

TOMORROW'S

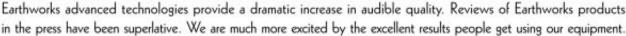
TECHNOLOGY

TODAY

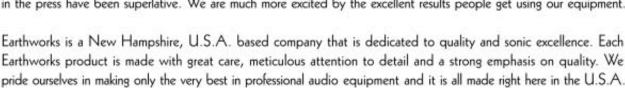
About Earthworks

Earthworks was formed by David Blackmer, the brilliant inventor and founder of dbx™, where he invented new technologies in VCAs and true RMS detectors for companders and compressors. At Earthworks his passion focused on inventing new technologies for microphones, preamplifiers and monitor speakers. These new advanced, patented technologies provide Earthworks with the ability to manufacture the "next generation" of professional audio products that will significantly outperform any other quality professional audio equipment on the market.

Those who use Earthworks microphones, amplifiers and monitor speakers refer to them as "stunning," "most impressive" and "life changing." This is because



Earthworks product is made with great care, meticulous attention to detail and a strong emphasis on quality. We pride ourselves in making only the very best in professional audio equipment and it is all made right here in the U.S.A.



Warranty

We view our products as creative tools and understand the importance of reliability in the field. Earthworks provides a two year warranty on parts and labor, unless the unit is damaged by abuse or modification.

If you have any questions or if we can assist you in any way, please contact us by email or phone from 9am to 5pm EST. We also invite you to visit our website for additional information.

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extended high frequency response and better time domain performance will yield a substantial audible improvement and more life-like results. The time resolution of human hearing is 10 microseconds or better, which corresponds to frequencies beyond 80 kHz. People continue to be astonished and amazed when they use our products with extended high frequency response. While you may not be able to hear pure tones beyond 15kHz, you will hear the difference in the time domain and impulse response of live music. If you don't believe us, then listen to one of our Demo CDs, or better yet, try out one of our microphones, amplifiers, or monitor speakers. The proof is in the listening.

Why Earthworks Microphones?

Earthworks microphones are not just another version or variation of existing microphone technology — they utilize proprietary, patented, and advanced design technologies that are not available in other microphones. There is an incredible, audible difference. Here are the

> Superior Impulse Response - the speed and accuracy with which a microphone responds to a signal with fast rise times such as percussion, guitar and brass. This helps retain the attack, punch and excitement in recorded music and sounds.

> Fast Diaphragm Settling Time - how long it takes a diaphragm to return to rest. If a microphone's diaphragm is still vibrating from previous sounds while it is trying to pick up new sounds, it adds coloration and smearing of low-level signals that contain important minute details.

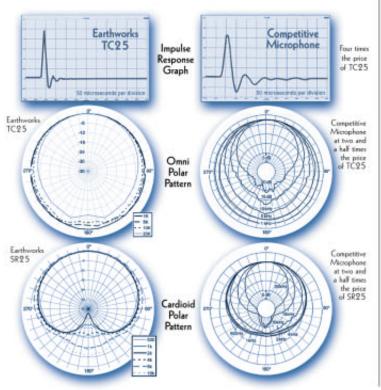
Pick-up Pattern Technology - maintaining accuracy and uniform frequency response throughout the pick-up pattern. With this improved uniformity there is no spotlighting, less off-axis phase problems and more gain before feedback.

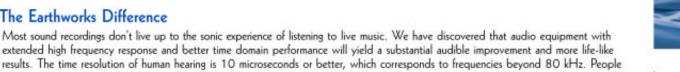
Extended Frequency Response - capturing high frequency details and overtones is a clear advantage when using today's higher sampling rates for recording. Our proprietary technology provides higher frequency response, better impulse response and time domain accuracy, which will capture overtones and details that conventional microphones mask.

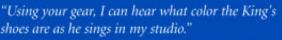
Technological innovation provides dramatically superior performance.

p QTC40

You will be astonished when you first use an Earthworks Microphone. You will hear more clarity, detail and transparency than you have ever heard from a microphone. Musical instruments and vocalists will sound more real, vibrant and alive. Earthworks microphones have incredible performance because of superior impulse response, fast diaphram settling time, advanced pickup pattern technology and extended frequency response. Our microphones come in 20kHz, 25kHz, 30kHz, 40kHz and 50kHz models with a variety of pick-up patterns. You can choose the microphone that best suits your requirements and pocketbook. Remember, the higher the frequency response, the better the impulse response.











The QTC series (Quiet Time Coherent) is designed for recording quieter sources such as vocals, strings and distant miked orchestras or choirs. Earthworks' reputation for realism is based on these distinctive omnis. Their degree of clarity is unparalleled. Our claim of Time Coherent Response means these models do not smear the time domain as most microphones do. Earthworks microphones have exceptional impulse response and diaphragm settling time. QTC microphones handle sound levels up to 142dB with no proximity effect or handling noise. All models are available in matched pairs. (see page 12 for microphone specifications)

For Quieter Sources



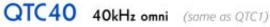




QTC50 50kHz omni



The Quiet Time Coherent QTC50 is an exciting new addition to the Earthworks microphone line. It has all of the exceptional attributes of our popular QTC40 (same as QTC1). The QTC50 has an extended high frequency response to 50kHz and better impulse response. This microphone is for the sterling purist who demands the very highest quality. The QTC50 is it!



