

**REL**  
ACOUSTICS LTD.



**SERIES**



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#### Freedom

Serie S™ combines a higher performance level than REL have ever set out to deliver within our mid-level range, with ease of use and *freedom* from conventional restraint.

Our designers began with only one requirement; that is, the physical package ought not to greatly exceed the comfortable dimensions customers have loved in our previous generations.

**Performance:** Every REL must deliver sonic performance that exceeds expectations. Thus we labored for close to two years developing a new generation of Continuous Cast Alloy™ Bass Engines for the flagship S/5 and its stablemate S/3. These ultra-lightweight drivers produce speed and slam that can prove startling. They also play louder. Much louder. *Freedom.*

Beyond quantitative performance upgrades, note the increase in subtlety and air produced within the sound stage by these faster, better-integrated designs. Be prepared to be amazed by the degree to which S improves everything above the bass regions making the listening experience much more enjoyable. *Freedom.*

**Unchained:** Freed from the need to snake ungainly audio cables across one's salon, use of the optional LongBow™ Zero Compression Wireless Delivery Method produces two responses: utter amazement at the quality of sound (most wireless delivery systems destroy music's warmth by compressing and expanding the sound digitally) and visual relaxation because, for once, there are no visible cables to detract from this experience. *Freedom.*



**Design:** By now, it is expected that REL products be beautiful physical structures. While most will fall in love once they hear a REL, everyone will fall in love when it performs brilliantly *and* looks beautiful in one's home.



Serie S takes the concept of audiophile quality components as furniture-grade companion to the sophisticated home to a new level. Because not everyone lives in the same sized house with identical speakers, we offer three different levels of accomplishment (S/2, S/3 and S/5) that increase in quality, scale and refinement.



### Invisible Connectivity Optional

LongBow™ Zero Compression 24-bit Wireless Transmission: You will wish to step up to the stunning sound quality and freedom from placement limitations imposed by conventional cables. Conventional wireless systems operate by hugely compressing the sound, shipping the digital bitstream through the air and then expanding it back to its “original” form. The results are a noticeable lag in speed (engineers refer to this delay as latency) and an uninvolved quality which often suffers from thinness.

### Give us 5 Seconds and REL Will Change Your World:

REL's LongBow uses zero compression, just high quality music recording industry-standard analog-to-digital encoders. These convert REL High level and .1 inputs – we maintain ALL the benefits of REL's Theater Reference Standard approach that results in seamless musical performance AND hard-slammung theater in LongBow – and are shipped across the room via a hugely efficient 24 bit, 48kHz invisible pipeline. Compression-free, exceptionally fast and, because most people find fiddling with computer pairing annoying, our engineers reduced it to just two simple toggle switches. Total set-up time? About 5 seconds to enjoy high performance bass, free from the restrictions of cables.



### Continuous Cast Alloy™ Bass Engines:

S/5 and S/3 benefit from use of Continuous thin wall castings for the cone structure allowing the forming of remarkably stiff, yet non-resonant cones. The continuous casting process allows the tightly knit grain of the T-6063 alloy to remain intact, whereas a conventional stamped cone rings inherently, in part because the molecular bonds are weakened by the stamping process.

On S/2, we utilize a simple version of this casting technology for the inverted alloy center cap. This has the benefit of noticeably reducing moving mass, stiffening the cone's structure and maintaining excellent value.

**Filtered to Perfection:** REL's secret to improving much more than the bass range is our legendary filter blocks. They are incredibly fast crossover sets and, when properly used, result in truly seamless integration with your main speakers resulting in the fast, powerful sound of a REL.

If that were all they did, most listeners would be thrilled. Serie S's filter blocks perform so many more functions than just crossing over frequencies as they did a few years ago. Over the years we've managed to weave additional performance benefits into our filter boards. Serie S filters supply clean, regulated power to the critical RF circuits in our LongBow wireless system, they house our new Limitless™ Current Limiters that enable power amplifiers to produce all the current they can for clean, high output. They then gently limit unobtrusively, a style that eliminates the heavy-handed interruptions of yore. Think of the REL Filter Block as the brains of a highly intelligent system.



