



BEC
Akustik

CLEAR SOUND OF THE HIGHEST QUALITY



SPEAKER

IC SERIES

IC 28

IC 50

IC 70

IC 100

IC 120

► Technical Data

Impedance	8 Ω / 16 Ω	8 Ω	6 Ω	6 Ω	4 Ω
Frequency Range	120 Hz - 20 kHz	120 Hz - 20 kHz	120 Hz - 20 kHz	120 Hz - 20 kHz	120 Hz - 20 kHz
System	Line array speaker	Line array speaker	Line array speaker	Line array speaker	Line array speaker
Broadband Driver	1 x (20 x 120 mm)	3 x (20 x 120 mm)	3 x (20 x 120 mm)	3 x (20 x 120 mm)	4 x (20 x 120 mm)
Rated Driver	10 W	20 W	30 W	30 W	40 W
Maximum Power	20 W	40 W	60 W	60 W	80 W

► Radiation

Radiation angle, Horiz.	160°	160°	160°	160°	160°
Radiation angle, Vert.	40°	40°	40°	40°	40°
Sensitivity	83 dB / W / m	86 dB / W / m	86 dB / W / m	86 dB / W / m	88 dB / W / m
Max. Rated SPL	95 dB / W / m	98 dB / W / m	102 dB / W / m	102 dB / W / m	106 dB / W / m