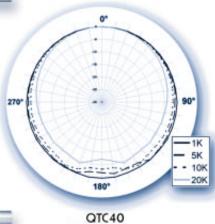


The Quiet Time Coherent QTC40 (same as QTC1) has been called "the most accurate recording microphone available." For classical location recording a matched pair will provide spectacular results. It is ideal for quieter, more detailed sources and doesn't have most of the problems and limitations generally associated with competitive microphones. Its impulse response and diaphragm settling time is exceptional. Its sound is uncolored and it has no handling noise. The QTC40 will change the way you think about microphones.

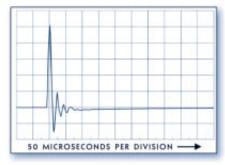
QTC30 30kHz omni



The Quiet Time Coherent QTC30 has an excellent cost/performance ratio. With a frequency response to 30kHz and excellent impulse response, it will reproduce sounds with incredible detail that are true and life-like, making it an ideal and affordable choice for recording applications. Its small stainless steel body is 6.5 inches long and has no handling noise.



OTC40 Polar Response



QTC40 Impulse Response

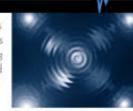


[&]quot;In our tests, the QTC1* omnis were obviously more open, detailed, spacious, and had a 'realism' for lack of a better word, that blew the B&K's off the stage. It is no exaggeration to say that it was no contest."

TIME COHERENT OMNI MICROPHONES

The TC series (Time Coherent) is designed for recording louder sources such as drums, percussion, amplified instruments and loud sound effects. Microphones in this series allow recording of louder acoustic sources without overloading the preamplifier. They effortlessly handle high sound pressure levels up to 15OdB SPL while simultaneously capturing subtle details. The TC series provides all of the same attributes as the QTC series in impulse response, diaphragm settling time and extended frequency response. All models in the TC series have an exceptional flat frequency response and are time coherent, so they sound natural and uncolored. All models are available in matched pairs. (see page 12 for microphone specifications)

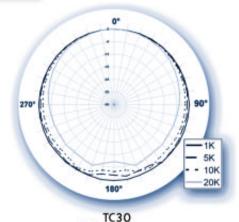
1997



TC30 30kHz omni (same as TC30K)



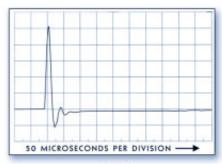
The TC30 (same as TC30K) is a general-purpose omni. It is an ideal choice for close miking louder sources like guitar, bass, piano, horns and percussion. The TC30 is very popular for drum overheads. It is incredibly clean up to 150 dB SPL while simultaneously capturing subtle details. Its fast, clean impulse performance yields a remarkably transparent sound. It is an excellent room mic for ambiance in the studio and for recording rehearsals and performances. It has no handling noise, no proximity effect and is very forgiving in terms of placement.



TC25 25kHz omni



The TC25 was engineered to be used in our DrumKit™ System, but can also provide stunning results on a wide variety of instruments and vocals. The TC25 has the same attributes as the TC30 except its high frequency response goes to 25kHz. It will handle up to 145 dB SPL, is smaller in size, weighs less, and costs less than the TC30. The performance vs. price ratio of this microphone is excellent. If you want to hear one in action, get a free DrumKit™ System Demo CD. (information on pages 6 & 7).



Polar Response

TC20 20kHz omni (same as SRO)



The TC20 (same as SRO) is our least expensive general-purpose omni with high frequency response to 20kHz. Its sound and performance is similar to the TC30 or TC25 and covers the same range of applications. For live sound the TC20 can be used for close miking instrument amps, drums or brass. A TC20 under the strings of a standup bass or inside a kick drum will produce amazing sound. A pair of TC20s connected to a stereo recorder will provide great results for recording rehearsals and performances. The TC20 is great for general studio use and is an exceptional value.

TC30 Impulse Response For Louder Sources

TC30

TC25

TC20

3

"I just wanted to drop you a line to tell you that I LOVE those microphones! I used both SROs* in a near coincident pattern about 6" from the instrument and it just sounded wonderful."

— Bill Thompson

RECORDING & LIVE PERFORMANCE



Earthworks cardioid microphones are unlike all the rest, as they have patented near-perfect cardioid patterns. The sound across the entire front hemisphere is remarkably uniform and is flatter at 90 degrees than most microphones are on-axis. This results in uncolored off-axis rejection for recording and greater gain before feedback for live sound. They effortlessly handle up to 145dB SPL while simultaneously revealing subtle details that other microphones mask. All SR models are a superb value and will provide excellent results for both live performance and recording applications. (see page 12 for microphone specifications)

For Quiet and Loud Sources

SR30

SR30/HC

SR25





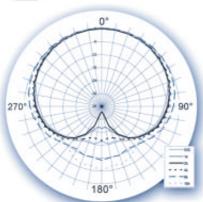


The SR30 (same as SR77) is a remarkable cardioid microphone that maintains most of the characteristics of our omni microphones. At 6 inches away from the source it sounds as onmi-like as a cardioid can. The offaxis rejection is substantial yet uncolored. Its impulse response is very fast and smooth and the sound stays the same across the entire front hemisphere of the pickup pattern. In the studio or on the stage, the SR3O is an ideal choice for a variety of acoustic instruments including sax, flute, trumpet, guitar, piano and drums. It is superior for choir because it doesn't spotlight; rather it picks up an entire section or area with no hot spots. The SR30 is popular among concert tapers because of its open uncolored sound and among jazz enthusiasts for its ability to capture explosive performances while retaining the subtle nuances of artistic expression.

