LA SERIES

SY5

2-WAY PASSIVE COLUMN LOUDSPEAKER

Six 5-inch midrange drivers
and three 1.75-inch HF drivers.

137 dB
REFERENCE MAXIMUM SPL

21 kg
NET WEIGHT

PRODUCT DETAIL



SY5

A passive colinear source with wide horizontal coverage and controlled vertical dispersion



A single column combines six midrange drivers with three HF compression drivers for speech and music reinforcement.

6 × 5"

MIDRANGE DRIVERS

Six cone drivers in a bass-reflex cabinet provide the midrange foundation.

3 × HF

COMPRESSION DRIVERS

Three 1.75-inch HF diaphragms couple through progressive waveguides.

140°

HORIZONTAL COVERAGE

The vertical pattern spans +5° to −21° for a nominal 26° vertical opening.

SY5 cabinet views

Original product imagery and technical profiles of the reference enclosure

FRONT PERSPECTIVE



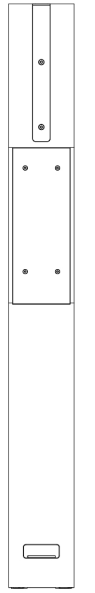
Coated steel grille
Acoustically neutral 3D fabric

SIDE PROFILE



Slim enclosure profile
Progressive vertical geometry

REAR PROFILE



Two integrated rigging inserts
Top M8 secondary safety point

Bandwidth and output

Standalone enclosure ratings with the matching reference controller setup



White finish reference

Operating bandwidth

USABLE BANDWIDTH (−10 dB)

87 Hz – 20 kHz

ENCLOSURE DESIGN

2-way passive

137 dB
REFERENCE MAXIMUM SPL

8 Ω
NOMINAL IMPEDANCE

1 ch
PASSIVE ENCLOSURE DRIVE

Reference peak SPL: 1 m, free field, pink noise CF4, with the matching controller preset on LA4X / LA12X.

Horizontal and vertical coverage

A wide horizontal pattern with an asymmetric vertical opening

140°

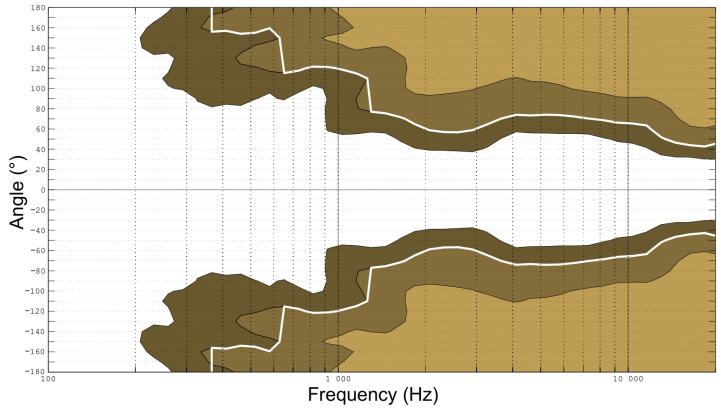
HORIZONTAL COVERAGE

The colinear arrangement combines wide horizontal coverage with a controlled vertical radiation pattern.

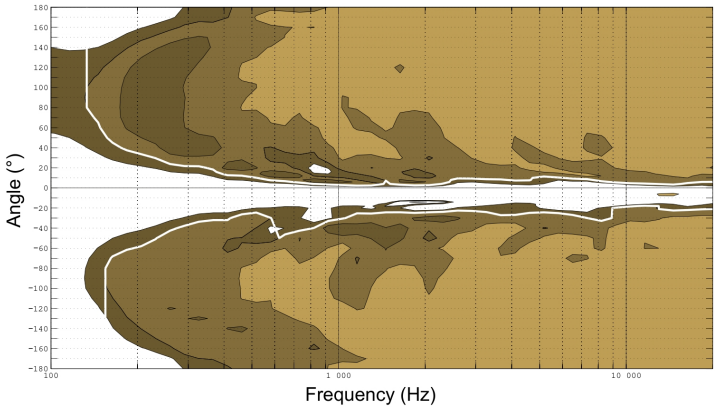
+5° upward / −21° downward
Nominal directivity at −6 dB

OFFICIAL DIRECTIVITY ISOBARS

HORIZONTAL



VERTICAL



The diagrams show dispersion as frequency changes.
The vertical pattern directs more coverage below the acoustic axis.

Original reference-model dispersion diagrams at −3 dB, −6 dB and −12 dB.

