

enhanced room geometry optimization

analyze this

ERGO™



## Stop putting up and pick up an ERGO™

A great mix starts with a great recording room. But when it comes to achieving the most accurate mix, your room may have the upper hand. Like any room, your studio's acoustics include offending frequencies and room reflections, and none of these are helping your mix. Getting a handle on these problems has traditionally meant the installation of soft foam or fabrics, and that's a great start. But now you can get even closer to a perfect room, and a perfect mix, because the future of studio sound is here, and it's called ERGO.



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## You have issues – you need ERGO

KRK, long known for highly accurate studio monitors brings you ERGO (Enhanced Room Geometry Optimization). ERGO is for the recording engineer, DJ, or musician that monitors in less-than-perfect acoustic conditions– isn't that most of us? ERGO is a digital room analysis/correction system designed to measure and analyze phase/frequency problems within a listening environment. The powerful digital signal processor in the ERGO unit processes audio to correct for the offending issues. So, you can stop worrying about your studio's acoustics and start focusing on your mix!

ERGO's high-end sound quality makes it perfect for the discriminating audio professional, while the affordable price puts it within reach of the typical recording hobbyist. Every studio needs an ERGO, because even the most accurate monitor in an imperfect room isn't going to solve mixing problems, but ERGO will. ERGO also makes your mix translate from the studio to different environments. How good is a great track that only sounds great in your room? With ERGO, your mix sounds great everywhere you, or your fans want to hear it. Want better sound, and in more places? Put an ERGO in the mix.

ERGO is a digital room analysis/correction system and consists of the ERGO unit, a microphone, and control software. These three pieces are used to measure and analyze phase/frequency problems within a listening environment.



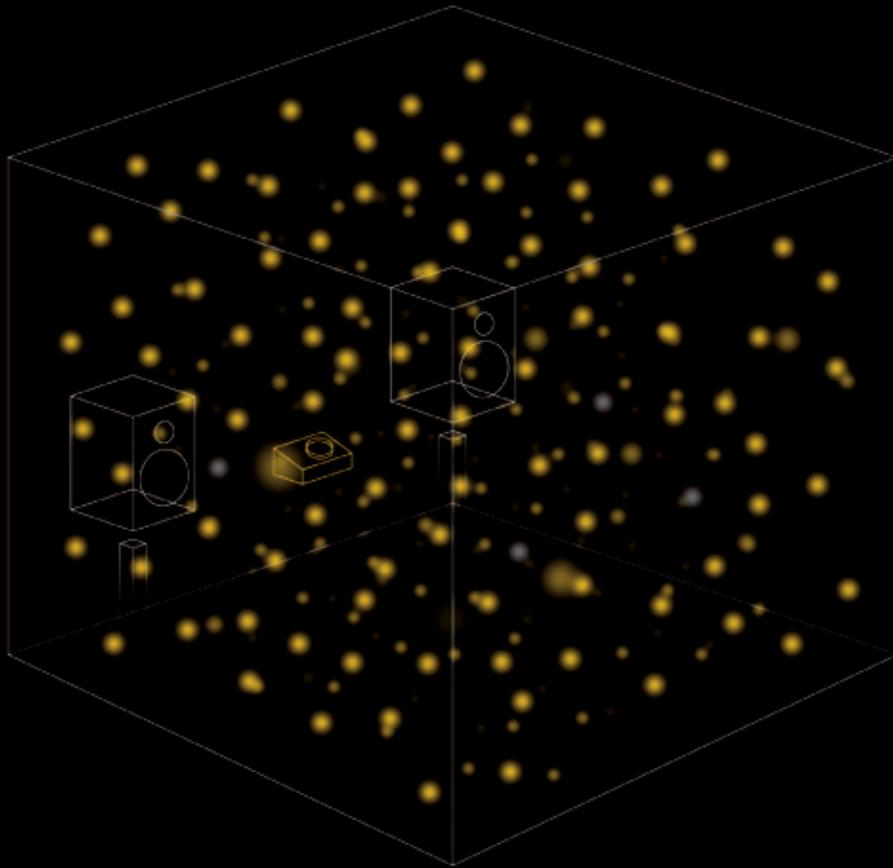
“ I need the power to control my environment,  
not have my environment control me.”

– Tal Herzberg

Grammy nominated Producer/Engineer

Tal Herzberg is a Grammy nominated producer/engineer, with recent credits for Christina Aguilera, the Black Eyed Peas, Herbie Hancock, Joss Stone, American Idol, the Pussycat Dolls, and JC Chasez.





### Smarter than your average gear

Room correction products aren't new, but thank goodness ERGO is. While conventional room correction systems utilize simple analysis and limited bands of EQ (often fewer than 8), ERGO uses multiple measurements and proprietary algorithms to create a 3D image of the room, and then applies 1024 dynamic filters to control the audio environment. Our 3D model allows users to preserve the "good" characteristics of the room, while correcting the bad... ERGO doesn't color the sound or produce an artificially sterile environment. ERGO produces the best mix for a given room; a mix that will translate better to other listening environments, since it was mixed in a "perfect" room.