SR30/HC 30kHz hypercardioid (same as SR78)



The SR30/HC (same as SR78) offers exceptional directional performance for guitar, sax, flute, drums, bass, and vocals. It is ideal for natural sound combined with more off-axis rejection, or to reduce unwanted room sound. It can pick an acoustic instrument, like a guitar, out of an ensemble while still sounding detailed and life-like. It is a powerful tool for broadcast and vocal production applications because its clarity and detail enhances verbal communication. For open, uncolored clarity combined with off-axis uncolored rejection, try an SR30/HC and listen to what it doesn't pick up.

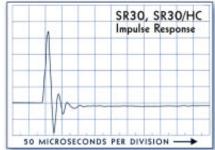


SR30 Cardioid Polar Response

SR25 25kHz cardioid

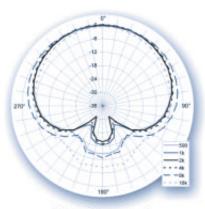


The SR25 was engineered to be used in our DrumKit™ System, but can also provide stunning results on a wide variety of instruments and vocals. The SR25 has the same attributes as the SR3O except its high frequency response extends to 25kHz. It will handle up to 145 dB SPL, is smaller in size, weighs less and costs less than the SR3O. The performance vs. price ratio of this microphone is excellent. If you want to hear one in action get a free DrumKit" System Demo CD. (information on pages 6 & 7).





As a vocal microphone the SR20 (same as SR69) is spectacular. It will accurately capture a voice with the same precision and quality up to 90 degrees off-axis. This means you can have the same pristine sound quality at the front and side of the microphone. Up close the SR20 is warm, not boomy, while its unique windscreen assembly eliminates the popping of P's. Its patented design and uniform polar response provide more gain before feedback than other microphones. Unscrewing the windscreen of the SR2O allows it to become a great instrument mic, outstanding for piano, guitar, drums, brass, woodwinds and other instruments. The SR20 will handle up to 145dB SPL and is an exceptional, versatile high quality microphone that is quite affordable.



SR30 Hypercardioid Polar Response

"What I like about the SR69* is that it has the acoustic transparency of an omni with the offaxis rejection of a cardioid. Its pick-up pattern is loose enough that it has very little coloration across a large enough area to be easy to use for vocals and acoustic instruments. I have recorded entire albums using the SR69* for all acoustic sources.'

FOR PODIUM, CHOIR AND INSTRUMENTS

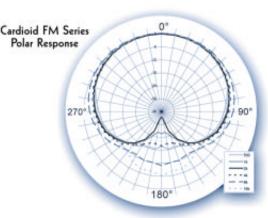
Earthworks Flex Series microphones offer exceptional intelligibility and

sound quality. Their patented pick-up pattern allows an orator to move up to 90 degrees off-axis and still be heard with exceptional intelligibility and sound quality. This is a real advantage for church, civic and corporate podium speech applications. As an added plus, the Flex Mics smooth off-axis response will provide more gain before feedback. The flexible neck allows adjustment of microphone positioning with no handling noise.



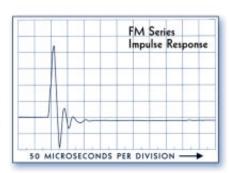


This extra long model (27 inches) is ideal for applications where extra length in a gooseneck is required. It can also be used as a choir mic or to pick up a group of mixed musicians with minimal visibility. The FM720 cardioid is totally flexible to allow precise positioning with no handling noise. Orators will be highly intelligible and you will have more gain before feedback. The FM720 is superb for extra flexible reach and is available in cardioid or hypercardioid.



FM500/HC

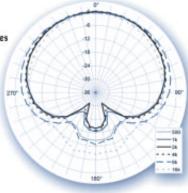
At 19 inches, this is just the right length for most podium and church applications. The FM500 cardioid can be adjusted with no handling noise and it will stay where you put it. It is also the perfect size to position unobtrusively in an instrumental ensemble or in front of a choir for sound reinforcement or recording. Orators will be highly intelligible and you will have more gain before feedback. Available in cardioid or hypercardioid.



FM360/HC

Hypercardioid FM Series Polar Response

The FM360 cardioid provides superb intelligibility and sound quality. Only 13 inches long, it is ideal for a wide range of applications from a tall lecturn to courtroom and tabletops. Orators will be highly intelligible and you will have more gain before feedback. Available in cardioid or hypercardioid.





Flex Mics are intended for podium use, however they can also be used as hanging choir or orchestra microphones. Their sound quality is comparable to other Earthworks high quality cardioids for a variety of applications such as vocals, piano, acoustic instruments and even drums. They are flat from 50Hz to 20kHz within + 2dB at 6 inches and will handle up to 145dB SPL. In addition to smooth frequency response (on and off-axis), they have impressive impulse response, diaphragm settling time and pristine sound quality that is not usually available in podium microphones. Earthworks Flex Mics provide high intelligibility for clear audible communication.

(see page 12 for microphone specifications)

"The FM360 mics were about 3 feet or so from the orator, (A. Busch III doesn't like shadows on his script), the audience was 6000, the mics were in the sound field of the main speakers, and yet I had great sound quality, more than adequate gain before feedback... thanks for a great product."





