



PRODUCT CATALOGUE

Gato Audio DIA-250S

Class-D Integrated Amplifier and DAC

The Gato Audio DIA-250S is the school example of how to merge excellent sound quality, perfect design, profound electrical circuits and aptX Bluetooth technology.



Class-D with smooth analogue music

The DIA-250S amplifier offers a state of the art Class-D output stage with dedicated and optimized switch mode power supplies. The multiple stage power amplifier is built around proven technology from International Rectifier, optimized with a precision high frequency oscillator and PWM modulator. A pair of precision switching MOS-FET transistors, with super low on-resistance ensures the high frequency switching is done perfectly and with as little loss as possible. The output filters are made from quality PP capacitors and low DCR coils, converting the high power PWM signals back into detailed and smooth analogue music.



More than just an Amp

The built-in D/A converter offers real high end performance, enabled by the use of a dedicated power supply, a balanced-drive Burr-Brown PCM1794 D/A converter, an optimized high bandwidth I/V converter, and an analogue stage with low-Q, low pass filters. All digital inputs are upsampled to 24bit/192kHz. This D/A converter will upgrade any digital source - such as wired or wireless streaming from your computer or CD drive - to a high end level of detail and musical performance.



Versatility and Connectivity

We had our eye on versatility and connectivity when designing this amplifier. The DIA-250S offers a wide range of digital and analogue inputs. The true 24bit/192kHz digital input via the state of the art asynchronous USB circuit is especially worth highlighting. It enables the possibility of a sonic performance vastly above that of any CD. It is the key note of making these amplifiers a quality-enhancing connection point for your Mac, PC or even your iPad and iPhone.





Technical Specifications

DIA-2505

Output power	2x 250 W / 8 Ω - 2x 500 W / 4 Ω
Frequency response	20 Hz-20 kHz - 0.5 dB, and 2 Hz-70 kHz - 3 dB
Total Harmonic Distortion	< 0,01% at rated power
Signal to noise ratio	> 110 dB
Line out maximum level	13V balanced, 6,5V unbalanced
Total Harmonic Distortion	< 0,001% pre out
Input impedance	20 kΩ RCA or 40 kΩ Balanced
Line output impedance	75 Ω
Voltage gain	26 dB (+10 db headroom)
Recommended speaker load	4 -16 Ω

Connectors

Balanced analogue inputs	1 pair gold-plated XLR Neutrik
Unbalanced analogue inputs	2 pairs of gold-plated RCA stereo
Digital inputs	1 pc USB type B, 1 pc Toslink, 1 pc RCA, 1 pc aptX Bluetooth 4.0
Balanced analogue outputs	1 pair gold-plated XLR Neutrik
Unbalanced analogue outputs	1 pair of gold-plated RCA stereo
Speaker output	2 pairs of gold-plated safety banana
Trigger, 12 V	1 pc mini jack

Size & Power

Power Requirements	115 VAC/230 VAC, 50 Hz/60 Hz, 1000W max
Power consumption stdb/idle/max	<1W/23W/1000W
Dimensions (WxHxD)	325 x 105 x 420 mm / 12.8 x 4.1 x 16.5"
Weight	10 kg / 22 lb

Gato Audio DIA-400S

Class-D Integrated Amplifier and DAC

The reference in Class-D amplification just got even better! The Gato Audio DIA-400S is all about merging the best sound quality with the best and most versatile features.



S is for "Super"

The all new Gato Audio DIA-400S has been thoroughly updated compared to the standard DIA-400. We wanted to get the performance even closer to that of our AMP-150 integrated amplifier but keeping all the versatile features and even adding a high quality aptX Bluetooth receiver. The DIA-400S has not only become one of the best sounding Class-D amplifiers but also the most flexible available. It dares to be compared directly to exotic Class-D amplifiers at twice or four times the price. The DIA-400S features the best Class-D amplification technology available and combined with our delicate analogue circuits - the result is absolutely world class sonic performance.



Our Reference in Class-D Amplification

The DIA-400S amplifier offers a state of the art Class-D output stage with dedicated and optimized switch mode power supplies. The multiple stage power amplifier is built around proven technology from International Rectifier, optimized with a precision high frequency oscillator and PWM modulator. A pair of precision switching MOS-FET transistors, with super low on-resistance ensures the high frequency switching is done perfectly and with as little loss as possible. The output filters are made from quality PP capacitors and low DCR coils, converting the high power PWM signals back into detailed and smooth analogue music.

