GENELEC® | Smart IP

Power to the speaker.

Power to the installer.

GENELEC

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.
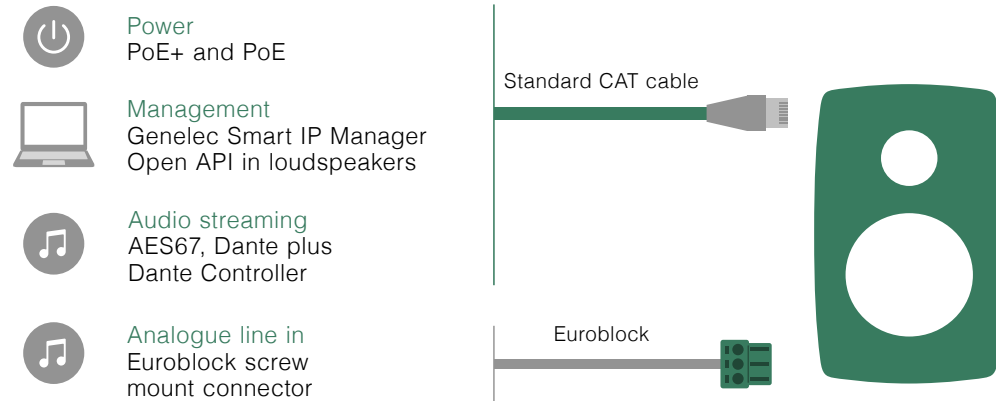
Smart IP saves professional audio system designers, integrators and installers valuable time — without sacrificing Genelec's renowned audio quality. The growing family of Smart IP loudspeakers serve a wide range of applications, room sizes, and project scales.

Smart IP technology offers installers the extraordinary coverage, clarity and intelligibility that Genelec is renowned for, coupled with a time-saving efficiency that will reduce installation man-hours and boost your bottom line.
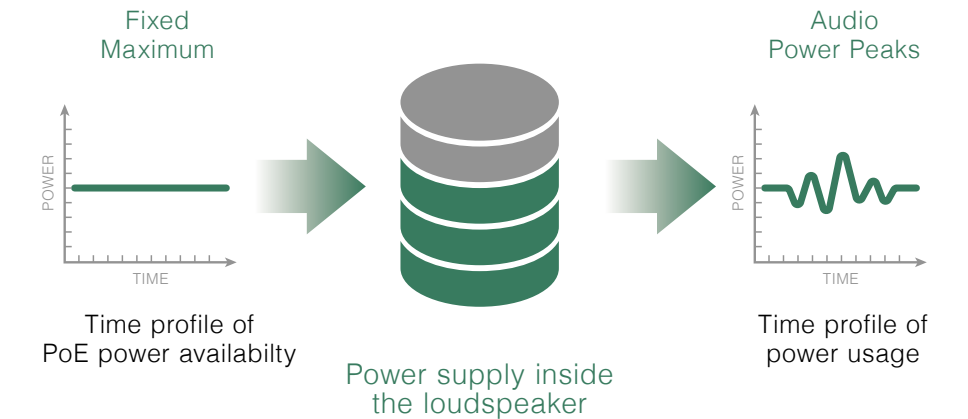
Based on IP and Power-over-Ethernet (PoE) technology, Smart IP utilises proprietary internal power management that delivers a significantly higher SPL than was previously possible via any conventional PoE. In fact, Smart IP can produce maximum SPL whenever needed, sufficient to power small and medium 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.

Complete audio connectivity

Configure and manage networked audio using Dante Controller. 4420 and 4430 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.

Power
PoE+ and PoE

Management
Genelec Smart IP Manager
Open API in loudspeakers

Audio streaming
AES67, Dante plus
Dante Controller

Analogue line in
Euroblock screw
mount connector

Standard CAT cable

Euroblock

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.
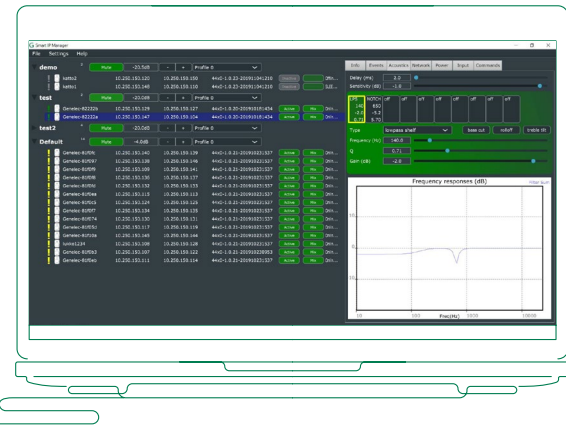
Fixed
Maximum

POWER

TIME

Time profile of
PoE power availabilty

Power supply inside
the loudspeaker

Audio
Power Peaks

POWER

TIME

Time profile of
power usage

Smart IP Manager

Total control, flexible system management, anywhere, anytime

Single-cable simplicity is only the beginning. Genelec Smart IP Manager software enables flexible system configuration, supervision, management and monitoring over IP. Manage all loudspeakers as one system. Configure, monitor and maintain systems to better serve your clients. Control performance, and create loudspeaker groups for different rooms, spaces and environments. Even operate remotely.