TC25

SR25

DRUMKIT"

The Earth System v

the way dr

Earthy

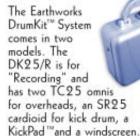
The typical practice of miking drums normally involves the use of five to seven mics, or more. While developing a new 25kHz Series of microphones for percussion we tried using only two mics for overheads and one for kick drum. The result absolutely blew us away. We then made a comparative recording of the same drum set using seven other mics that are some of the industry favorites for miking drums. The difference in detail and sound quality of the three Earthworks mics vs. the seven industry favorites was staggering. The Earthworks microphones captured every nuance of sound from each piece of the drum set with such an exceptional clarity and cohesiveness that it sounded like a "live" set of drums, not a bunch of pieces. This discovery led to the development of the innovative Earthworks Drumkit. System, providing a dramatic improvement in the sound quality of miking drums. This is truly astonishing — you must hear it for yourself.



PRECISION DRUM

The new 25kHz series of microphones was designed to be used for percussion. The TC25 omni has a frequency response of 9Hz to 25kHz and the SR25 cardioid response is 50Hz to 25kHz. Both models will handle up to 145dB SPL. The DrumKit™ microphones will also provide stunning results on a wide variety of instruments and vocals for recording or live sound. They are unlike any other microphones on the market due to our proprietary and patented technologies. (see page 12 for microphone specifications)

DK25/R (Recording)





The *KickPad"



A great kick drum microphone needs to be designed and optimized for that specific purpose. This means the microphone is great for kick drum and nothing else. To create a more versitile product we designed the kick drum optimization in an external XLR package

- the KickPad™. Just plug a KickPad™ into the mic line going to the SR25 kick drum mic for magnificent results. With the KickPad™ removed, you can use the same SR25 microphone for most anything. All three high quality Earthworks microphones in the DrumKit™ System can be used for other instruments and vocals. The KickPad™ can be used with any cardioid microphone used for kick drum.

Matched Pairs for Drum Overheads

For years, discerning recording engineers have been using Earthworks matched pairs of microphones for drum overheads with exceptional results. The TC30 and SR30 (same as SR77) matched pairs are very popular for this purpose. The TC25s and SR25s also come in matched pairs and are less expensive than the TC30s. Our most economical matched pair is the TC20mp (same as SRO box set).





The KickPad™ will also improve the sound of other popular microphones used for kick drum such as: AKG D112, E-V RE20, Sure 57, Audiv D-6 and others.



*Patent Pending

"I could not be more pleased with the new Earthworks™ 25 Series microphones. The SR25s are great for drum overheads. They have just the right amount of crispness, some air, and very little kick drum leakage... the drums sound great. I use a pair of TC25s on my grand piano and this is the best it has ever sounded... just fantastic. I can't find anything I don't like about these mics."

SYSTEM

works DrumKit*

ill likely change

rums are miked.

PURE SOUND

An Earthworks microphone is not just another microphone. Most every microphone on the market is just another version or variation of the same technology. In contrast, Earthworks utilizes proprietary, patented technology that will provide quality and performance other microphones cannot match. We are superior in several areas:

- Impulse Response the speed and accuracy in which a microphone responds to a signal with fast rise times
- . Diaphragm Settling Time how long it takes a diaphragm to return to rest
- Pick-up Pattern Technology maintaining accuracy and uniform frequency response throughout the pick-up pattern
- Extended Frequency Response capturing high-frequency details and overtones

For a graphic representation of the above, in comparison to competitive microphones, refer to the impulse charts and polar response charts on page one.



uniform off-axis response and has less susceptibility to acoustic feedback. The DK25/L comes in an attractive aluminum case ready for the road.

To get your free DrumKit™ System Demo CD and brochure, call (603) 654-6427, visit www.EarthworksAudio.com or send email to: drumkit@earthworksaudio.com

All microphones in the QTC, TC and SR series are available in matched pairs, with exception to the SR2O. All matched pairs come in attractive wood boxes.



TC20mp



Pro Audio Review PAR Excellence Award







KickPad™ plugged into mic line.

















"I used the KickPadTM on a wide variety of preamps and kick drum mics including the SR25. It was amazing, because the input channel was flat and no matter what mic or preamp I used, the kick drum sound was right on and I didn't need to add EQ or anything. In addition, the KickPadTM has the same effect as a PultecTM PEQ, at a fraction of the cost.

MEASUREMENT MICROPHONES

Earthworks has become the accepted standard for affordable, reliable reference and measurement microphones. These microphones are accurate in the time domain and frequency response and meet or exceed Type 1 specifications. Earthworks measurement microphones are optimized for clean, very fast impulse performance to provide accurate wideband response. They have virtually no handling noise and are remarkably stable with respect to temperature and atmospheric conditions. Our M Series measurement microphones are used by SMAART[™], MLSSA[™], Spectrafoo[™], TEF[™] and RTA in addition to acoustic measurement systems manufactured by dbx, DEQX and others. All models are available in matched pairs. (see page 12 for microphone specifications)

Measurement Microphones

M50

M30

мзовх

M50 50kHz omni (same as M550) 50 kHz Bevond the brick wall 3Hz to 50kHz +1/-3dB



The M50 (same as M550) is our top of the line measurement microphone with extraordinary impulse response for those who have stringent requirements and demand the very best. This microphone provides laboratory grade accuracy for research "beyond the brick wall." Requires 48V phantom power.

