

## RL 110 AX

### Active Directional Speaker with Integrated Motion Sensor



 **rlseries**

#### Description

The RL 110 AX directional speaker features an integrated motion sensor and supercardioid pattern for the targeted acoustic irradiation of confined listening areas. The RL 110 AX switches itself on automatically as soon as anyone approaches it from the front. At the same time, an isolated contact closes and can then be used to control an external media player. A follow-up time of 1 – 1024 seconds can be set for the audio signal. If required, the RL 110 AX can also be switched to continuous operation.

The RL 110 AX has four operating modes:

- **PLAY FILE ONCE:** The entire audio file is played and can only be restarted once it is finished.
- **EXTEND PLAY:** Speaker activity is extended every time movement is detected.
- **ONLY SPEAKER SWITCHED:** Speaker operating time is controlled by the sensor; the isolated contact is permanently closed.
- **CONTINUOUS:** Permanent operation

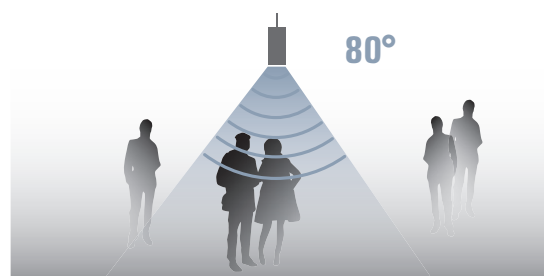
The integrated amplifier has 20 watts power and an automatic switch ON (auto ON/OFF). A stereo-cinch input, volume control, Power LED and connections for external players are located on the rear. MP3 players and computers can be directly connected thanks to the high input sensitivity.

#### Key Features

- Active directional speaker
- 30° motion sensor integrated
- Switch for external Player
- Supercardioid pattern
- 3" full-range driver
- 80° dispersion angle
- Stereo-cinch input
- 20 watts power
- Switchable high-pass filters
- Auto ON/OFF
- Standard finish: white and black

#### Fields of Applications

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



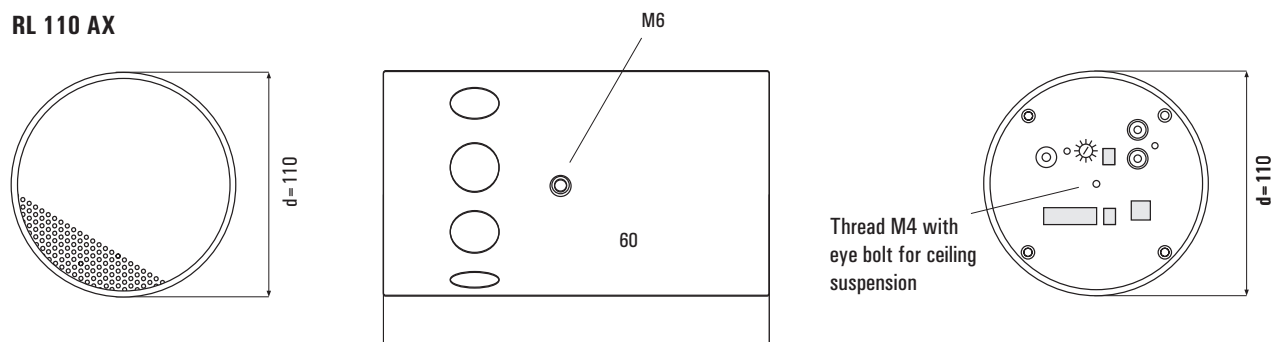
Minimum lateral sound radiation and a short distance allows focused acoustic irradiation to the visitors.

# RL 110 AX

## Active Directional Speaker with Integrated Motion Sensor

### Dimensions

#### RL 110 AX



### Technical Data

|                    |   |
|--------------------|---|
| Principle          | Active directional speaker with integrated motion sensor and supercardioid pattern  |
| Components         | 3"-full-range driver  |
| Frequency range    | 190 Hz – 19 kHz   |
| Amplifier output   | 20 watts  |
| Sensitivity        | max. 95 dB (1W@1m)  |
| Dispersion angle   | 80°   |
| Connectors         | Input cinch-stereo, switch for external player  |
| Input sensitivity  | -6 dBu for full modulation, input sensitivity 10 kohms  |
| Operation Controls | Volume control, switch auto ON/steady ON, switchable high-pass filter, LED power ON, DIP-switch for operating modes: PLAY FILE ONCE, EXTEND PLAY, ONLY SPEAKER SWITCHED, CONTINUOUS; DIP-switch to adjust delay (1 – 1024 sec.) |
| Power supply       | 15 V DC (included in delivery)  |
| Mains              | 90 – 240 V AC   |
| Dimensions         | d = 110 mm, l = 190 mm  |
| Weight             | 1.4 kg  |
| Cabinet            | Aluminium, front precision steel grille, powder-coated  |
| Fastening points   | Suspension point at rear M 4 with eye bolt, threaded insert M 6 laterally for optional wall mount WH 110  |
| Warranty           | 5 years   |

### Model

### Version

|                        |          |
|------------------------|----------|
| <b>RL 110 AX White</b> | RAL 9016 |
| <b>RL 110 AX Black</b> | RAL 9005 |

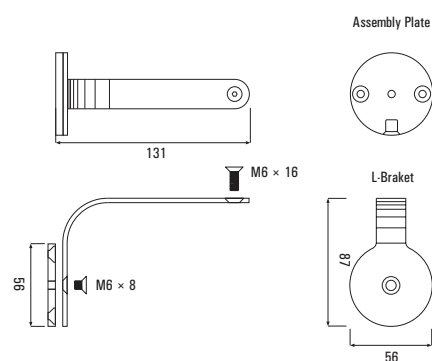
Other versions and colours on request.

