

RL 206 SN A

Directional Speaker with Supercardioid Pattern



 **rlseries**

Technical Data

The RL 206 SN A is an active 2-way directional speaker with a supercardioid pattern for targeted acoustic irradiation in rooms with difficult acoustics. By delivering strong directivity across the entire frequency range, the RL 206 SN A primarily focuses sound on the listening zone and only causes minimum reverberation when sound is reflected from walls and the ceiling. As a result, it reproduces music and speech very purely and clearly, even in rooms with long reverberation times. Due to the way it is designed, the RL 206 SN A has limited low-frequency characteristics. As a result, additional subwoofers should be used to compensate for this when playing music.

The RL 206 SN A delivers outstanding results when used on stages. Positioning two RL 206 SN A speakers to the left and right of the stage enables microphones to be operated easily with minimum feedback. The woofers are driven by a 200-watt class D amplifier; the tweeter by an 80-watt D-Mos amplifier. Due to the switchable low-cut filter (50/110 Hz), the RL 206 SN A can be operated as a full-range speaker or a top unit with additional subwoofers.

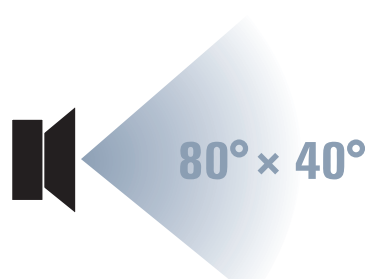
We recommend using the SUB 40 (A) or SUB 80 (A) subwoofer to supplement the bass range.

Key Features

- Active 2-way directional speaker with supercardioid pattern
- 2×6.5" driver + 1" dome tweeter
- 200 watts + 80 watts power
- 80°×40° (H×V) nominal dispersion
- 92 Hz – 20 kHz frequency range
- 116 dB maximum SPL
- switchable low-cut @ 50/110 Hz
- Extensive mounting accessories

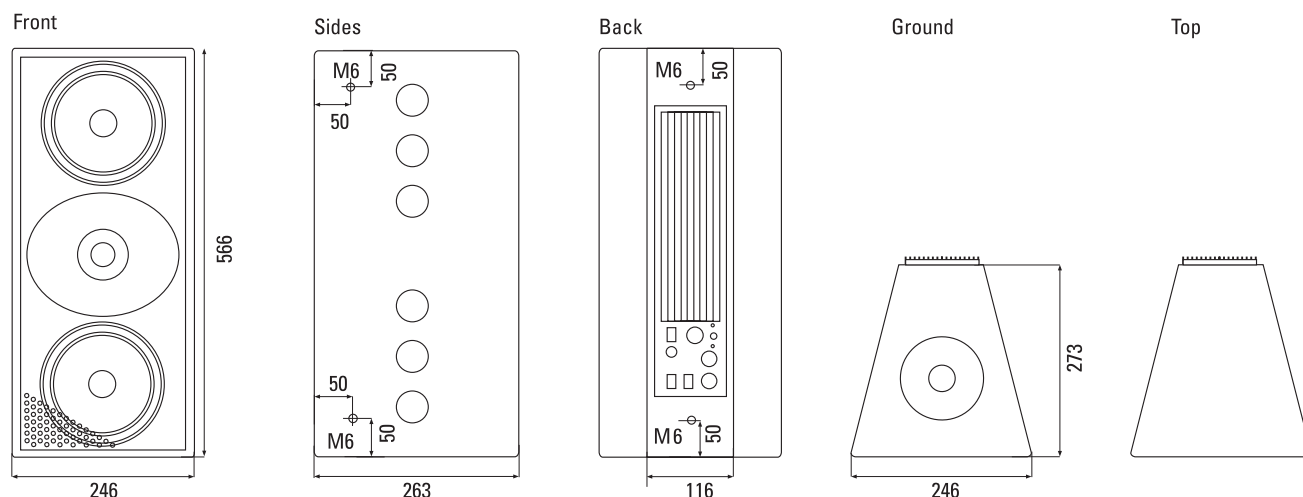
Fields of Application

- Clubs, discotheques
- Concert halls, theatres
- Conference rooms
- Gastronomy
- Large rooms, halls
- PA, mobile systems