M30 30kHz omni

30 kHz Clean and Reliable 5Hz to 30kHz +1/-3dB



The M3O is a very cost effective reference microphone for SMAART™, MLSSA™, Spectrafoo™, TEF™ & RTA and all "audio band" measurements. It has a flat frequency response, fast impulse response and exceptional polar characteristics. Requires 48V phantom power.

M30BX 30kHz omni

Battery Powered M30 with built-in preamp 9Hz to 30kHz + 1/-3dB



The M30BX features a built-in preamplifier with a 14dB gain switch that will allow it to drive most computer sound card inputs directly. It is perfect for field measurement with a laptop computer and also sounds great for recording. A single 6V (P28 type) battery provides approximately 300 hours of M30-like performance. An XLR to RCA female adapter and microphone battery are included. You can easily purchase P28 type replacement batteries wherever watch and hearing aid batteries are sold.

M30, M30BX Impulse Response

M50

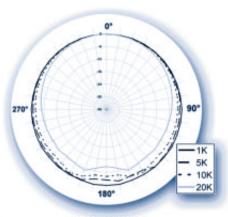
Frequency response	3 Hz to 50 kHz+1/3d5
Poter Patern	Omedinational
Sentity	30mWPs (-30.5 dBWPs)
Power Requierserés	40V Phanton, 10reA
Peak acoustic input	142 dB 8PL
Owput	XLR (PN 2+)
Minimum output load	6000 between pins 283
Noise	22/85 SPL equivarent (A waighted)
Directors L s D	229mm x 20mm (9 x 860 mohes)
maye	2059 (.54)

M30

Prequency response	5 Hz to 30 kHz+1/3 dB
Poter Patern	Oresidenctional
Sensitivity	9m/cPa (-42 dBWPa)
Power Requirements	46V Phantons, 10mA
Plack occupies reput	156 (B SPL
Overe	XLH (PW S+)
Minimum output load	900ci between pins 283
Notes	27d9 SPL equivalent (A weighted)
Dimensions L x D	239mm x 23mm (9 x .860 inches)
Meight	225g (58t)

M30BX

Frequency response	9 Hz to 30 kHz+1/3dB
Poter Pattern	Omnitirectional
Secutivity	BreikPis (-42 dBWPs) or 40micPis (-28d5/cPs) with 14d5 gain
Power Requirements	GH traditory- (25, (2021-1094) LBhopm of 4 (1944-18tepline gaptries 300 froum work Sheri
Peak sociatio input	14069 SPL, 12569 SPL w1409 gain
OAM	M.P (PN 2+) direct admost or unbelowed repd, offices most sound used inputs directly
Minimum output load	6000 between pile 263
Notes	27dBSPL equivalent (A weighted)
Dimensions L x D	230mm a 23mm; (8.45 x .910 inches)
Weight	190g (4b)



M30, M30BX Polar Response



Electronic Calibration files are available from Earthworks. Call 603-654-6427, or email: engineering@earthworksaudio.com



ZERO DISTORTION TECHNOLOGY

The ZDT preamplifier series is based on all new discrete circuitry designed by David Blackmer, establishing a new standard of sonic excellence in electronics. This exacting new standard provides frequency response from 1Hz to 200kHz +0.5dB, an incredible rise time of 0.27 microseconds and distortion of less than 1 part per million (0.0001%) eliminating all possibility of sonic degradation. These preamps are so fast, so clean and so transparent that you don't even know they are there. It is like plugging your microphone into a piece of "wire with gain." You will hear clarity and detail with the ZDT preamps that is not available in any other preamp at any price. Check one out for your studio or other applications that demand the highest quality electronics.





We Guarantee it! Buy a ZDT preamp and if you aren't totally satisfied with its performance you can return it to your dealer within 30 days for a full refund.

The Preamp You Don't Hear

- Zero Distortion less than one part per million
- Lowest Noise of any preamp on the market
- Full Differential (balanced) from XLR in to XLR out — no internal conversion to single-ended
- All Discrete Components; Class A Amplification (No ICs in the signal path)
- . No Electrolytic Capacitors in the signal path
- Greater Transparency with minimum signal path and minimum features

- High output level +33dBu
- Very Low Output Impedance will drive long lines without interference or signal loss
- True 48 volt phantom, polarity reverse, clip and Power-on LED indicators
- Separate XLR & 1/4 Phone (t/r/s) outputs, each with its own gain/level controls
- 1/4 Phone connector output will drive balanced or unbalanced inputs

1021



"Like Wire With Gain"

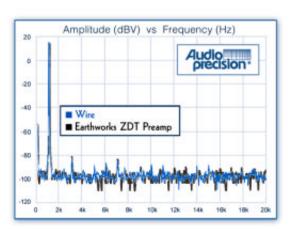
1022



1024



Zero Distortion Technology in amplifiers was invented by David Blackmer, the engineering genius of dbx® and founder of Earthworks. His goal was to create an amplifier that contributed no audible noise, distortion or color of any kind - absolutely pure amplification with nothing added, "Like Wire with Gain." And he did it! We proudly present the Earthworks ZDT series preamplifiers for those who wish to hear nothing in their amplification. To prove this point, we used an Audio Precision analyzer to measure the distortion of a piece of wire, then measured the distortion of our ZDT preamp. Please refer to the Audio Precision results on the graph to the right.



Distortion measurements made with the Audio Precision Model One Audio Analyzer.

"The Earthworks ZDT preamp is 60dB of nothing. I've never heard gain so pure."

