



## The intelligent loudspeaker

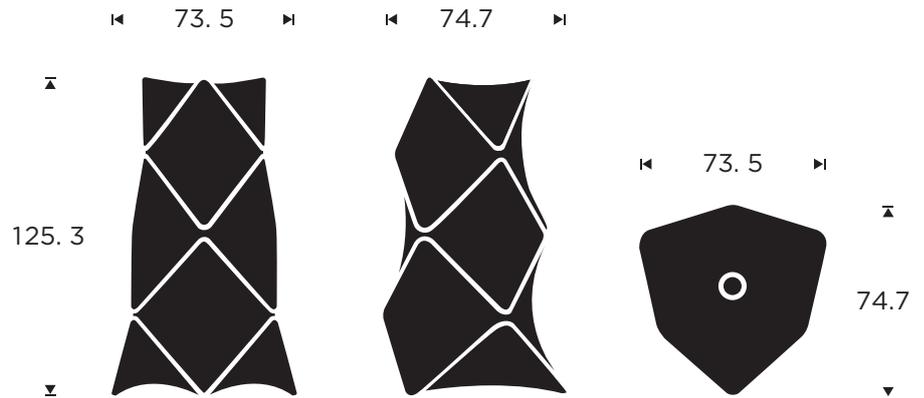
Beolab 90 contains a multitude of technologies. It's a perfect mix of world-class design and acoustics in, what may well be, the most complete and powerful digital loudspeaker designed for use in your home.

This highly intelligent loudspeaker provides you with clarity, range and a sound staging that is second-to-none. Beolab 90 features an impressive 360° design, has a variety of settings, and regardless of its placement, the room or your listening position it will give you mind-blowing sound.





MEASUREMENTS



BASIC

**Product Dimensions ( W x H x D )**

73.5 x 125.3 x 74.7 cm

**Placement**

Floor

**Weight**

137 kg

**Recommended Room Size**

30-200 m<sup>2</sup> / 300-2000 ft<sup>2</sup>

TECHNICAL

**Power Amplifiers**

**- Custom designed for Beolab 90**

7 x Bang & Olufsen ICEpower  
300 watts (tweeter)  
7 x Bang & Olufsen ICEpower  
300 watts (midranges)  
4 x Heliox AM1000-1  
1000 watts (woofers)

**Speaker Drivers**

7 x 1" Scan-Speak Illuminator tweeter  
7 x 4.5" Scan-Speak Illuminator midranges  
3 x 10" Scan-Speak Discovery woofers  
1 x 13" Scan-Speak Revelator woofer

**Maximum Sound**

**Pressure Level @1m**

126 dB SPL (pair)

**Bass capability @1m**

123 dB SPL (pair)

**Digital Signal Processor**

1 x Analog Devices ADSP-21489  
- 450 MHz  
192 kHz fixed sampling rate

**Frequency Range**

<12 - >43,000 Hz

**Features**

- Advanced Active Room Compensation
- Beam Width Control
- Beam Direction Control (5 sides)
- Thermal Protection
- Adaptive Bass Linearization



CONNECTIVITY

**Wireless Input Primary and Secondary Speaker**

Wireless Power Link (24 bit / 48 kHz)  
WiSA (24 bit / 96 kHz)

**Digital Input Primary Speaker**

USB Audio (24 bit / 192 kHz)  
S/P-DIF (24 bit / 192 kHz)  
Optical (24 bit / 96 kHz)

**Digital Input Primary and Secondary Speaker**

Digital Power Link (24 bit / 192 kHz)

**Analogue Input Primary Speaker**

Power Link  
RCA  
XLR (fully balanced)

**Remote Control**

Beremote One BT  
Beoremote Halo  
Bang & Olufsen App

FEATURES

**Advanced Active Room Compensation**

This technology secures a uniform sound experience in selected listening positions/zones, in practice by actively adapting the speaker output to compensate for poor room acoustics.

**Beam Width Control**

Makes it possible to alter the width of the sound beam between 'narrow', 'wide' and 'omni', optimized respectively for 'sweet spot' listening, 'large area' listening and '360 degree' listening.

**Beam Direction Control**

A technology that makes it possible to direct the sound beam from the speakers in five different directions..

OTHER INFORMATION

**Designer**

Noto Design GmbH



BLACK

**Aluminium Crown**  
Natural Aluminium  
**Fabric**  
Black  
**Panels**  
Oak



SAND

**Aluminium Crown**  
Gold Tone  
**Fabric**  
Sand  
**Panels**  
Light Oak



PARISIAN NIGHT BLUE

**Aluminium Crown**  
Bronze Tone  
**Fabric**  
Parisian Blue  
**Panels**  
Walnut



WHITE

**Aluminium Crown**  
Natural  
**Fabric**  
White  
**Panels**  
Smoked Oak



FORGED IRON GREY

**Aluminium Crown**  
Gold Tone  
**Fabric**  
Forged Iron Grey  
**Panels**  
Light Oak





ALUMINIUM CROWN



Silver



Bronze Tone



Gold Tone

FABRIC



Black



Forged Iron



Parisian  
Night



Purple  
Heart



White



Sand

PANEL



Light Oak



Oak



Smoked  
Oak



Walnut