

GENELEC®

Smart IP

**Power to
the speaker.**



**Power to
the installer.**



One cable for audio, power and control

The Smart IP Solution for Smart AV Systems

From the global leader in professional audio monitoring, Smart IP is a scalable open IP networking technology platform delivering power, audio and loudspeaker management – with configuration, supervision and calibration features – all via a single standard CAT cable.

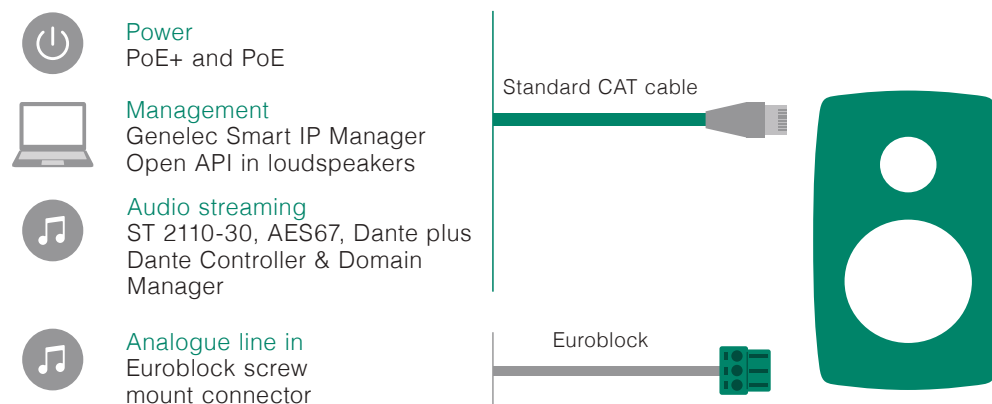
Smart IP saves professional audio system designers, integrators and installers valuable time – without sacrificing Genelec’s renowned audio quality – and helps you take on bigger audio installation projects.

Smart IP Technology offers installers the clear and intelligible Genelec sound that audio professionals have trusted for decades, coupled with a time-saving efficiency that will reduce installation man-hours and boost your bottom line.

Complete audio connectivity

Configure and manage networked audio using Dante Controller and Domain Manager. Smart IP loudspeakers also support analogue audio via a standard Euroblock (Phoenix) connector.

Switch or even mix between networked audio and analogue sources at the loudspeaker, or simply operate as an analogue input loudspeaker under IP control.



Novel power management

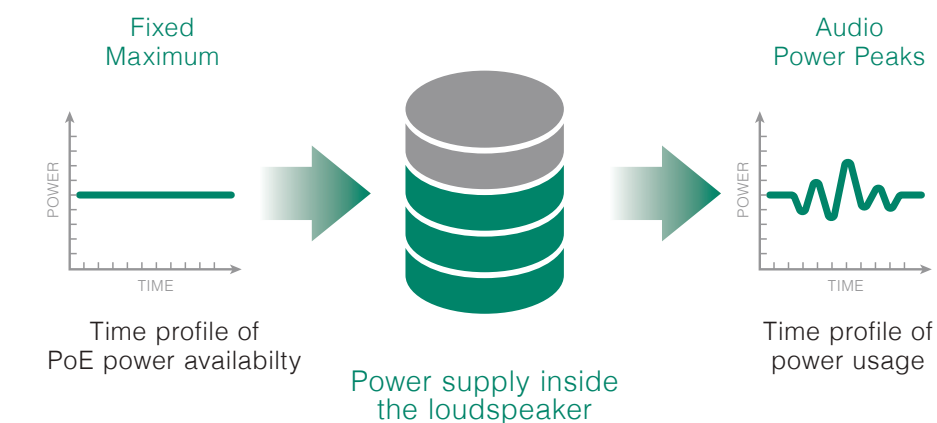
Based on IP and Power-over-Ethernet (PoE) technology, Smart IP utilises proprietary internal power management that delivers a significantly higher SPL than was previously possible via any conventional PoE. In fact, Smart IP can produce maximum SPL whenever needed, sufficient to power small and medium sized audio systems – a world first.

