

Creating space for sound

Finding the perfect position for the new Line WS models couldn't be easier. A little wall space is all that these loudspeakers need to unleash their full potential. Despite their shallow cabinet depth of just 84 mm, they use the very latest chassis technology to deliver full-scale sound with deep bass. Ideal for TV and surround-sound applications; perfect for music – conveniently mounted on the wall.





WS 1665

Expansive Sound.

If you want that little bit extra, the WS 1665 equipped with two woofers is the loudspeaker of choice for large listening rooms or if higher playback levels are required. Offering a very similar sound to the WS 1645, but with even greater bass impact, the WS 1665 can also serve as a traditional center loudspeaker in combination with other models.



Front view
with grill



Rear view
rear side with terminal and
three different wall-mounting options



WS 1645

Amazing extension.

The WS 1645 offers music reproduction without compromises ... in any frequency range. The resemblance to the award-winning BS 312 is obvious. After all, it uses the same powerful woofer incorporating AS-XR technology and the high-resolution JET 5 tweeter. The WS 1645 effortlessly reproduces deep bass that lacks nothing in terms of impact.



..... • Side view
with Bass reflex vent at the bottom



Flip it
your way.



Turn your
music
on-wall.





..... ● Rear view
rear side with terminal and
three different wall-mounting options

Front view
with grill



Use your space.





Another brick
in the wall.



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WS 1465

Space-saving design.

Mounted horizontally or vertically, used as a center loudspeaker in multi-channel applications, or simply as the consummate entertainer on those occasions when you can turn the sound up a notch – the WS 1465 is the perfect choice for installations where high-quality reproduction is required.



Rear view 
rear side with terminal and
three different wall-mounting options



 **Bassreflex vents**
at the bottom of WS 1445, WS 1465
and WS 1645, WS 1665



WS 1445

Trimmed to perfection.

It delivers a truly cinematic experience in traditional stereo ... and naturally in surround sound. Combining a woofer using AS technology and a silk dome tweeter, this loudspeaker sounds exceptionally detailed but packs a powerful punch despite its compact dimensions.