40kHz PRECISION MONITORS

Earthworks Sigma 6.2 and 6.3 40kHz monitors are an acoustic reality check and perfect for all critical listening. They allow you to hear all of the detail in your recordings; detail previously masked by the inaccuracies of conventional monitors. The Sigma 6.2 and 6.3s apply the Earthworks principles of time coherent response and impulse response to the playback system with breathtaking results. They will not improve the sound of your recordings - they will tell you exactly what you have. In conjunction with Earthworks microphones and preamps, the Sigma 6.2 and 6.3 matched pairs will allow you to hear the source with accuracy and honesty for the very first time.

Sigma 6.2

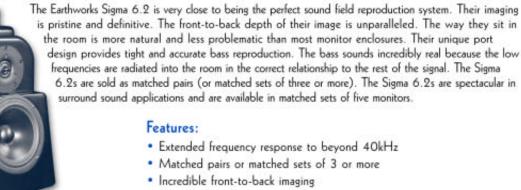
40kHz time coherent audio reference











Features:

- Extended frequency response to beyond 40kHz
- Matched pairs or matched sets of 3 or more
- Incredible front-to-back imaging
- Unrivaled impulse response
- · Full magnetic shielding
- Extremely smooth overall response
- · No bass peak in the low frequency response
- No listening fatigue
- Optimum listening distance: 3' to 9' (1m to 3m)
- Available in attractive black finish



Pro Audio Review PAR Excellence Award for 2003

The New Standard of Excellence



There is great attention to detail and quality in construction of the Sigma Monitors: all components are custom selected and integrated creating matched pairs; point-topoint crossover

construction, heavy gauge air core inductors, fast clean polypropylene capacitors; the best tweeter we've ever measured; die-cast aluminum frame 6.5" woofer, gold-plated insulated WBT binding posts; precision machined custom hardware; high efficiency internal absorber; high quality WBT silver solder and OFC wire.

Sigma 6.3

40kHz time coherent audio reference with dual low frequency drivers

The 40kHz Sigma 6.3 monitor was designed using all of the technology and high quality construction of its predecessor, the Sigma 6.2. The Sigma 6.3 features dual low frequency drivers to achieve more powerful low frequency response and wider "sweet spot." The Sigma 6.3 has the same impressive impulse response and imaging as the Sigma 6.2 The optimum listening distance for the Sigma 6.3 is 5 to 18 feet. This is the monitor system for the studio or listening facility of those who demand only the very best.

The Sigma 6.3s are spectacular in surround sound applications and are available in matched sets of five monitors.



Sigma 6.2 Frequency Response dB 10.0 5.0 0.0 10.0 1000.0 10000.0

Sigma 6.2 Impulse Response TIME IN MILLISECONDS

"I just had a chance to audition a pair of Sigma 6.2s for a week and you will have to pry them from my cold, dead hands if you want them back."

EARTHWORKS AUDIO EXTRAS



Foam Windscreen for Flex Mics (all models) & SR25



100 mile per hour Foam Windscreen for TC, QTC & M Series Mics



Foam Teardrop Windscreen for Omni QTC, TC & M Series Mics



Acrylic Tube for one Mic (QTC, TC, SR & M Series)

SRW2



Stainless Steel Windscreen for SR30 & SR30/HC

SRW1



Black Aluminum Windscreen for SR2O, SR3O, & SR30/HC

MC1



Standard Microphone Clip (QTC, TC, SR & M Series)

MC2



Standard Shock Mount Microphone Clip (QTC, TC, SR & M Series)

EWB1



Wood box for one Mic & Windscreen. For models SR30, SR30/HC, & SR20

EWB2



Wood box for one Mic & Windscreen. For Models QTC50, QTC40, TC30, M50 & M30

EWB3



Wood box for one or two M30BX Mics

EWB4



Wood box for one or two Mics. For models TC20, TC25, QTC30 & SR25

ECB1



Cherry Box for two Mics (QTC40, QTC50, TC30, SR30, SR30/HC), M50 & M30

KP1 KickPad™



"INSTANT KICK DRUM SOUND" Just plug this XLR inline processor into the mic line feeding your kick drum mic. Works with all cardioid mics used for kick drum.

ADP1



1/2" calibrator adapter for measurement mics

SPECIFICATIONS AND DIMENSIONS



This specifications section reveals the results of our research and development efforts, in addition to our strong commitment to manufacture the very best professional audio products that money can buy. Our superb product performance is due to proprietary advanced technologies, precise manufacturing techniques and tolerances, and a total commitment to product reliability. Dedicated employees work hard to insure that every Earthworks product meets only the highest of exacting standards. The following specifications are proof of the incredible Earthworks difference.

