



The intelligent loudspeaker

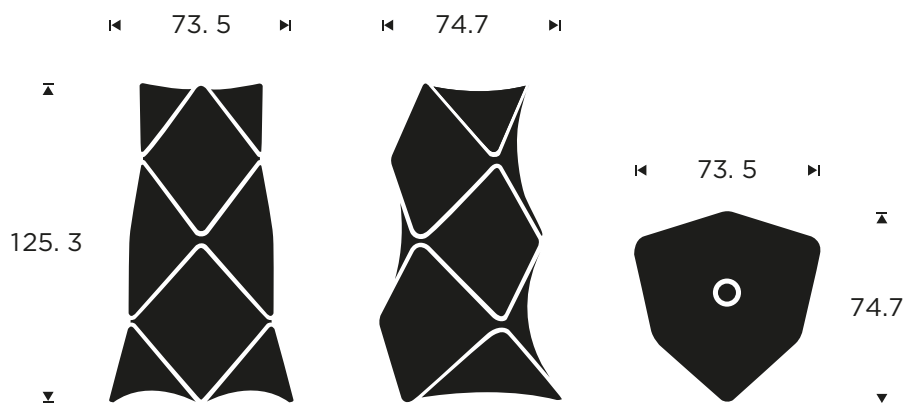
Beolab 90 contains a multitude of technologies. It's a perfect mix of world-class design and acoustics in, what may well be, the most complete and powerful digital loudspeaker designed for use in your home.

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 m² / 300-2000 ft²

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

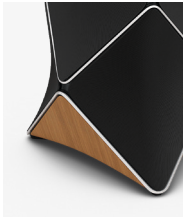
Noto Design GmbH



Aluminium Crown
Natural aluminium

Fabric
Black

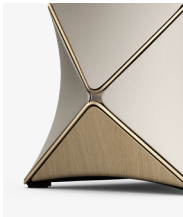
Panels
Oak



Aluminium Crown
Gold Tone

Fabric
Sand

Panels
Light Oak



Aluminium Crown
Black
Anthracite

Fabric
Black

Panels
Dark Oak