Colinear acoustic architecture

Six midrange drivers and three HF drivers share a passive two-way enclosure

DRIVER ARRANGEMENT



6 × 5-inch
MF cone drivers

3 × 1.75-inch
HF diaphragms

Passive
2-way network

CABINET

Baltic beech and birch plywood

MF ACOUSTICAL LOAD

Bass-reflex with L-Vents

HF ACOUSTICAL LOAD

DOSC waveguides and L-Fins

FRONT

Coated grille / neutral 3D fabric

FINISH / PROTECTION

Dark grey brown / white / RAL
IP54 reference enclosure

SY5 reference dimensions

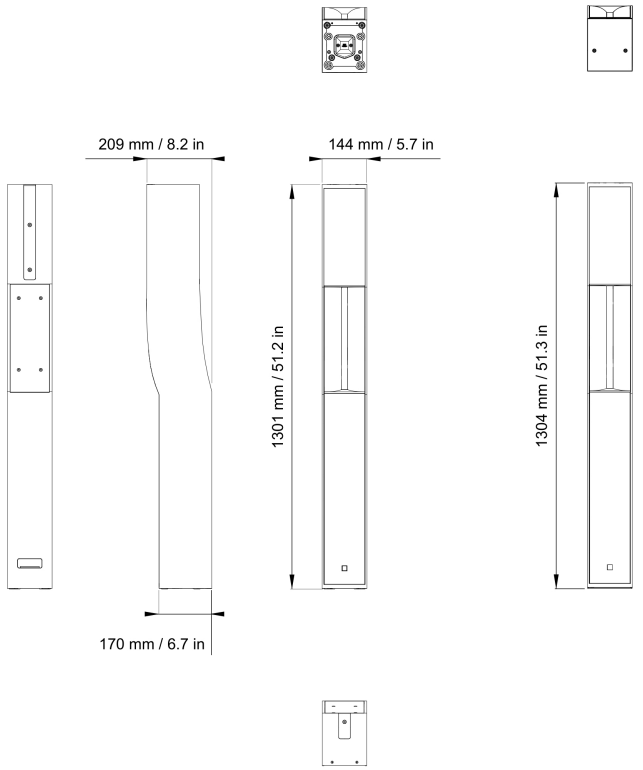
Official enclosure dimensions and net weight

1301 mm
CABINET HEIGHT

144 mm
WIDTH

209 mm
DEPTH

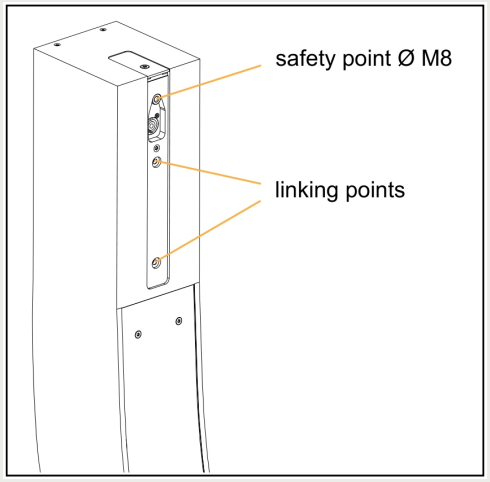
21 kg
NET WEIGHT

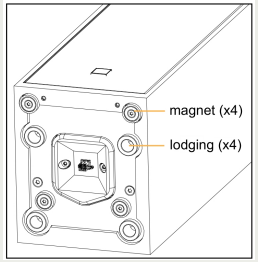


H 1301 × W 144 × D 209 mm cabinet profile.
The official dimension drawing also gives an overall height of 1304 mm.

Mounting and handling interfaces

Dedicated mounting inserts and a separate secondary safety point





REAR AND BOTTOM INTERFACES

2

REAR RIGGING INSERTS

The rear interfaces connect to the dedicated wall, pole and flying hardware.

M8

SECONDARY SAFETY POINT

The top insert accepts a DIN580 eye bolt for the secondary safety attachment.

35 mm

POLE-MOUNT ADAPTER

The reference pole adapter fits a 35 mm loudspeaker stand or pole.

Use the dedicated hardware and the installation procedure for the selected mounting method.

Speech and music applications

Reference-system installations in conference, hospitality and worship environments