The super low noise input stage and the carefully optimized PCB design enables a S/N ratio of more than 115dB and a bandwidth of far beyond 100kHz.



Covers

Covers are easy to exchange and adapt to your home decor. We offer three different design variants:

High gloss black, high gloss white and high gloss walnut veneer.





Technical Specifications

DIA-400S

Output power	2x 400 W / 8 Ω - 2x 800 W / 4 Ω
Frequency response	20 Hz-20 kHz - 0.5 dB, and 2 Hz-70 kHz - 3 dB
Total Harmonic Distortion	< 0,01% at rated power
Signal to noise ratio	> 110 dB
Line out maximum level	13V balanced, 6,5V unbalanced
Total Harmonic Distortion	< 0,001% pre out
Input impedance	20 kΩ RCA or 40 kΩ Balanced
Line output impedance	75 Ω
Voltage gain	26 dB (+10 db headroom)
Recommended speaker load	4 -16 Ω

Connectors

Balanced analogue inputs	1 pair gold-plated XLR Neutrik
Unbalanced analogue inputs	2 pairs of gold-plated RCA stereo
Digital inputs	1 pc USB type B, 1 pc Toslink, 1 pc RCA, 1 pc aptX Bluetooth 4.0
Balanced analogue outputs	1 pair gold-plated XLR Neutrik
Unbalanced analogue outputs	1 pair of gold-plated RCA stereo
Speaker output	2 pairs of gold-plated safety banana
Trigger, 12 V	1 pc mini jack

Size & Power

Power Requirements	115 VAC/230 VAC, 50 Hz/60 Hz, 1600W max
Power consumption stdb/idle/max	<1W/35W/1600W
Dimensions (WxHxD)	325 x 105 x 420 mm / 12.8 x 4.1 x 16.5"
Weight	13 kg / 28.7 lb

Gato Audio DPA-4004 & DPA-2506

Class-D Multichannel Power Amplifiers

The Gato Audio DPA-4004 and the DPA-2506 are two flexible power amplifiers, that offer unparalleled power and performance in the smallest and most beautiful package. The DPA-4004 is a four channel power amplifier, the DPA-2506 a six channel power amplifier. Both amplifiers features the most modern and musical Class-D technology.



Pure Muscle

The DPA-4004 offers no less than 4x400W in 8ohm load, the DPA-2506 no less than 6x250W, both doubling in 4ohm. Each pair of channels in both amplifiers are bridgeable – enabling these fully configurable powerhouses to be used for either multichannel setups, active systems or for bi-amping speakers. They are the obvious choice for the PRD-3S preamplifier/DAC, but are also very suitable as workhorses for the integrated amplifiers DIA-250S and DIA-400S – offering even more channels and flexibility.

For multichannel systems they serve as slaves for a surround processor perhaps in combination with a PRD-3S, DIA-250S or a DIA-400S enabling their Home Theater setting.



Class-D Output Stage

DPA-4004 and DPA-2506 offers state of the art Class-D output stages with dedicated and optimized switch mode power supplies. The multiple stage power amplifier is built around proven technology from International Rectifier, optimized with a precision high frequency oscillator and PWM modulator. A pair of precision switching MOSFET transistors, with super low on-resistance ensures the high frequency switching is done perfectly and with as little loss as possible. The output filters are made from quality PP capacitors and low DCR coils, converting the high power PWM signals back into detailed and smooth analogue music.





Technical Specifications

DPA-2506

DPA-4004

Output power @ 8 Ω	6x250W/3x500W/2x500W+2x250W/1x500W+4x250W	4x400W/2x800W/1x800W+2x400W
Output power @ 4 Ω	6x500W/3x1000W/2x1000W+2x500W/1x1000W+4x500W	4x800W/2x1600W/1x1600W+2x800W
Frequency response	20 Hz-20 kHz - 0.5 dB, and 2 Hz-70 kHz - 3 dB	20 Hz-20 kHz - 0.5 dB, and 2 Hz-70 kHz - 3 dB
Total Harmonic Distortion	< 0,01% at rated power	< 0,01% at rated power
Signal to noise ratio	> 110 dB	> 114 dB
Input impedance	20 kΩ RCA or 40 kΩ Balanced	20 kΩ RCA or 40 kΩ Balanced
Voltage gain	26 dB	26 dB
Recommended speaker load	SE 4 -16 Ω, BTL 8 -16 Ω	SE 4 -16 Ω, BTL 8 -16 Ω