Dynamic power

The internal power supply stores power, to enable Smart IP loudspeakers to work with real audio signals, music and speech. Since audio signals are dynamic, periods of high peak power typically have finite duration while the effective average power level, or RMS power, remains much lower.

PoE+ or PoE?

Smart IP loudspeakers support the widely used PoE+ and PoE technology standards. IEEE 802.3at (30 W) is recommended, with IEEE 802.3af (15 W) simply reducing the time that maximum power output can be maintained.

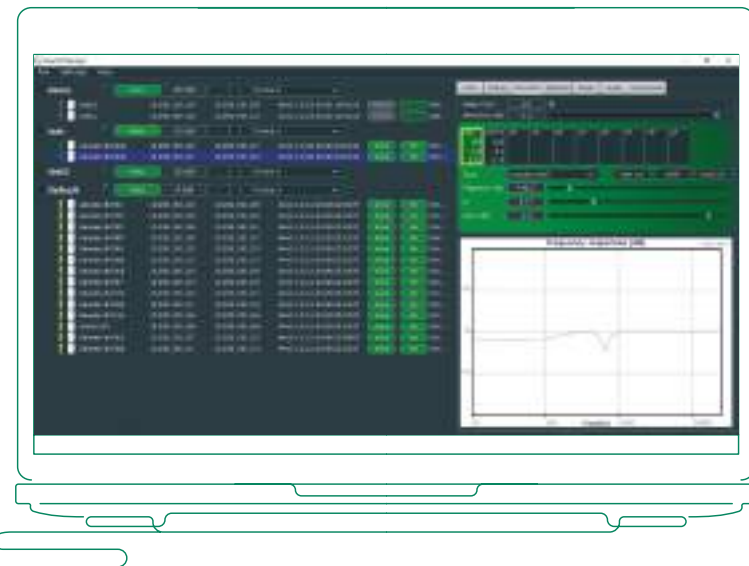


| Total Control

Single-cable simplicity is only the beginning. Genelec speaker management software is already a well-established and trusted tool within our studio monitoring speaker range and we now offer a tailored software solution to address the specific needs of installers. Smart IP Manager software enables flexible system integration, supervision, management and monitoring over IP. Delivering one system to manage all your loudspeakers.

Flexible system management, anywhere, anytime

Smart IP is a game-changing speaker network solution, empowering you with the ability to configure, monitor and maintain speaker systems to better serve your clients. Control speaker performance, and create speaker groups for different rooms, spaces and environments. Even operate remotely to react quickly to whatever else your clients may need – from anywhere.



Proven, time-saving software

Smart IP Manager offers an intuitive suite of software tools which focus on solving specific installation audio challenges – including device discovery, IP configuration, zone assignment and status monitoring. With full access to DSP for room equalisation and delay, high quality installed audio has never been more powerful or intuitive – saving you time and ensuring systems perform with outstanding clarity and speech intelligibility, even in challenging acoustic environments.

Configure, calibrate and control

Manage Smart IP loudspeakers from a single screen, and divide your system into an almost unlimited number of rooms, zones, speakers or audio channels. For everyday use, Smart IP features a public API command set – allowing easy integration with house automation systems and giving the end user instant access to volume, power on/off, loudspeaker activity and a selection of pre-programmed audio settings.