CONFERENCE ROOMS

Speech reinforcement with limited visual impact



HOSPITALITY

Music reinforcement for lounges and live venues



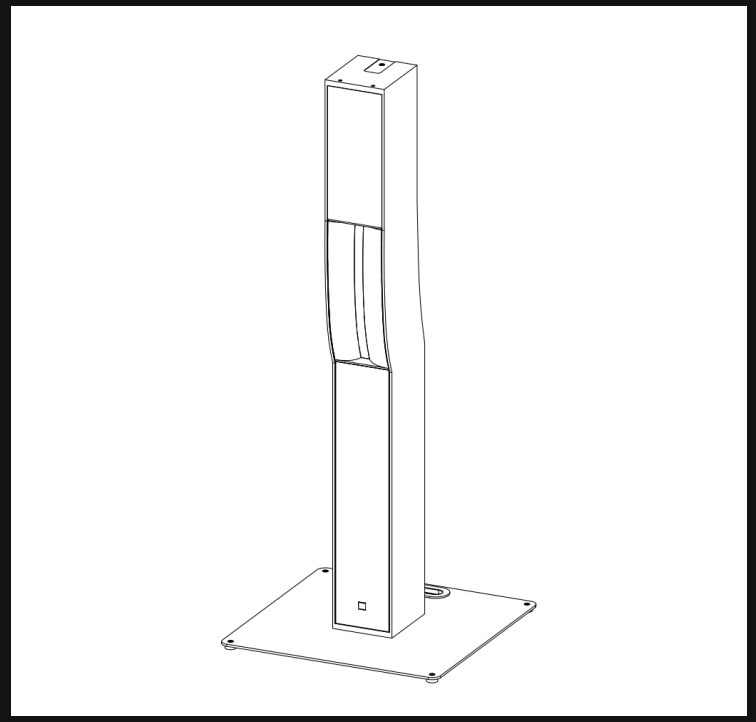
HOUSES OF WORSHIP

Controlled coverage for speech and music

Reference installation photographs show the original manufacturer’s systems and wider venue equipment.