Proven, time-saving software

With an intuitive suite of software tools to solve installation audio challenges — including device discovery, IP configuration, zone assignment and status monitoring. With full access to DSP for room equalisation and delay. Save time and ensure systems perform with outstanding clarity and speech intelligibility, even in challenging acoustic environments.

Connect, calibrate and control

Manage from a single screen, divide your system into any number of rooms or zones. Featuring a public API command set for easy integration with AV control systems. Give end users instant access to volume, power on/off, loudspeaker activity or pre-programmed audio settings.

Smart IP Controller

Intuitive remote control

For less complex installations, the Smart IP Controller app can be downloaded to mobile devices and tablets, providing the end user with day-to-day control of key loudspeaker functions including mute, volume control and power on/off, plus overall zone control. Once the system has been configured by the installer using Smart IP Manager software, the Smart IP Controller app provides an intuitive, low cost alternative to third party AV control systems.

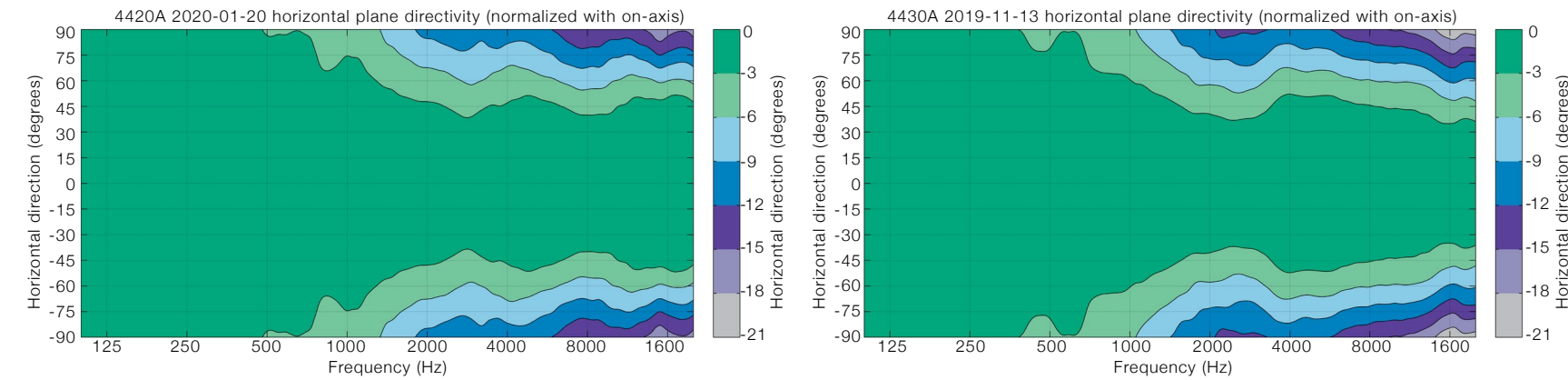GET IT ON Google Play

Download on the App Store

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 linear 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. Please note, the 4410 is only available in black or white.

...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.

Loved by the industry
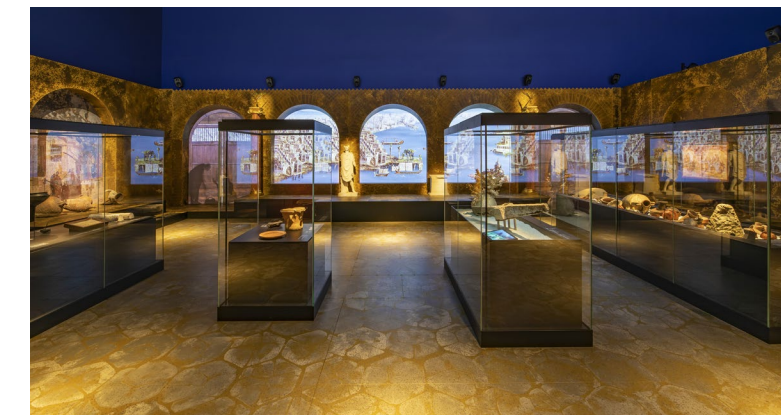

Corporate: Cecil Coworking, Sweden

Genelec provides a widely scalable audio solution for Cecil Coworking's premium environment.

"The solution needed to remain cost-effective, easily serviceable, easy to install, and sustainable." Magnus Westin, Scan AV

Public Places: Moesgaard Museum, Denmark

Moesgaard Museum recreates the drama of Vesuvius's eruption with Genelec networked loudspeaker technology.