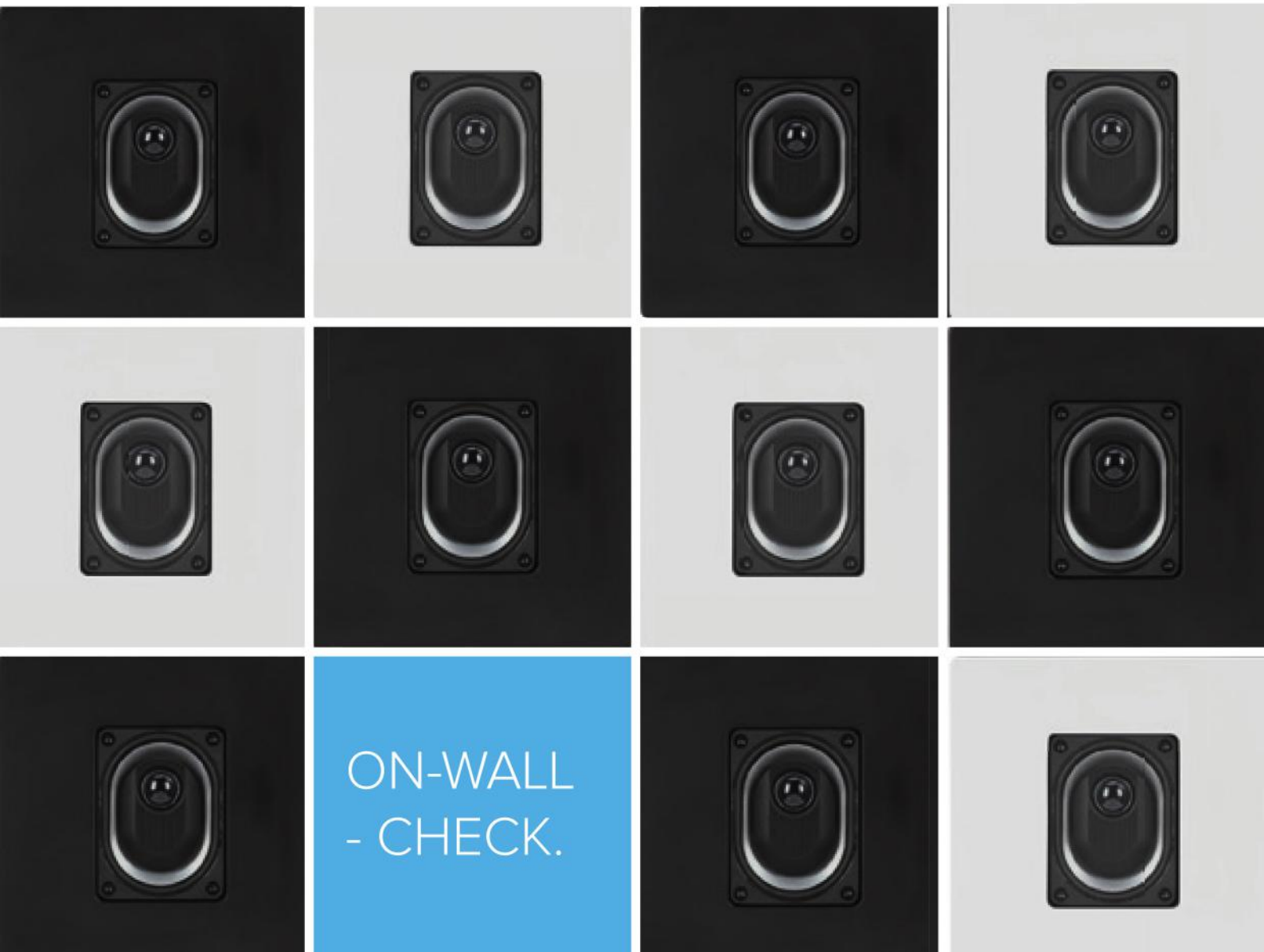
WS 1425

The little one for big experiences.

Compact and powerful – the WS 1425 creates an extremely consistent soundstage across a wide listening area thanks to its coaxial drive unit. It is ideal for stereo and multi-channel applications. Its tonal balance also blends seamlessly with other models in the WS lines.



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ON-WALL**WS 1645****WS 1665**

Height x Width x Depth	400 x 220 x 98 mm	650 x 220 x 98 mm
Weight	4.7 kg	7.8 kg
Type	2-way, bass reflex	2 ½-way, bass reflex
Woofers	1 x 115 mm Ø, AS-XR cone	2 x 115 mm Ø, AS-XR cone
Midrange	–	(115 mm)
Tweeter	1 x JET 5	J1 x ET 5
Magnetic shielding	–	–
Crossover frequency	3400 Hz	600 3600 Hz
Frequency range (IEC 268-5)	50 bis 50000 Hz	48 bis 50000 Hz
Sensitivity	88.5 dB at 2.83 V/m	89.5 dB at 2.83 V/m
Suitable for amplifiers	4 – 8 Ω	4 – 8 Ω
Recommended amplifier power	20 – 150 W/channel	20 – 200 W/channel
Nominal peak power handling	70 100 W	100 130 W
Nominal minimum impedance	4 Ω 3.9 Ω at 400 Hz	6 4.2 Ω at 58 Hz
Finishes	White or Black Satin Matte lacquer	White or Black Satin Matte lacquer
Accessories included	Two fabric grilles, magn. fixed	Two fabric grilles, magn. fixed

ON-WALL**WS 1425****WS 1445****WS 1465**

Height x Width x Depth	220 x 220 x 98 mm	400 x 220 x 98 mm	650 x 220 x 98 mm
Weight	2.5 kg	4.3 kg	7.3 kg
Type	2-way, sealed	2-way, bass reflex	2 ½-way, bass reflex
Woofers	85 x 115 mm Ø, AS oval	1 x 115 mm Ø, AS	2 x 115 mm Ø, AS
Midrange	–	–	(115 mm)
Tweeter	Fabric dome, 20 mm	Fabric dome, 25 mm	Fabric dome, 25 mm
Magnetic shielding	Yes	–	–
Crossover frequency	70 2,900 Hz	2,900 Hz	600 2,700 Hz
Frequency range (IEC 268-5)	70 bis 35,000 Hz	52 bis 30,000 Hz	50 bis 30,000 Hz
Sensitivity	87.5 dB at 2.83 V/m	88.5 dB at 2.83 V/m	89 dB at 2.83 V/m
Suitable for amplifiers	4 – 8 Ω	4 – 8 Ω	4 – 8 Ω
Recommended amplifier power	20 – 100 W/channel	20 – 140 W/channel	20 – 180 W/channel
Nominal peak power handling	60 W 75 W	65 W 90 W	90 W 120 W
Nominal minimum impedance	4 Ω 3.2 Ω at 85 Hz	4 Ω 4.0 Ω at 360 Hz	5 Ω 4.3 Ω at 58 Hz
Finishes	White or Black Satin Matte lacquer	White or Black Satin Matte lacquer	White or Black Satin Matte lacquer
Accessories included	Fabric grille, magn. fixed	Two fabric grilles, magn. fixed	Two fabric grilles, magn. fixed