### Accessories

|                     |  |   |
|---------------------|--|---|
| <b>WH 110 White</b> |  | L-braket with assembly plate, incl. savety rope   |
| <b>WH 110 Black</b> |  | L-braket with assembly plate, incl. savety rope   |
| <b>SR 300</b>       |  | Stainless steel rope for pendant mounting, lenght 3 m, thickness 1 mm, one side with loop |

### Dimensions Wall Mount

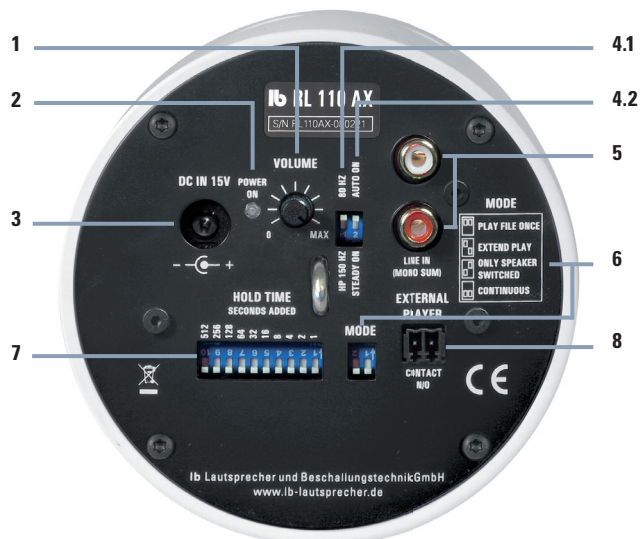
#### WH 110 L-Bracket



# RL 110 AX

## Active Directional Speaker with Integrated Motion Sensor

### Operational Controls

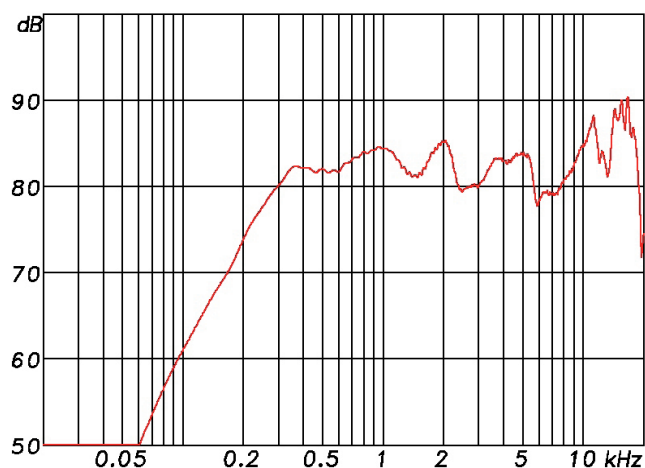


- 1 VOLUME
- 2 POWER ON
- 3 DC IN 15 V
- 4 DIP-switch for high-pass filters and auto on
- 4.1 Switch for high-pass filters (80 Hz or 150 Hz).
- 4.2 AUTO ON / STEADY ON
- 5 LINE IN (MONO SUM)
- 6 MODE – selection of four operating modes
- PLAY FILE ONCE
- EXTEND PLAY
- ONLY SPEAKER SWITCHED
- CONTINUOUS
- 7 HOLD TIME (SECONDS)
- 8 EXTERNAL PLAYER

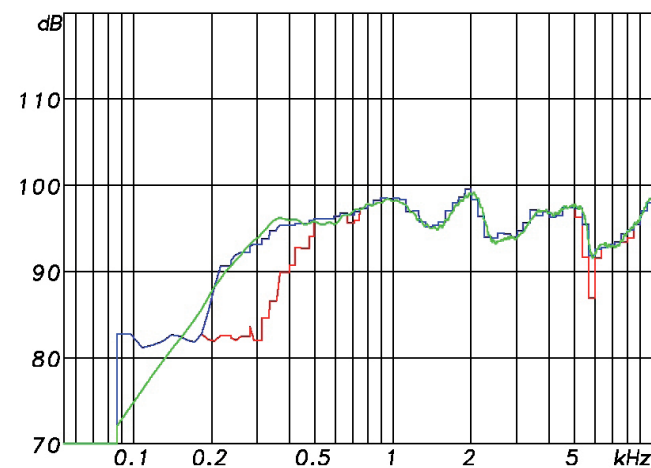
See further technical informations in the datasheets and on our website: <https://www.lb-lautsprecher.de/en/Directional-Speakers>

### Measuring Diagramms

RL 110 AX Sens. 2,83V/1m: 79,5 db (100-10k) 197 Hz - 19,5 kHz (-6 dB)



RL 110 AX max. SPL @ 3% and 10% distortion threshold 30 W max. Power



RL 110 AX Directivity Plot