LYNGDORF

ROOMPERFECT

The sophisticated room analysis and correction system within ERGO, called "RoomPerfect" was developed by Lyngdorf Audio in Denmark after many years of R & D work. The patented algorithm in the system compares many measurements and corrects for phase and frequency problems using thousands of filters, not just a few. The result is the most accurate mix.

**ERGO, analyze this!**

Lyngdorf Audio utilizes some of the best audio engineers in the world to develop superior technology. Lyngdorf Audio is the industry leader and cutting-edge digital audio company and we are proud to exclusively license their technology.



Plays well with others

ERGO integrates with all PC and Mac-based computer recording systems. In these environments ERGO appears as a standard PC or Mac Firewire audio interface, so setup is easy and compatibility is assured. With ERGO's analog inputs you can still use whatever non-computer based recording hardware you are currently using without having to re-configure your system. In an analog mode ERGO sits between your existing recording interface or mixer and your speakers. ERGO also integrates with Pro Tools by allowing a S/PDIF signal to be digitally connected. Assign the S/PDIF output of your Pro Tools rig as your main Left/Right outputs, then connect ERGO, and experience perfect sound. And because all processing resides in ERGO no overhead is needed from the computer audio system.



### A brain and a great body

If the sophisticated room analysis wasn't enough, ERGO can help around your studio in other ways too. Ergo can switch between two sets of full range monitors, or two monitors and a subwoofer via its front panel controls. Switch easily between monitors or monitors and sub systems. Each set of speakers will have their own correction filters. ERGO also provides a choice of selecting between two stereo audio streams through the headphone output. While ERGO's large volume control delivers ultra-smooth response of ERGO's A/B/Sub outputs. ERGO has your connections.

Finally, ERGO is all about quality construction. From its sturdy anodized aluminium case and die-cast end-caps, to its use of 120dB SNR converters, ERGO feels and sounds solid and robust. Smart and strong, ERGO is the perfect solution in an imperfect world.



## One size fits all... Small



## Under the hood

<b>Processing</b>	400MHz Blackfin DSP RoomPerfect Algorithm Sample Rate - 96KHz Room Correction Frequencies 20-500Hz 1024 tap FIR filter for room correction
<b>Audio Spec</b>	Audio Spec A/B Speaker Select and Control Stereo Audio-In S/PDIF In (32KHz-96KHz) 118dB SNR and Dynamic Range THD+N -100dB
<b>Firewire Spec</b>	Mac, WDM, and ASIO Driver support Firewire Recording Interface Capable Simultaneous 4 in, 6 out
<b>Mechanicals</b>	Illuminated Controls Measurement Microphone Headphone Output
<b>Dimensions</b>	ERGO: 180mm (7") x 55mm (2.2") x 107mm (4.2") Microphone Length: 197mm (7.75")
<b>Weight</b>	ERGO: 610g (21.5 oz)

## We'll show you ours... Features that is

**Large Volume Knob** Ultra-smooth response volume control provides simultaneous control of ERGO's A/B/Sub outputs

**"A" Speakers** Enables or disables the audio being sent to the "A" speakers

**"B" Speakers** Enables or disables the audio being sent to the "B" or subwoofer speakers.

**Room Correction** Turns room correction processing on or off.

**Focus/Global** Our 3D model allows users to preserve the "good" features of the room, while correcting the bad. ERGO also doesn't color the sound or produce an artificial anechoic environment. Normally, ERGO corrects for your monitoring position. This gives you perfectly corrected sound while mixing. In Global mode, the corrected spot is widened so that others (producers, musicians, groupies) can enjoy your mix in a corrected environment.

**Headphone Volume** (side panel) Adjusts the output level of the headphone jack. The headphones have their own independent audio stream, or can mirror the A stream.

**Calibration Switch** (back panel) this enables the room calibration microphone and places ERGO into analysis mode.



Just when you thought room correction was enough

ERGO not only corrects for your acoustic environment, it also helps your control environment. Because as much care went into ERGO's ergonomic structure as its correction capability, you have even more control of your mix under just one hand. First a large analog volume control provides ultra-smooth control over all ERGO's outputs. ERGO's independent headphone volume control and speaker switcher are also right where you can find them without a second look. Add Firewire recording interface, S/PDIF input and subwoofer control and you have correction and control all in one small package. Now how much would you pay?

## You turn me on

Go ahead and turn it on. With all this power at your fingertips, all that's missing is your creative touch. ERGO's small footprint covers your correction and control needs, not your workspace. Whether you work in a home studio, or professional mastering facility, ERGO needs to be part of your mix.



KRK ERGO



## Pack an ERGO and pack a punch

Want the ultimate room correction and control? Welcome to the future of studio sound, welcome to ERGO. Why waste your time, talent and creativity on the hit-and-miss methods of yesterday, when ERGO is precise, accurate and here today. Let ERGO perfect your room and your setup, while you perfect your mix. If you're passionate about your sound, and work in anything from a home studio to a professional mastering facility, ERGO needs to be part of your life.

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