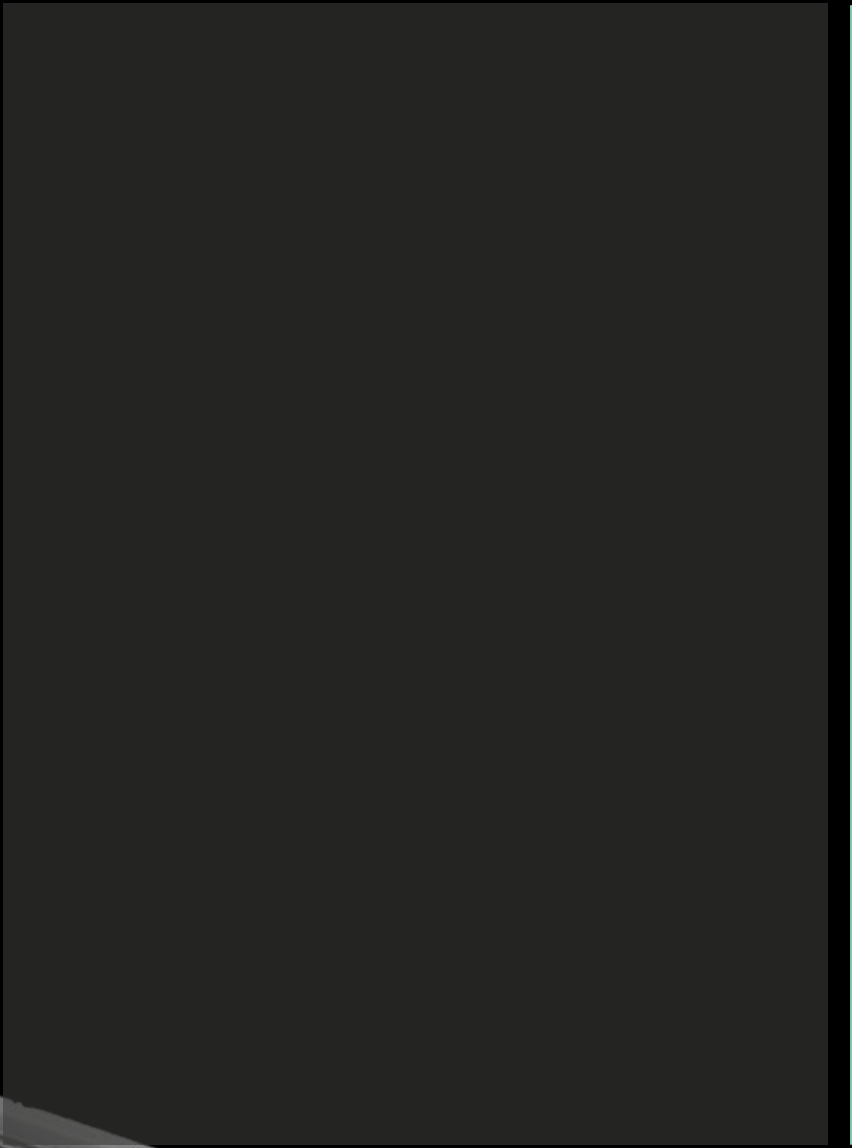
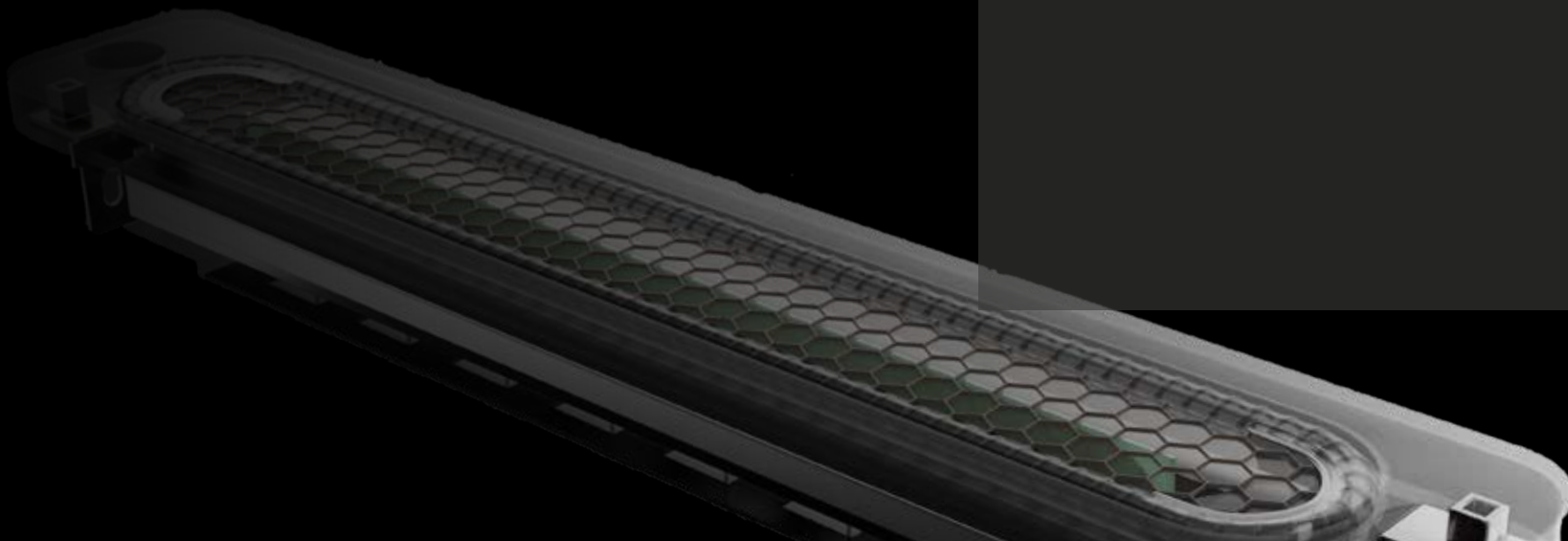
► Housing