RL 206 SN A Directional Speaker with Supercardioid Pattern

Dimensions RL 206 SN A



Technical Data

Principle	Active 2-way directional loudspeaker with supercardioid pattern and digital amplifier
Components	2 x 6.5" bass + 1" tweeter horn
Frequency range	92 ... 20,000 Hz
Amplifier output	Bass 200 watts, tweeter 80 watts
Sound pressure	116 dB max.
Dispersion angle (H x V)	80° x 40°
Dimensions (W x H x D)	246 x 566 x 273 mm
Weight	10.5 kg
Cabinet	Multiplex cabinet, textured paint, Pole socket, threaded inserts M 6 on side and at rear, front metal grille lined with foam
Connectors	Input XLR + Thru Out
Mains connection	Powercon, 230 V AC
Operational controls	Input-gain control, power On / Off, ground-lift low-cut filter 50 / 110 Hz switchable
Displays	LED On / Limit, LED fault
Warranty	5 years

Model

Order-No.

Version

RL 206 SN-A White	0905-0003	RAL 9016
RL 206 SN-A Black	0905-0004	RAL 9005

Other colours and models on request

Accessories

Order-No.

Version

UB 206 White	7114-0011	U-bracket
UB 206 Black	7114-0012	incl. mounting material



WH 350 White	7114-0028	Wall mount
WH 350 Black	7114-0029	



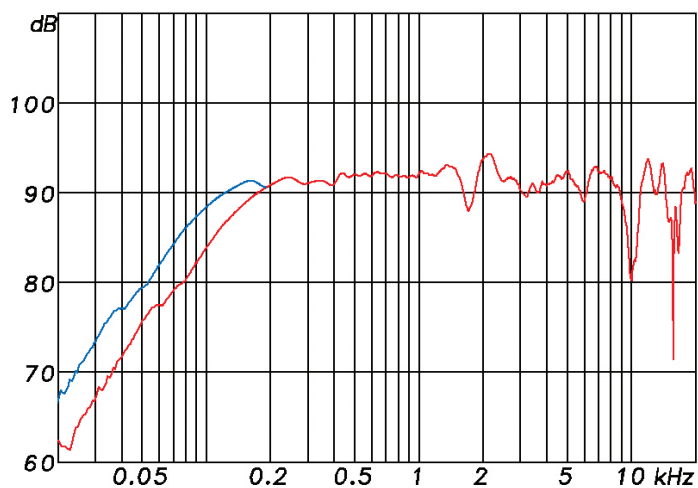
Amplifier section with operational controls

RL 206 SN A

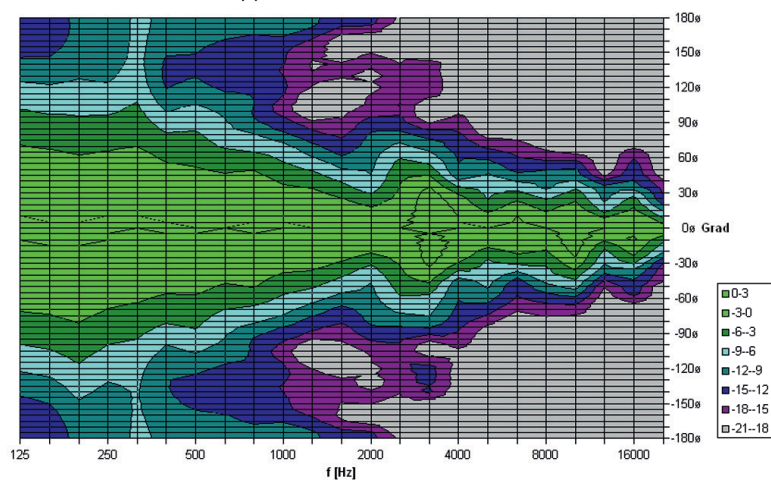
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Measuring Diagrams

RL 206 SN A Frequency response (low cut 50/110 Hz)



RL 206 SN A hor. directivity plot



RL 206 SN A vert. directivity plot