Connectors

Balanced analogue inputs	3 pairs gold-plated XLR Neutrik	2 pairs gold-plated XLR Neutrik
Unbalanced analogue inputs	3 pairs of gold-plated RCA stereo	2 pairs of gold-plated RCA stereo
Speaker output	6 pairs of gold-plated safety banana	4 pairs of gold-plated safety banana
Trigger, 12 V		1 pc mini jack

Size & Power

Power Requirements	115 VAC/230 VAC, 50 Hz/60 Hz, 2000W max	115 VAC/230 VAC, 50 Hz/60 Hz, 2000W max
Power consumption stdb/idle/max	<1W/75W/2000W	<1W/75W/2000W
Dimensions (WxHxD)	325 x 105 x 420 mm / 12.8 x 4.1 x 16.5"	325 x 105 x 420 mm / 12.8 x 4.1 x 16.5"
Weight	13 kg / 28.7 lb	13 kg / 28.7 lb

Gato Audio PRD-3S

Preamplifier and DAC

The Gato Audio PRD-3s preamplifier features low noise analogue circuitry, true 24bit/192Khz conversion, upsampling of the lesser quality and a very clean internal clock generator for ultra low jitter in the digital domain. It is an essential part of Gato Audios reference system - the perfect partner for the PWR-222 TwinFET mono power amplifiers.



Smooth analogue music

The analogue input stage is where everything begins. It not only connects external inputs and the built-in D/A converter with the output stage, it adapts impedances, adjusts levels and switches signals. A super-gentle embrace of the delicate analogue signals is important for the total performance of the preamplifier. At Gato Audio we have utilized our many years of experience in “voicing” analogue amplifiers to make this particular stage perform at its very best. We tuned the input stage to perform with a natural and lifelike sound, affecting the original signal as little as possible.



Built in D/A Converter

The built-in D/A converter offers real high end performance, enabled by the use of a dedicated power supply, a balanced-drive Burr-Brown PCM1794 D/A converter, an optimized high bandwidth I/V converter, and an analogue stage with low-Q, low pass filters. All digital inputs are upsampled to 24bit/192kHz. This D/A converter will upgrade any digital source - such as wired or wireless streaming from your computer or CD drive - to a high end level of detail and musical performance.

Don't miss the opportunity to give this preamplifier a listen – we are certain that it will impress with clean, smooth and detailed pre-amplification that does not only offer built-in D/A converter and aptX Bluetooth – but also the ability to bring out the best in your setup.





Technical Specifications

PRD-35

Frequency response	20 Hz-100 kHz - 0.5 dB
Signal to noise ratio	> 110 dB
Line out maximum level	13V balanced, 6,5V unbalanced
Total Harmonic Distortion	< 0,001% pre out
Input impedance.....	20 kΩ RCA or 40 kΩ Balanced
Line output impedance.....	75 Ω
Voltage gain	10 dB

Connectors

Balanced analogue inputs	1 pair gold-plated XLR Neutrik
Unbalanced analogue inputs	2 pairs of gold-plated RCA stereo
Digital inputs	1 pc USB type B, 1 pc Toslink, 1 pc aptX Bluetooth 4.0
Balanced analogue outputs	2 pairs gold-plated XLR Neutrik
Unbalanced analogue outputs	1 pair of gold-plated RCA stereo
Trigger, 12 V.....	1 pc mini jack

Size & Power

Power Requirements	115 VAC/230 VAC, 50 Hz/60 Hz, 30W max
Power consumption stdb/idle/max.....	<1W/14W/30W
Dimensions (WxHxD)	325 x 105 x 420 mm / 12.8 x 4.1 x 16.5"
Weight.....	7 kg / 15.4 lb