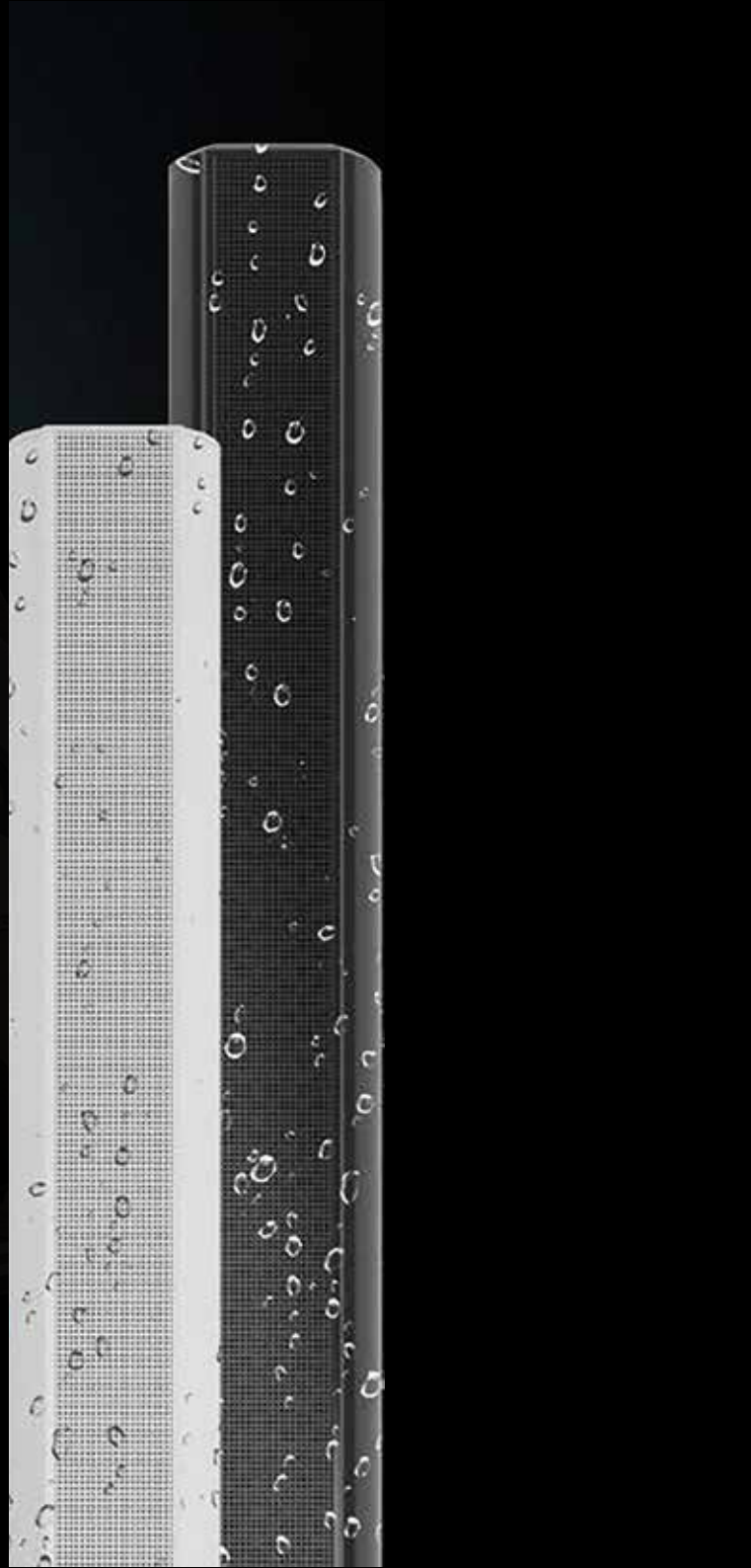
Material	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium
Color	Black, White, Silver, Gold special on request	Black, White, Silver, Gold special on request	Black, White special on request	Black, White special on request	Black, White, Silver, Gold special on request
Number of Drivers	1	2	3	3	4
Mounting	Metal angle bracket (Standard) In-Wall mounting on request	Metal angle bracket (Standard) In-Wall mounting on request	Metal angle bracket (Standard) In-Wall mounting on request	Metal angle bracket (Standard) In-Wall mounting on request	Metal angle bracket (Standard) In-Wall mounting on request
Operating Temp.	0 - 100° C	0 - 100° C	0 - 100° C	0 - 100° C	0 - 100° C
Width	37,5 mm	37,5 mm	37,5 mm	37,5 mm	37,5 mm
Hight	280 mm	498 mm	698 mm	998 mm	1206 mm
Depht	23 mm	23 mm	23 mm	23 mm	23 mm