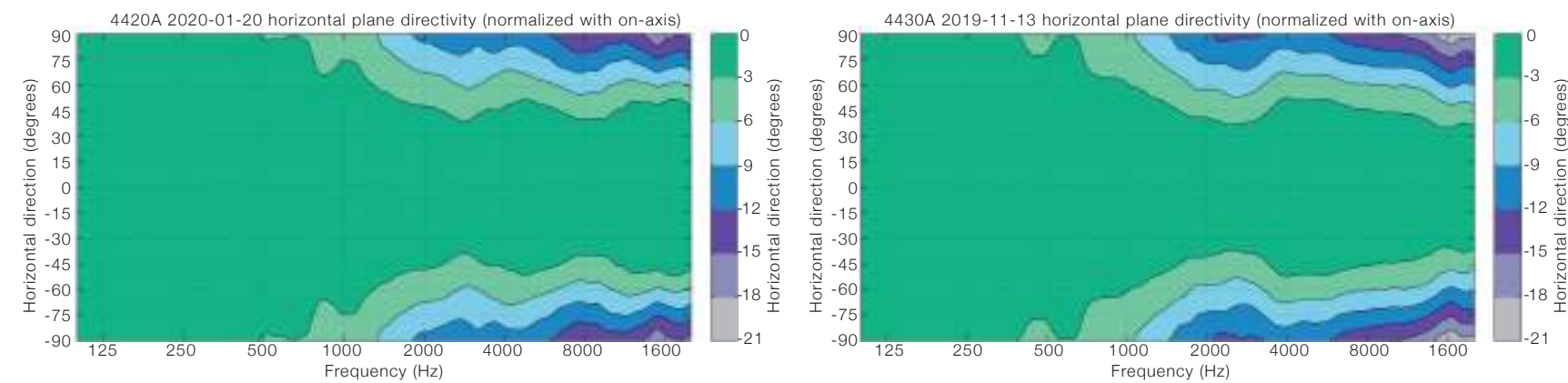
Sound superiority

There's a reason why professionals around the world trust their audio monitoring to Genelec. And now AV system designers, integrators and installers have plenty of great reasons to follow suit.

Smart IP loudspeaker systems deliver uncompressed low-latency networked audio, with synchronisation to sub-microsecond level for excellent sound intelligibility. With consistent power response, impressive SPL, low distortion and adaptability to different acoustic environments, each Smart IP model provides crisp, clean sound in a compact enclosure – making system installation discreet, reliable and easy.

Exceptional coverage

Faced with the challenging acoustics of real installations with listeners located at different positions in the room, control of loudspeaker directivity is crucial to guaranteeing exceptionally uniform in-room coverage with clarity and speech intelligibility. Genelec has championed tightly controlled directivity for decades, and now brings its remarkable benefits to installed sound systems – even in difficult spaces.



Colourful...

Smart IP loudspeakers are available in black, white, raw or 120 custom RAL colours, allowing them to blend seamlessly with any interior colour scheme.



...and flexible

Every installation is unique, so our unrivalled range of mounting accessories allows each Smart IP speaker to be floor, ceiling, wall or truss mounted.



G Livelab Tampere, Finland

The Finnish Musicians' Union's second live music venue adopts Genelec's Smart IP technology.

"The ability to have everything delivered over just a single cable is every installer's dream."

– Santtu Sipilä, Bright Installation Oy



Moesgaard Museum, Denmark

Innovative museum recreates the drama of Vesuvius's eruption with Genelec networked loudspeaker technology.

"In terms of installation, the Smart IP concept opens up a world of possibilities."

– Johan Ahrenfeldt, Moesgaard Museum



Designed for beauty and performance

Manufactured sustainably in Finland, Smart IP loudspeakers feature recycled aluminium enclosures and low power consumption, total reliability and long life.

You'll also benefit from extensive remote maintenance capabilities and an impressive 5-year parts warranty: not to mention Genelec's exceptional craftsmanship and total commitment to long term product support.

