



## RL 110 perZonic Directional Speaker with Automatic Volume Control



### Description

The actively controlled directional speaker RL 110 perZonic is a patented speaker system that has been developed for the targeted acoustic irradiation of confined listening areas with minimum sound escaping into the wider environment. The RL 110 perZonic is equipped with automatic volume control that adjusts the level of the signal to the ambient noise. This enables the speaker to reach the required volume in the listening zone even under different conditions and with fluctuating audience numbers. At the same time, it also ensures the level does not disrupt the quieter surroundings. This means that people in the listening zone can clearly hear the sound without causing disruption to personnel and visitors nearby. The RL 110 perZonic achieves this directed dispersion through a supercardioid pattern across the entire frequency range.

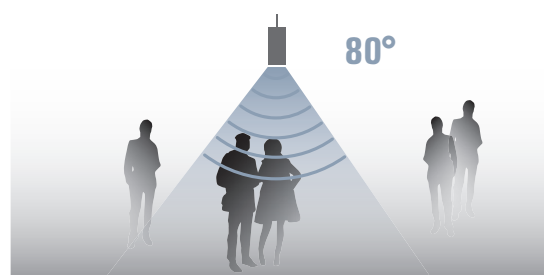
For optimum results, the distance between the speaker and listener should be as short as possible. The regulation can be set anywhere between 0 and 100 %, as can the attack and release times. The controls are located at the rear along with the mono-cinch input, volume control, the power LED and the connector for the external power supply. MP3 players and computers can be directly connected thanks to the high input sensitivity (-6 dBu).

### Key Features

- Active directional speaker with automatic volume control according to the ambient noise
- Supercardioid pattern
- 80° nominal dispersion
- 3" full-range driver
- 20 watts amplifier power
- Input mono-cinch
- Standard finish: white and black

### Fields of Application

- Exhibitions, trade fairs
- Museums
- Shops, sales rooms



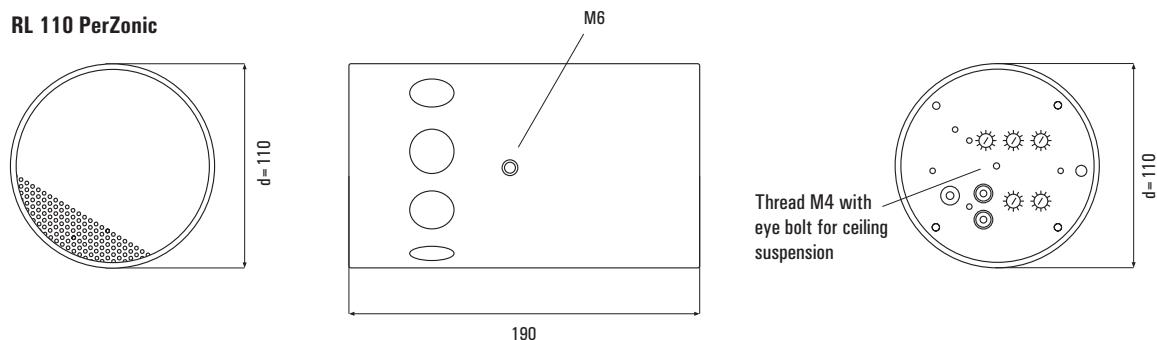
Minimum lateral sound radiation and a short distance allows focused acoustic irradiation to the visitors.

# RL 110 perZonic

## Directional Speaker with Automatic Volume Control

### Dimensions

RL 110 PerZonic



### Technical Data

Principle	Active fullrange directional speaker with automatic volume control according to ambient noise and supercardioid pattern
Components	3" full-range driver
Frequency range	190 Hz – 19 kHz
Amplifier output	20 watts
Maximum SPL	95 dB (1 W @ 1 m)
Nominal dispersion	80°
Power supply	230 VAC with plug-switch power supply (included in delivery)
Dimensions	d = 110 mm, l = 190 mm
Weight	1.4 kg
Fastening points	Suspension point at rear M4 with eye bolt, threaded insert M 6 laterally for optional wall mount WH 110
Connections	Input mono cinch
Input sensitivity	- 6 dBu for full modulation
Operational controls	Volume control, regulation 0 – 100 %, attack, release, LED Power ON
Warranty	5 years

### Model

### Versions

RL 110 PerZonic White

RAL 9016

RL 110 PerZonic Black

RAL 9005

Other colours and versions on request

### Accessories

WH 110 White



L-braket with assembly plate, rotatable/pivotable, incl. savety rope, RAL 9016

WH 110 Black



L-braket with assembly plate, rotatable/pivotable, incl. savety rope, RAL 9005

SR 300



Stainless steel rope for pendant mounting, lenght 3 m, thickness 1 mm, single-sided loop



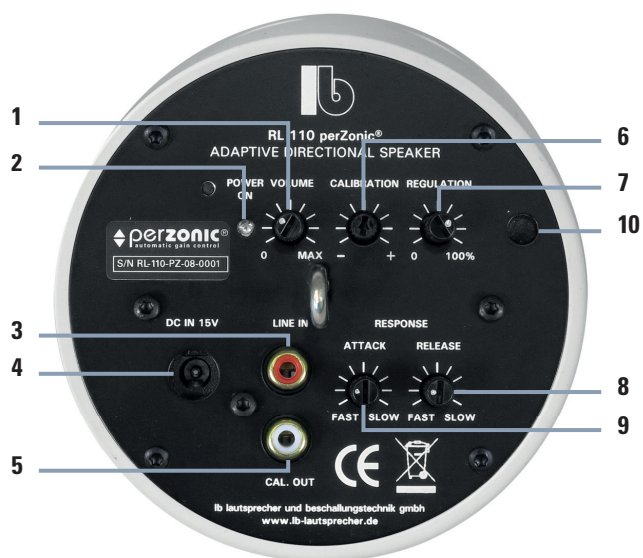
The reduction ratio (REGULATION), time response (ATTACK) and follow-up time can be controlled from 0 to 100 %.

The Mono-Cinch Input permits to connect MP-3 Players or Computers directly.

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## Directional Speaker with Automatic Volume Control

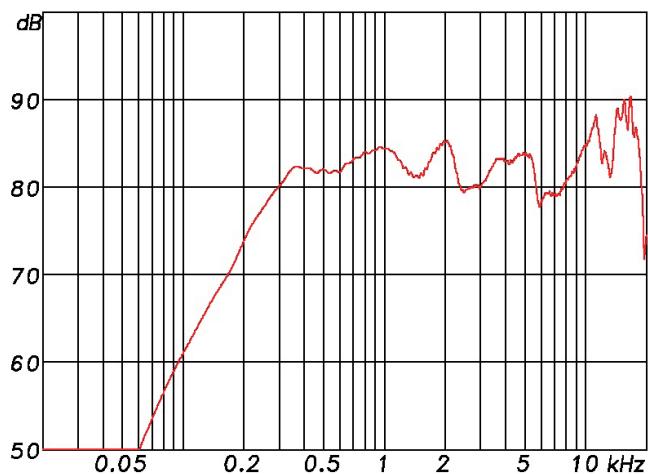
### Controls at Back



- 1 VOLUME
- 2 LED POWER ON
- 3 LINE IN (MONO)
- 4 DC IN 15V
- 5 CAL OUT
- 6 CALIBRATION
- 7 REGULATION
- 8 RELEASE
- 9 ATTACK
- 10 MICROPHONE

### Measuring Diagram

RL 110 perZonic frequency response



RL 110 perZonic Directivity Plot