"Despite the openness of the space, the transitions between the different areas work very well." Johan Ahrenfeldt, Moesgaard Museum

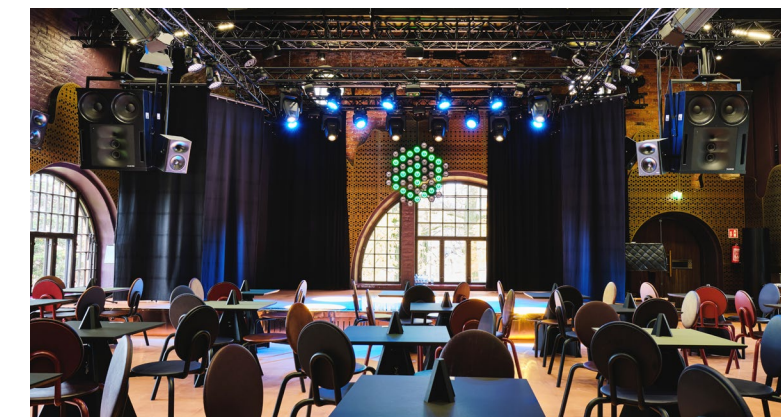## Hospitality: Lisa Elmqvist Restaurant, Sweden

Genelec delivers premium audio to one of the world's premier food halls on a tight timescale thanks to Smart IP.

"This kind of flexibility is priceless and clearly a huge advance in the world of AV integration." Dragan Nedeljkovic, JAM Stage & Proaudio

Music Venues: G Livelab, Finland

Genelec Smart IP opens up a 'world of possibilities' for new G Livelab venue, ensuring the legacy of live music in Tampere.

"The ability to have everything delivered over just a single cable is every installer's dream." Santtu Sipilä, Bright Installation Oy

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 loudspeaker support.
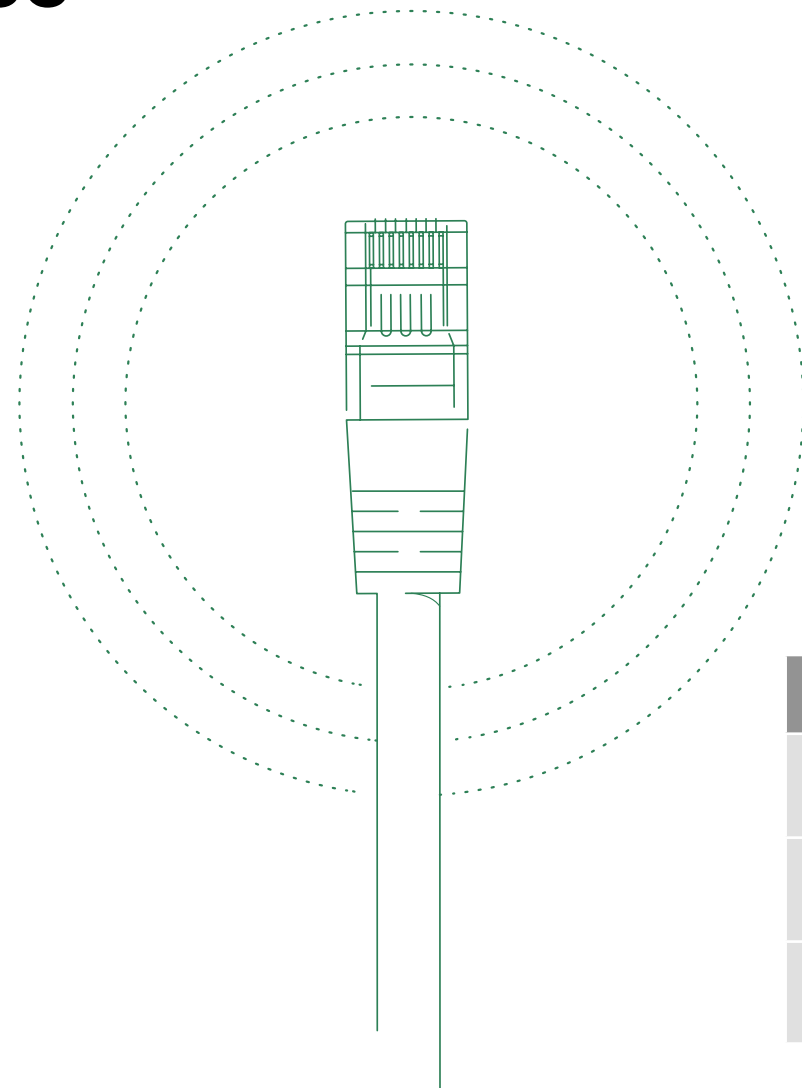
Sustainable profitability

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 loudspeakers.

Industrial design has always been at the heart of any loudspeaker and is part of our innovative company culture. Functionality, versatility, noble materials and aesthetics are rooted in Koskinen's designs, leading to timeless loudspeakers 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 4410, 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

Model	Colours	Drivers	Max SPL	Frequency Response	Amplifier	Dimensions/Weight
4410A	Black & white	76 mm + 19 mm	100 dB (1 m)	67 Hz - 40 kHz	Integral	H 181 x W 121 x D 115 mm 1.5 kg
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

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

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