Gato Audio TwinFET

MOS-FET Push-Pull Technology

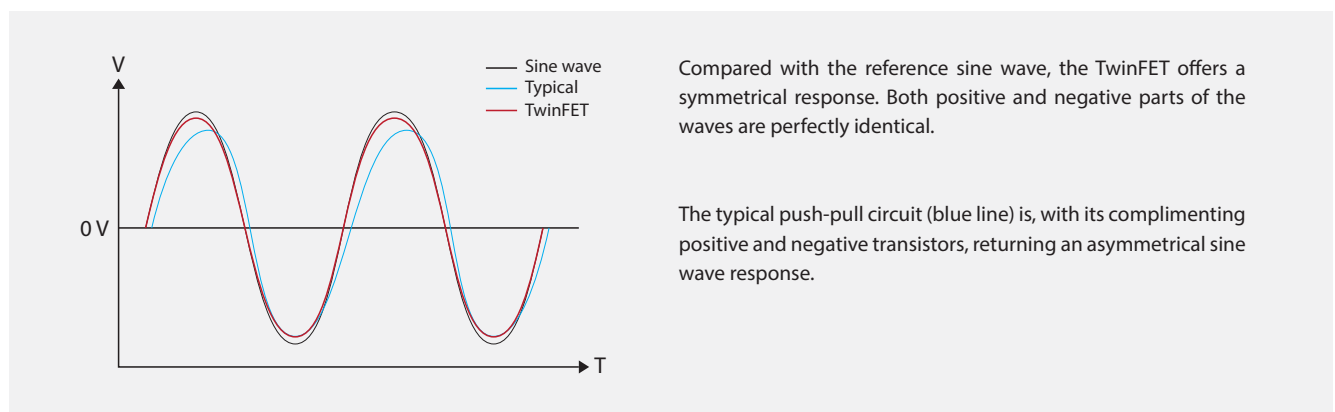
The Gato Audio TwinFET push-pull technology is a unique way to create audio amplifiers. It has been developed to counter two major problems in high power MOS-FET power amplifiers and proves superior in sonic performance.

Perfect symmetrical amplification

A typical MOS-FET push-pull power output stage consists of both positive and negative polarized transistors. However because it is impossible to make two identically behaving transistors with opposite polarization, small differences in the electrical characteristics must be accepted. This compromise of imperfection will create an asymmetrical amplification with a different signature in the positive and in the negative signal response. This often results in audible distortion and listening fatigue.

The Gato Audio TwinFET technology features only two but identical and perfectly matched transistors with same polarizing in a push pull coupling. By our special driver stages, we have created a circuit that compensates a negative polarized transistor to deal with a positive signal. This special circuit enables us to use two identical negative polarized output transistors instead of a pair of “complementing” positive and negative polarized transistors in the push-pull coupling.

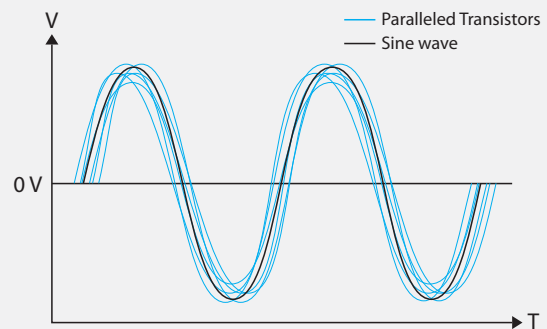
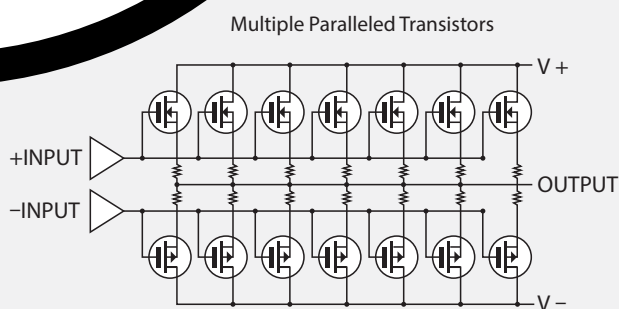
The TwinFET technology offers a perfectly symmetrical sine wave reproduction and uncompromised natural audio performance.



Perfect symmetrical time domain

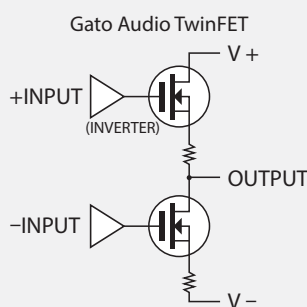
It is crucial for any high end power amplifier to be able to deliver high voltage and strong current instantly and in any load. This calls for fast components that can deal with both high current and high voltages. The typical compromised solution is to use several paralleled output devices. Each transistor might be fast and capable of working with high voltages, but only in groups also capable of delivering high current. However; this leaves the delicate audio signal a group of paralleled transistors. In this “choir” of more or less identical transistors,

all of them are “singing” with a slightly different voice than its brothers and sisters. Not only is this smearing the tiny transients and the time domain, it is also stressing the components as they constantly need to either hold back the neighbor transistor or help it to push forward – never just follow along in the pace and rhythm of the music.



