVITY INDEX (DI)



## VERTICAL COVERAGE

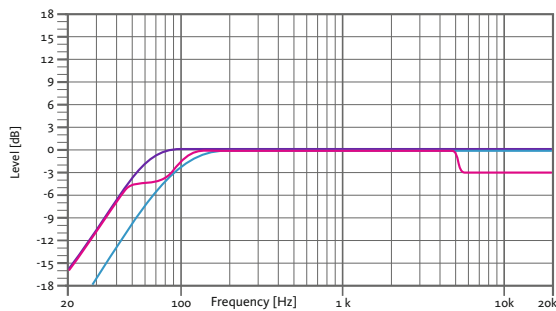


## HORIZONTAL & VERTICAL BEAMWIDTH (-6dB point)



HORIZONTAL VERTICAL

## RECOMMENDED PRESETS with external Amate Audio DSP

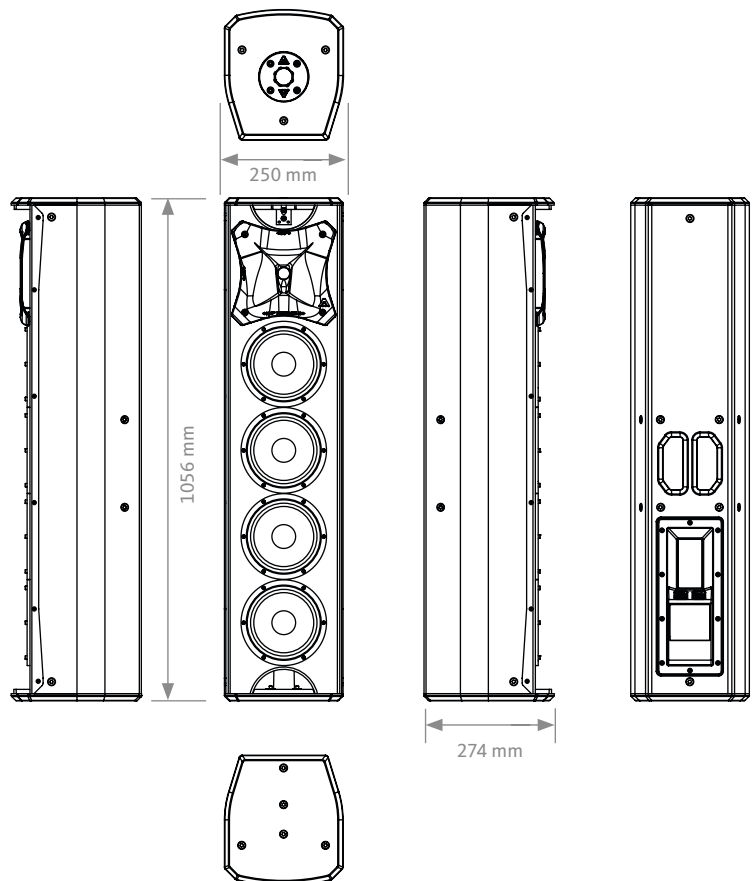


**FLAT**  
Flat response

**SPEECH**  
Vocal use

**HPF90**  
HPF 90 Hz

## CAD DRAWING SCHEME



# S46P

4x 6" TWO-WAY PASSIVE FULL-RANGE COLUMN SPEAKER SYSTEM

# NiTiD-S



## ACCESSORIES

**TRANSPORT COVER**  
NC-S46



**WALL MOUNT BRACKET**  
SP-46N



**WALL-MOUNT BRACKET**  
SP-WHR



**FLYING BAR**  
RB-S



**SAFETY SLING**  
SC-15



**M8 RIGGING EYEBOLT**  
ACR-M8



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



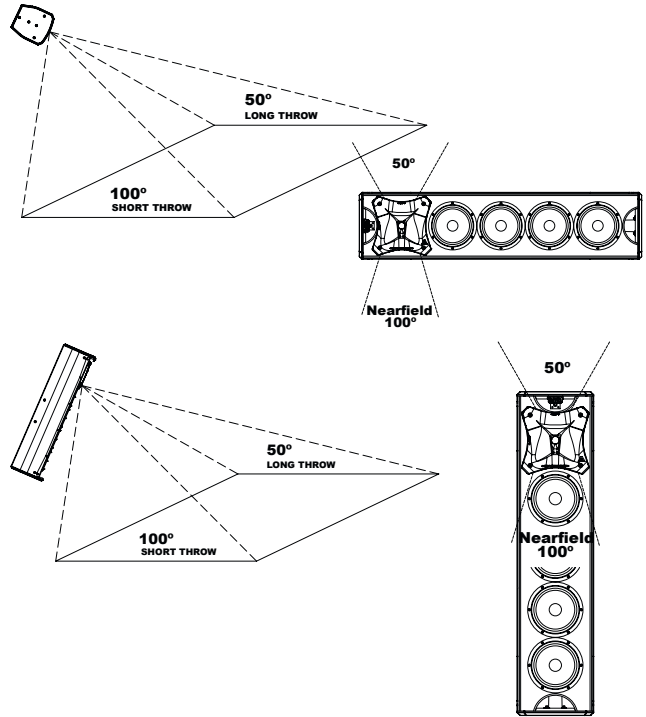
**TELESCOPIC DISTANCE ROD**  
SP-CRTL

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



## ASYMMETRICAL DISPERSION HORN

It allows to optimize the coverage depending on its position.



## RECOMMENDED CONFIGURATION

### FOR S46P (2 units)

Connect each cabinet output of the amplifier LEFT/RIGHT to each cabinet using two independent wires

### FOR S46P (4 units)

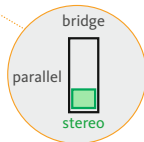
Connect the amplifier's output to the Speakon's input of the first cabinet. Then, make a bridge from the first cabinet to the second one. This configuration allows you to connect up to four cabinets to the same amplifier.



LMS206 / LMS608

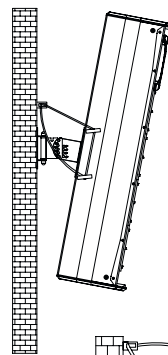


HD3200 Stereo mode

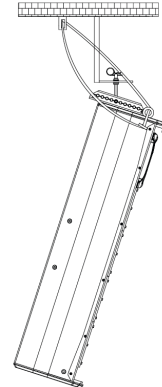


S46P S46P S46P S46P

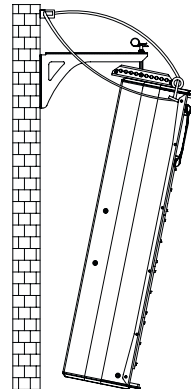
### VERTICAL WALL-MOUNT SP-46N + SC-15



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



### VERTICAL WALL-MOUNT SP-WHR + SC-15



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