Sustainable profitability

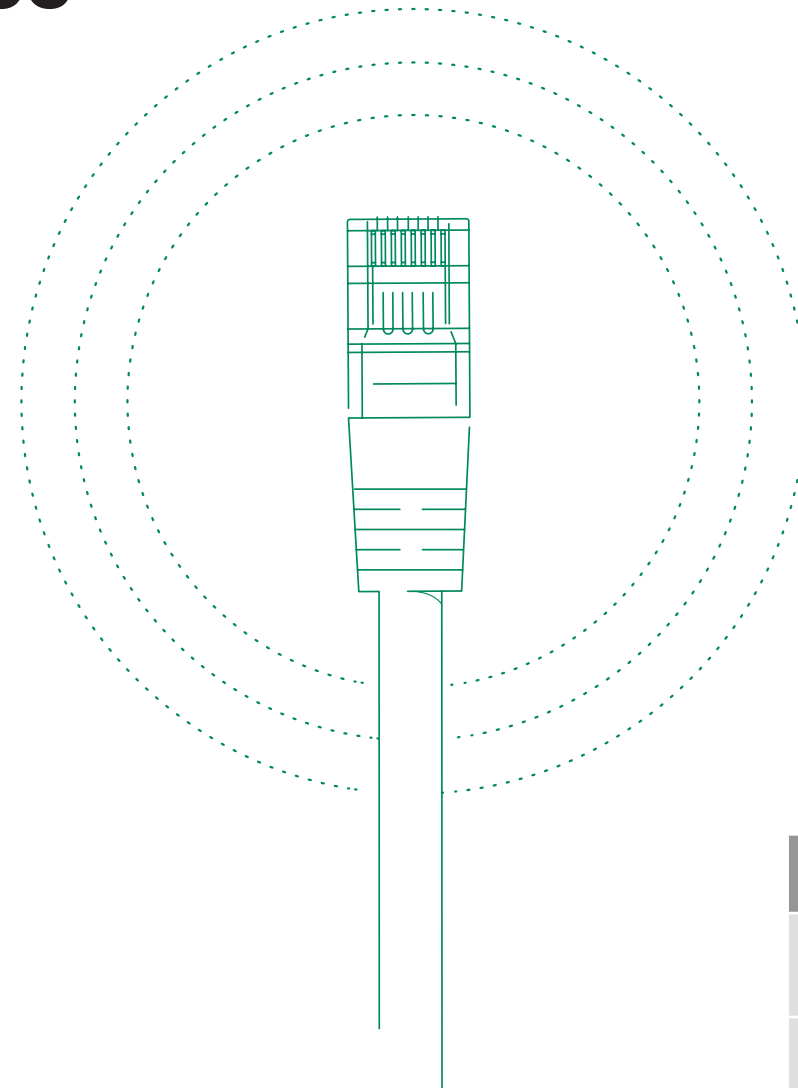
Thanks to its single cable technology and the ability to utilise existing IT infrastructures when possible, Smart IP provides true, sustainable profitability for all installation projects and since our patented dynamic power technology helps Smart IP speakers use less electricity, you'll be benefitting from high performance reproduction and lower power consumption too.



Harri Koskinen

Since the company's birth in 1978, Genelec has recognised the value of high-quality design. Internationally renowned Finnish industrial designer Harri Koskinen has collaborated with Genelec for many years, bringing a unique aesthetic voice to our products.

Industrial design has always been at the heart of any product and is part of our innovative company culture. Functionality, versatility, noble materials and aesthetics are rooted in Koskinen's designs, leading to timeless products with classical beauty. Koskinen's industrial design is an essential part of Genelec's identity, and his vision has changed our corporate image forever.



Beauty and simplicity on both sides of the wall

Simplicity is the ultimate sophistication. And when you combine our innovative Smart IP technology platform with the new PoE-powered 4420 and 4430 loudspeakers, you get both. With everything you need to power small- to medium-sized systems via one standard CAT cable, Genelec has introduced beauty and simplicity to both sides of the wall.

Models & Tech specs

For more detailed technical information and documentation, please visit www.genelec.com/smart-ip



Model	Colours	Drivers	Max SPL	Frequency Response	Amplifier	Dimensions/Weight
4420A	Black, white, raw & 120 RAL	105 mm + 19 mm	100 dB (1 m)	55 Hz – 39 kHz (-6 dB)	Integral	H 226 x W 189 x D 143 mm 3.1 kg
4430A	Black, white, raw & 120 RAL	130 mm + 19 mm	104 dB (1 m)	45 Hz - 39 kHz (-6dB)	Integral	H 285 x W 189 x D 178 mm 5.1 kg

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