APPLICATION FIELD

- Installation
- In-wall solutions
- HiFi Surround
- Mobile sound reinforcement





WP MARINE SPEAKER COLLECTION

WP 28

WP 50

WP 70

WP 100

WP 120

► Technical Data

Impedance	8 Ω / 16 Ω	8 Ω	6 Ω	6 Ω	4 Ω
Frequency Range	120 Hz - 20 kHz	120 Hz - 20 kHz	120 Hz - 20 kHz	120 Hz - 20 kHz	120 Hz - 20 kHz
System	Line array speaker	Line array speaker	Line array speaker	Line array speaker	Line array speaker
Broadband Driver	1 x (20 x 120 mm)	2 x (20 x 120 mm)	3 x (20 x 120 mm)	3 x (20 x 120 mm)	4 x (20 x 120 mm)
Rated Driver	10 W	20 W	30 W	30 W	40 W
Maximum Power	20 W	20 W	60 W	60 W	80 W

► Radiation

Radiation angle, Horiz.	160°	160°	160°	160°	160°
Radiation angle, Vert.	40°	40°	40°	40°	40°
Sensitivity	83 dB	84 dB	86 dB	86 dB	88 dB
Max. Rated SPL	95 dB	98 dB	102 dB	102 dB	106 dB

► Housing

Material	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium
Color	Black, White	Black, White	Black, White	Black, White	Black, White
Number of Drivers	1	2	3	3	4
Mounting	Metal angle bracket (Standard) In-Wall mounting on request	Metal angle bracket (Standard) In-Wall mounting on request	Metal angle bracket (Standard) In-Wall mounting on request	Metal angle bracket (Standard) In-Wall mounting on request	Metal angle bracket (Standard) In-Wall mounting on request
Operating Temp.	-10 - 100° C	-10 - 100° C	-10 - 100° C	-10 - 100° C	-10 - 100° C
Width	37,5 mm	37,5 mm	37,5 mm	37,5 mm	37,5 mm
Hight	280 mm	498 mm	698 mm	998 mm	1206 mm
Depht	23 mm	23 mm	23 mm	23 mm	23 mm

BEC

Alcornoque

SUBWOOFER

FATBOY SLIM

► Device Type

Passive bandpass flat
subwoofer

► Technical Data

Woofers

5,5" Flat bass speaker

Frequency Range

45 - 200 Hz

Crossover Frequency

40 - 150 Hz

Power Consumption

40 W AES

► Connections

Input

RIA AKL 22004 (+ - + -)

► Housing

Material

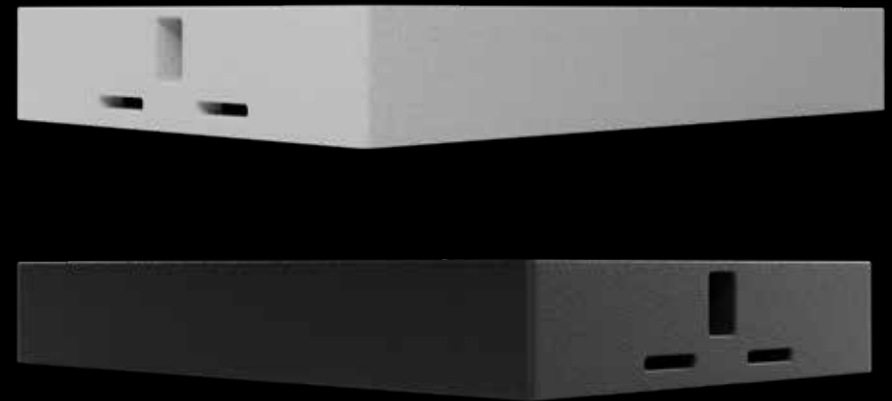
HDF housing with textured paint,
anodized aluminium cover plate

Color

Black, White

Dimension

50 x 270 x 410 mm



PAUL 12.1

► Device Type

Passive high-performance
subwoofer

► Technical Data

Woofers
Transmission Range
Max. SPL 1M
Impedance
Power Consumption

1 x 12" woofer
30 - 200 Hz (-6dB)
116 dB
8 Ohm
900 W AES

► Connections

Input

SpeakON

► Housing

Material

Color
Dimension
Weight

Birch multiplex with
polyurea coating
Black, White
430 x 430 x 450 mm
26 kg



MORITZ 400-40

► Device Type

Active subwoofer with
passive radiator

► Technical Data

Woofer

10" bass speaker +
10" passive radiator

Frequency Range

28 - 150 Hz

Crossover Frequency

50 - 150 Hz

Power Consumption

200 W RMS

► Connections

Input

1x Cinch (Stereo)