**Powerfully Reliable:** To REL, industry-leading reliability is a core value. In a category (subwoofers) where poor reliability is common, RELs stand out for their robust build quality and long life. Introduced in the previous generation, our NextGen II digital amplifiers continue to deliver both awe-inspiring performance as well as remarkable reliability. These amps were designed to deliver huge amounts of current and deep, powerful exceptionally low bass. That they sound great is wonderful, that they boast a virtually perfect reliability record makes each one a REL.

## Specifications

	S/2	S/3	S/5
Type:	Front-firing active woofer, down-firing passive radiator	Front-firing active woofer, down-firing passive radiator	Front-firing active woofer, down-firing passive radiator
Active Drive Unit:	10 in., 250mm long-throw, pressed Aluminium chassis	10 in., 250mm long-throw, Continuous Cast Alloy™ cone structure	12 in., 300mm long-throw, Continuous Cast Alloy™ cone structure
Passive Radiator:	10 in., 250mm	12 in., 300mm	12 in., 300mm
Lower Frequency Response in Room:	24Hz at -6 dB	22Hz at -6 dB	20Hz at -6 dB
Input Connectors:	Hi Level Neutrik Speakon, Left and Right Lo Level phono, LFE phono, SMA for wireless antenna	Hi Level Neutrik Speakon, Left and Right Lo Level phono, LFE phono, SMA for wireless antenna	Hi Level Neutrik Speakon, Left and Right Lo Level phono, LFE phono, SMA for wireless Antenna
Gain Control Range:	80 dB	80 dB	80 dB
Power Output:	250 watts (RMS)	400 watts (RMS)	550 watts (RMS)
Phase Switch:	Yes, 0 or 180 degrees	Yes, 0 or 180 degrees	Yes, 0 or 180 degrees
Amplifier Type:	Next Gen II Class D	Next Gen II Class D	Next Gen II Class D
REL Longbow Wireless capability:	Yes – REL Longbow™ transmitter [required], Sold separately	Yes – REL Longbow™ transmitter [required], Sold separately	Yes – REL Longbow™ transmitter [required], Sold separately
<b>Protection System</b>			
Fully Electronic with SET-SAFE:	Yes	Yes	Yes
D.C. Fault:	Yes	Yes	Yes
Output Short:	Yes	Yes	Yes
Mains Input Voltage:	220-240 volts, 110-120 volts for certain markets	220-240 volts, 110-120 volts for certain markets	220-240 volts, 110-120 volts for certain markets
Fuses (semi delay):	3.15 Amp 220 volts operation 6.3 Amp 120 volts operation	5 Amp 220 volts operation 9 Amp 120 volts operation	5 Amp 220 volts operation 9 Amp 120 volts operation
Dimensions (W x H x D)*:	13.75 x 14.5 x 16.75 in., (349 x 368 x 425.5 mm)	16 x 16.7 x 18.25 in., (406 x 424 x 463.5 mm)	17.5 x 18 x 20 in., (444.5 x 455.5 x 507 mm)
Net Weight:	40 lbs. (18.1 kg)	61.4 lbs. (27.85 kg)	69.7 lbs. (31.6 kg)
Shipping Weight:	47.5 lbs. (21.5 kg)	71 lbs. (32.2 kg)	79.5 lbs. (36.0 kg)
Finish (Gloss):	Piano Black or White Lacquer	Piano Black or White Lacquer	Piano Black or White Lacquer
<b>Supplied Accessories</b>			
Mains Lead:	Yes	Yes	Yes
Neutrik Speakon Interconnect 10 Metres Nominal:	Yes	Yes	Yes

\* Including Feet and Rear Panel Controls, Add 1.75in (44.5mm) in depth when using Hi Level connector

*In the interest of product development, REL Acoustics Limited reserve the right to vary these specifications without notice.*