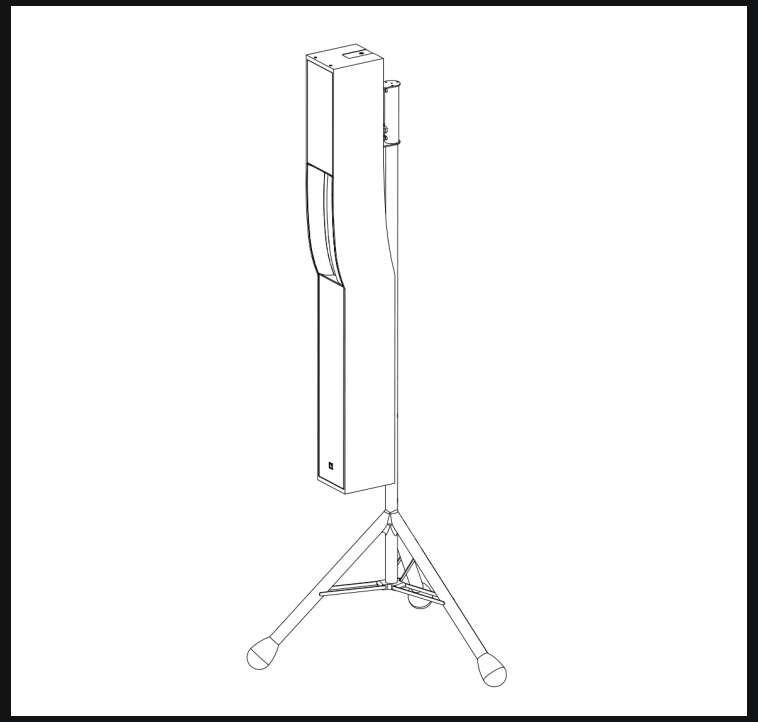
Standalone deployment options

Ground, pole and suspended configurations using dedicated mounting accessories



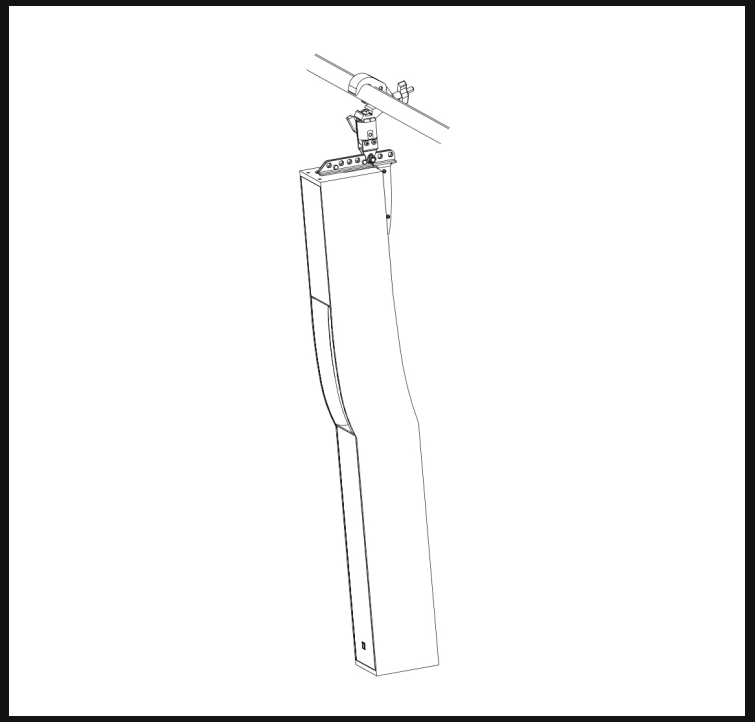
GROUND SUPPORT

Baseplate secured to the enclosure



POLE MOUNT

Dedicated adapter for a 35 mm pole



FLOWN RIGGING

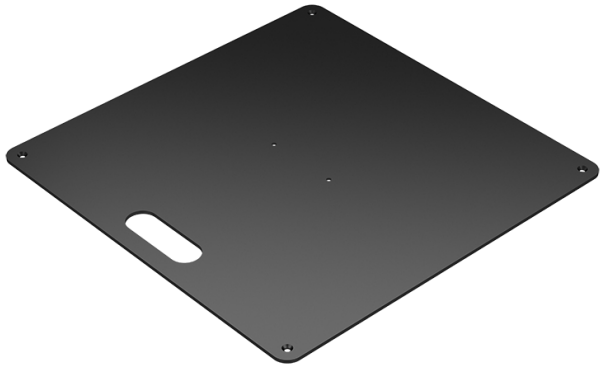
Rigging bar with optional truss clamp

Original reference-model mounting illustrations. Suspension requires the dedicated secondary safety attachment.

Baseplate, wall mount and pole adapter

Original accessory images for the reference enclosure platform

01



BASEPLATE

Stable support for a ground deployment.

02



WALL MOUNT

Dedicated bracket for wall installation.

03



POLE ADAPTER

Interface for a 35 mm pole or stand.

Hardware is shown as a reference. Accessory selection follows the intended installation and enclosure interface.

Rigging bar and protective cover

Original reference accessories for suspension and transport



Rigging bar

Seven tilt positions from +5° to −10°.
Optional clamp for truss attachment.
Separate secondary safety point.



Protective cover

Reinforced front protects the grille and fins.
Shoulder strap and carrying handle.
Storage pouch for removed plates.

Reference accessories. The cover protects the column enclosure during handling and transport.

Amplification and connection reference

Passive two-way drive with a matching amplified controller and loudspeaker preset

AMPLIFIED CONTROLLER



REFERENCE CONTROLLERS

LA2Xi / LA4X / LA7.16i / LA12X
with the matching loudspeaker preset.

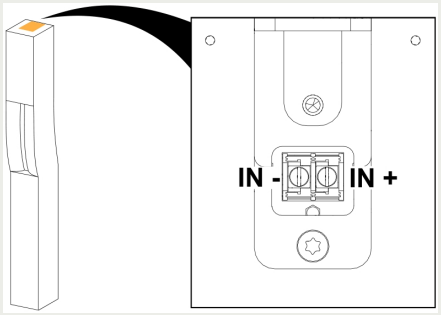
PASSIVE ENCLOSURE

One amplified signal feeds the passive network for the MF and HF sections.

CONTROLLER CAPACITY

The permitted number of enclosures depends on the controller model. Check its drive-capacity and cabling reference for the chosen configuration.

FIXED INSTALL INPUT



8 Ω nominal load.
Use one input type at a time. Restore the terminal cover and gasket after wiring.

REFERENCE INPUT PIN ASSIGNMENT

Function	Reference pin
Positive	1+
Negative	1−
Unused	2+ and 2−
Screw terminal	IN+ / IN−

The 4-point speakON input uses 1+/1−.
Pins 2+/2− are not linked internally.
The screw terminal provides IN+ / IN−.

AutoConnect serves the optional LF system.
This page describes the standalone column.

SY5 specifications

Official reference-model acoustic, electrical, enclosure and mounting data

Model	SY5	**Reference design**	2-way passive enclosure
Bandwidth (−10 dB)	87 Hz – 20 kHz	**Maximum SPL**	137 dB peak[1]
Horizontal directivity	140°	**Vertical directivity**	+5° / −21°
MF drivers	6 × 5-inch cone	**HF drivers**	3 × 1.75-inch diaphragm
MF acoustical load	Bass-reflex, L-Vents	**HF acoustical load**	DOSC waveguides, L-Fins
Nominal impedance	8 Ω	**Amplification**	External amplified controller
Dimensions (H/W/D)	1301 × 144 × 209 mm	**Net weight**	21 kg
Speaker input	1 × 4-point speakON	**Fixed install input**	1 × 2-point screw terminal
System interface	AutoConnect	**IP rating**	IP54
Cabinet	Baltic beech / birch plywood	**Front**	Steel grille + neutral 3D fabric
Standard finish	Dark grey brown, Pantone 426 C	**Other finishes**	White RAL 9010 / custom RAL
Rigging interfaces	2 integrated inserts	**Secondary safety**	DIN580-compatible M8 insert

[1] Reference peak SPL at 1 m, free field, pink noise CF4, with the matching controller preset.
Cabinet profile height: 1301 mm. The official dimension drawing also specifies 1304 mm overall height.