► Housing

Material

HDF housing with
textured paint

Color

Black, White

Dimension

346 x 346 x 343 mm

Weight

15 kg

Accessories

Power cord, spike set



LARS 6.2

► Device Type

Double 6" compact
subwoofer

► Technical Data

Woofers
Transmission Range
Max. SPL
Impedance
Power Consumption

2 x 6" bass speakers
35 - 200 Hz (-6dB)
106 dB
4 Ohm
150 W AES

► Connections

Input

SpeakON

► Housing

Material

Color
Dimension
Weight
Suspension

Birch multiplex with
polyurea coating
Black, White
260 x 435 x 390 mm
10 kg
2x M8 thread







AMPLIFIER

JULIA 1080

► Device Type

Class-D amplifier

► Technical Data

Power (sin.) at 8 Ohm	6x 120 W or 6x 180 W
Power (sin.) at 4 Ohm	6x 180 W or 6x 120 W
Power (sin.) at 8 Ohm bridged	1x 540 W or 1x 750 W
Frequency Range	20 Hz - 35 kHz
THD	20 Hz - 20 kHz) 1W at max. 0,02%
Damping factor at 8 Ohm/ 1 kHz	250
Input Sensitivity	26 dB/ 29 dB/ 32 dB/ 34 dB
Input Connections	XLR
Output Connections	SpeakON

► Dimensions

Height in U (mm)	2 (88)
Width	19" / 428 mm
Depth	280 mm
Weight	8 kg



JULIA 1080+

- The Julia 1080+ amplifier is technically identical to the Julia 1080. The Julia 1080+ is equipped with a DSP (Digital Sound Processor). Our DSP is AES and Dante-capable.

BOB 540

► Device Type

Class-D amplifier

► Technical Data

Power (sin.) at 8 Ohm	3x 120 W or 3x 180 W
Power (sin.) at 4 Ohm	3x 180 W or 6x 250 W
Power (sin.) at 8 Ohm bridged	3x 540 W or 3x 750W
Frequency Range	20 Hz - 35 kHz
THD	20 Hz - 20 kHz) 1W at max. 0,02%
Damping factor at 8 Ohm/ 1 kHz	250
Input Sensitivity	26 dB/ 29 dB/ 32 dB/ 34 dB
Input Connections	XLR
Output Connections	SpeakON

► Dimensions

Height in U (mm)	2 (88)
Width	9" / 230 mm
Depth	280 mm
Weight	4 kg



BOB 540+

- The BOB 540+ amplifier is technically identical to the BOB 540. The BOB 540+ is equipped with a DSP (Digital Sound Processor). Our DSP is AES and Dante-capable.

EVA SERIES

EVA 6

EVA 9

► Device Type

Class-H amplifier

Class-H amplifier

► Technical Data

Power (sin.) at 8 Ohm
Power (sin.) at 4 Ohm
Power (sin.) at 2 Ohm
Power (sin.) at 4 Ohm bridged
Frequency Range
Slew Rate
Total - THD
Damping Factor at 8 Ohm / 1 kHz
Signal to Noise Ratio
Input impedance symm.
Channel Separation
Input Sensitivity
Input Connections
Output Connections

2x 420 W
2x 600 W
2x 750 W
1x 1500 W
20 - 20 kHz
35 V/ μ s
0,01 %
350
> 100 dB
20 kOhm
> 65 dB
33 dB/ 1 Volt
XLR
SpeakON

2x 750 W
2x 920 W
2x 1200 W
1x 2400 W
20 - 20 kHz
37 V/ μ s
0,01 %
400
> 100 dB
20 kOhm
> 65 dB
33 dB/ 1 Volt
XLR
SpeakON