QTC50

Prequency response	3Hz to 50kHz +1/-3dB
Polar Pattern	Omnidirectional
Sensitivity	30eWPe (-30.6 dBVPa)
Power Requirements	49V Praction, 10rsA
Post accepto light	142 dt 64L
Dubui	XLIT (79N 2+)
Minimum output lived	900G between pine 263
Name	22 dB SPL (A weighted)
Dimensions L s D	228mm x 22mm (0 x 880 inches)
Weight	225g (.5b)

QTC40

Frequency response	4Hz to 40kHz ±1dB
Potori Porseri	Orendanctional
Sensitivity	30nWPa (-30.5 dBWPa)
Figure Angles and Angl	49V Phanton, 19/LA
Peak accustic input	142 48 8PL
Output.	XL/I (PIN 2+)
Minimum output load	6000 between pins 28.2
Noise	22:68 SPL (A weighted), 24.6 dB SPL (Unweighted)
Dimensions L+D	229mm x 22mm (9 x 860 inches)
Weigne	225g (5b)

QTC30

Frequency response	6Hz to 30kHz +1/3dB
Polar Pattore	Orenidirectional
Sometivity	SDWVPa +30.5 dBWPW
Power Requirements	481/ Phantons, 10mA
Peak acountic input	142 dB 5PL
Output	ALTI (PIN 2+)
Minimum sulput lossi	6000 between pins 262
Noise	22:08:3PL (A weighted), 24.5:d8:3PL (Unweighted)
Denominos L x D	166/mm x 22mm (6.25 x .860 inches)
Weight	160g (.35lb)

TC30

Frequency response	9Hz to 30kHz +1/-3d5
Poter Patient	Omnidirectional
Sensitivity	StrAVPs. (-42 dBV/Ps)
Power Hequipments	49V Phenton, 10rsA
Peak accessor input	15045 SPL
Output	XUR (PIN 2+)
Minimum output least	600G between pins 263
Notes	27dB SPL equivalent (A weighted)
Dimensions L x D	225min x 22mm (0 x 860 mohes)
Weight	225g (58)

TC25

Frequency response	9Hz to 25WHz +1/-3dB
Polisi Polisin	Ornidirectional
Sensitivity	BeWPs (-42 dBWPs)
Power Requirements	497 Phonton, 10mA
Posk accusto input	146 d3 SPL
Output	XUR (FIN 2+)
Minimum cutput load	6002 between pins 263
Noise	27 dB SPL equivalent (A weighted)
Dimensions L x D	165mm x 22mm (6.5 x 860 inches)
Weight	168g (39b)

TC20

Proquency response	10Hz to 20kHz ±2d
Poten Poten	Omnidirecturus
Sensitivity	8minPa (-42 d8WPa)
Power Requestrants	46V Pharton, 10nA
Posk accepts input	140 dd 5PL
Oulput	XLR (PN 2+)
Minimum output load	60002 Detween pins 21
Notice	27dS SPL equivalen (A weighted)
Dimensions L + D	166mm x 22mm (6.5 x .860 inches)
Weight	160g (.35b)

SR30

3K3U	
Frequency response	30Hz to 30kHz ±1.5dB @6" (15cm)
Polar Pattern	Cardiold
Sonathiny	19/1/Pa (40 66WPa)
Power Registerens	481/ Phonton, 10mA
Peak accuetic input	145 dB SPL
Output	XLR (PN 2+)
Minimum output load	600G between pins 282
Noise	22d5 SPL equivalent (A weighted)
Dimensions LxO	212min s 23min (8.4 x 360 inches)
Weight	225g (58s)

SR30HC

Frequency response	90Hz to 30kHz ±1.5dB @ 6" (15cm)
Polar Patient	Hypercontrold
Sernitrity	10mWPs 1-40 dtY6Ps)
Power Requirements	48V Phantons, tomA
Peak acoustic input	145 dB SPL
Dapa	XLR (PN 2+)
Mineraph sulput load	6000 between juns 263
Noise	22:d3:SPL equivalent (A weighted)
Directions L x D	21(2mm s 22mm (8.4 x .860 inches)
Waget	225g (-9b)

SR25

Frequency response	50Hz to 25kHz ± 2dB @ 6" (15om)
Polar Patien	Cardioti
Semilivey	10mW/Ps (-40 d5WPs)
Power Requirements	40V Phenton, 10mA
Peak acoustic input	645 dB SPL
Output	XLR (PIN 2+)
Minimum output load	9000 between pins 283
Noise	22 dB SPL equivalent (A weighted)
Dimensions L s D	165mm x 22mm (6.5 x .560 inches)
Weight	180g (.360)

SR20

Frequency response	60Hz to 20kHz ±2xB @ 6" (15xm)
Polar Patiern	Cardioid
Sensitivity	100V/Pa (-43 86V/Pa)
Power Requirements	48V Phantom, 10mA
Pack accusting	145 dB 5PL
Output	XLR (PN 2+)
Minorum output load	6000 between pins 263
Notes	22/d5 SPL equivalent (A weighted)
Directions L x D	21/2mm v 22mm (8,4 x ,850 inches) 236mm v 22mm with windsznen
Weight	135g (-36)

FM360 & FM360/HC

Frequency response	50Hz to 20kHz # 2dfli @ 6" (15am)
Poler Publish	Cardioid or Hypercardioid
Sunstrity	10m/KPW (-40dBWPW)
Power Pequirements	48V Phartom, 10HA
Poux accessio input	145 dB SFL
Output	XLR (PN I+)
Minimum output load	6000 between pire 363
Notes	22:08 SPL equivalent (A weighted)
Dimensions LxD	360mm x 22mm (13 x .850 mohes)
Weight	190g (39lb)

FM500 & FM500/HC

Frequency response	90Hz to 20id-ta ±2d8 @ 6" (15cm)
Polar Patient	Cardiold or Hypercardiold
Sensitivity	10micPa (-60dPAPa)
Power Requirements	489 Phanton, 10mA
Peak acountic logs.d	14509 8PL
Output	XLM (PN 24)
Minimum output load	80002 between gins 260
Noise	20d9 SPL equivalent chiweighted:
Dimprojens L x D	500mm s 20mm (16 x .860 inches)
Weight	135g (-38s)