► Technical Data

Height in U (mm)
Width
Depth
Weight

2 (88)
19" / 482 mm
358 mm
15,5 kg

2 (88)
19" / 482 mm
358 mm
17,0 kg





BEC
Alvink

ACCESSORIES

CROSSOVER FILTER FRED 2

► **With high-quality capacitors**

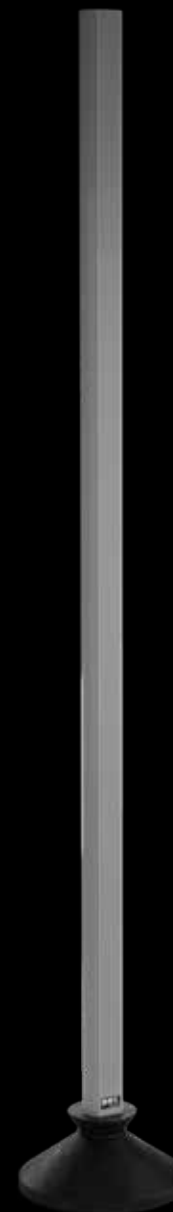
Hand-wired made in Germany. High-quality wound bipolar capacitors + integrated subwoofer output. Enables uniform volume control.



PEDESTAL TAJINE

► Wooden pedestal

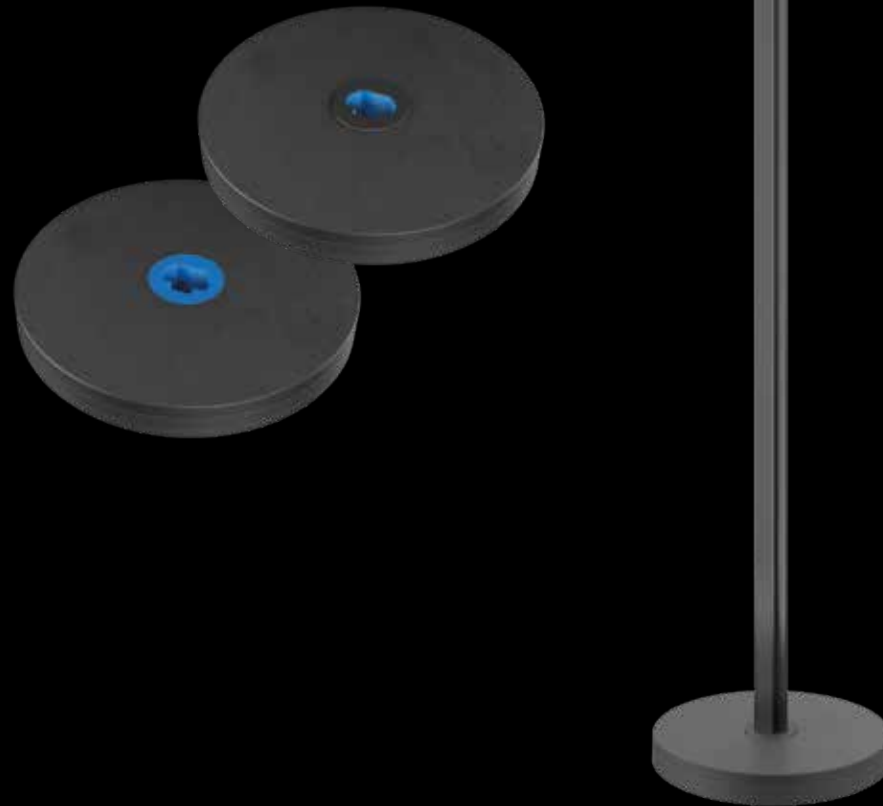
Speaker stands made of fine, top-quality wood. For secure and elegant support.



PEDESTAL SORA

► Slate pedestal

Solid and stable, made from southern German slate. With silicone inlay and cover cap.





ENGINEERED WITH PRIDE IN GERMANY SINCE 1992

**BEC Akustik, Division of BEC
Gesellschaft für Produktmanagement mbH**

Zechenstraße 55, D-47443 Moers
Tel.: + 49 2841 95506 - 0
Fax.: 49 2841 9550 - 625

Mail: info@bec-gmbh.de
www.bec-akustik.com