FM720 & FM720/HC

1417 20	W LIMIT TOLLIC
Frequency response	50Hz to 20kHz ±2xB @ 6" (15om)
Poter Patien	Cardiold or Hypercardiold
Sensitivity	(-40dEV/Ps.
Power Requirements	49V Phanton, 10nA
Pleak accounts input	145dS SPL
Output	XI.R (PIN 2+)
Minimum sulput total	6000 between pins 263
Period	22 dB SPL equivalent (A weighted)
Dimensions L s D	790mm x 22mm (27 s .660 inches)
Weight	160g (,390s)

M50

Prequency response	30 fe to 50k0 fe +1/-3db
Poter Pattern	Orendrectoral
Serutety	30mVPa (-30.5 dfWPa)
Power Requirements	4EV Phanton, IOnA
Peak securiti input	142 dB SPL
Dayur	XLR (PW 2+)
Minimum output load	600G between pins 263
Noise	SS:dB SPL equivalent (A weighted)
Dimensions L x D	229mm s 22mm (9 x .860 inches)
Weight	225g L980

Ртедитсу георотов	39-le to 5340-le +1/-3481
Polar Pattern	Orwidesctonal
Seruthely	30mWPa (-30.5-d8/APa)
Power Requirements	46V Phanton, IOnA
Peak acounts input	149 dB SPL
Dayur	N,A (PW 2+)
Minimum output load	600C between pins 263
Noise	25:d8 SPL equivalent (A weighted)
Dimensions L x D	229mm s 22mm (9 x .860 inches)
Weight	225g L980

M30

Frequency response	51-te to 3041-te +17-348
Polar Pattern	Ormidirectional
Sensitivity	Berl//Pa (-42 dBV/Pp)
Power Pegareneris	497 Phenton, 10%A
Pesk accordic input	150 dB SPL
Output	XUR (PM 2+)
Minimum cutput load	80012 between pins 283
Noise	27 dB BPL equivalent (A weighted)
Denormore L s D	205mm x 20mm (9 x ,660 inches)
Weight	225g (.5b)

M30BX

Frequency response	9Hz to 30kHz +1/-3d5
Poter Potem	Orenidirectional
Sensitivity	BmWPs (-42 dBWPs) or 40mWPs (-30dBWPs) with 14dB gain
Pinner Negoterrondo	BV bettery-200, (2004-1039) Liffacts of 4 Lifeth Absolute (segmon, 2007-boars areal form)
Peak acoustic input	14045 SPL 12645 SPL w/1465 gain
Desput	20,P1 (PN 2x) other balanced or undersoon burst over drugst duspt best brust team
Minimum output load	600s between pins 253
Noise	27d8 SPL organished (A weighted)
Dimensions L e D	220mm x 23mm (8.66 x .910 inches)
Weight	186g (.4b)

Sigma 6.3

Frequency response	40Hz 10 40kHz 1.2dB	Power Handing	150 wats continuous pragram. 400 wats peak
Impedance	4S) nominal	Disruprosions H x W x D	22" x 9.5" x 19", (56.5cm x 24cm x 48cm)
Sensitivity	87dS (1871m	Height	52 lbs. (shipping: 56 lbs.), 24 kg (shipping: 26.5 kg)

1094 1099 8 1091

Frequency response	2Hz to 100kHz a0.108 1Hz to 2004Hz a0.508 (50 ohre source)
Tempaton response	1% settling time - 1.4µx; square wave rise time - 6.27µx
Distortion (all types)	XLR stepped output-less than 1 ppm (0.0001%) Variable output- 0.001%
Erose (rp.r)	1.6nWHz** typical spectral density © 20x8 gain; .86nWHz***® 40xB gain; .8nWHz 1/2 © 60xB
Transistion of Encise to EIN	-132/dBive 36dB gain, -140/dBive 40dB gain, -145/dBiv 6 60dB gain, (JBivtz to 20ets, A ealghed) Typical current notes spectral density® input 1.5pA/ttz*
Since rate	22W(x)
DC offset	samo balanced to +1 mV typical
Power requirement	125V AC (106V, 240V evaluate) standard EC connector (supplied) Internal 250mA 256V spate fuse included
TOM	XLPI balanced transformerless input gen 2+3 one per channel
input Impedance	10K ohre with phantom power on, 100K ohre with phantom power off
Duque	XLR (differential, Pin2+) per channel from stepped gain centrol, 1/4 inch TRS (fip4, sing ref.) from variable gain control, belanced single ended
Disordore	1004, 1009 — 1 rack space 1.75" x 19" x 10.375" (1001 is 15 rack space)
Weight	1034, 1022 - 685, othiquing 10 (b.), 2.7 kg (shipping: 4.5 kg) 1021, 48, (shipping: 76-), 1.5 kg (shipping: 5 kg)

Sigma 6 9

Postanticy	40Hz to 40kHz ±2dB	Power Hardins	150 wats continuous amazan, 400 wats costs
Inpotence	852 nonenal	Directions H x W x D	16.75" x 9.5" x 15.5", (42.5cm x 24cm x 29.5cm)
Sensitivity	8708 TW/W	Weget	32 fbs. (shipping: 30 fbs.), 14.5 kg (shipping: 17 kg)



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