The multiple transistor circuits may offer great power handling but returns an asymmetrical and smearing of the time domain.

To solve the problem of the “bad choir”, we went outside the typical audio industry specified components and suppliers. We found a real tough professional MOS-FET designed for high current switching in electric cars. One single MOS-FET of this kind, can handle up to 500 amps or what is more than five typical high power transistors combined can do. It will deal with both extreme voltages and extreme current, without the need of multiple brothers and sisters to carry the load.



The simplicity of the TwinFET technology offers perfect time domain symmetry and clean and clear sonic performance.

The Gato Audio TwinFET amplifier is named from the design with two perfectly identical transistors that ensure perfect sonic timing, almost unlimited power and a perfect symmetrical high voltage swing. The TwinFET technology is sonically far superior to designs typically only focused on delivering voltage and current – not a perfect symmetrical time domain.

Gato Audio AMP-150

TwinFET Integrated Amplifier

An integrated amplifier of the highest aesthetic, technical and audio reproductive quality. Beautiful, simple and functional by design. As easy as child's play to operate. Resourceful enough to hold the most power-hungry speakers in a viselike grip, yet at the same time musical, respectful and authentic.



TwinFET Technology

The Gato Audio TwinFET technology has been developed to counter problems and compromises that are present in the majority of power amplifiers. Our TwinFET circuit solves these electrical and sonic problems at the point where they are created, thereby avoiding adding compromising correctional circuits and components.

This is the basic reason why you only will find two output transistors for each channel in the AMP-150's output stage, one for the positive and one for the negative part of a sine wave, nothing more, nothing less.



Pure Power!

With more than 250W RMS @ 4 ohms available in each channel, the AMP-150 delivers more than enough voltage to avoid clipping in the high peaks, offering loads of headroom and musical freedom.

Thousands of hours have passed while "voicing", a process where each and every component has been carefully selected and optimised to ensure that the AMP-150 does not leave any fingerprints on the music. The way the AMP-150 plays is therefore quite unusual; aurally, this is about the closest you can get to a straight wire with built-in amplification.





Technical Specifications

AMP-150

Output power	2x 150 W RMS 8 Ω / 2x 250 W RMS 4 Ω
Input impedance.....	20 kΩ RCA or 40 kΩ Balanced
Frequency response	20 Hz - 20 kHz ± 0.5 dB, and 2 Hz - 100 kHz ± 3 dB
Preamplifier output impedance.....	100 Ω RCA and 200 Ω Balanced
Total Harmonic Distortion	< 0,05% at rated power
Signal to Noise ratio A-weighted.....	> 110 dB
Voltage gain.....	27 dB (+10 db headroom)
Recommended speaker load	4 -16 Ω
Load protection.....	Speakers < 1.5Ω

Connectors

Balanced analogue inputs	1 pair gold-plated XLR Neutrik
Unbalanced analogue inputs	4 pairs of gold-plated RCA stereo
Balanced analogue outputs	1 pair gold-plated XLR Neutrik
Unbalanced analogue outputs	1 pair of gold-plated RCA stereo
Speaker output	1 pair of WBT NextGen

Size & Power

Power Requirements	115 VAC/230 VAC, 50 Hz/60 Hz, 600W max
Power consumption stdb/idle/max	<1W/40W/600W
Dimensions (WxHxD)	325 x 105 x 430 mm / 12.8 x 4.1 x 16.9"
Weight	14 kg / 30.9 lb

Gato Audio PWR-222

TwinFET Mono Power Amplifier

Our brand new PWR-222 is the culmination of development work started back in 2008 with the AMP-150 integrated amplifier. We have spent the past seven years developing this technology and taking it even further.



Staggering Performance

The PWR-222 delivers a staggering 250W/8ohm and can deal with even the most power hungry speakers. It features a 700W super low noise torodial power transformer, 44.000uF of RIFA capacitors, two 500 amp MOS-FETS and WBT NexGen terminals.

The super low noise input stage and the carefully optimized PCB design enables a S/N ratio of more than 115dB and a bandwidth of far beyond 100kHz.



TwinFET Technology

The Gato Audio TwinFET technology has been developed to counter problems and compromises that are present in the majority of power amplifiers. Our TwinFET circuit solves these electrical and sonic problems at the point where they are created, thereby avoiding adding compromising correctional circuits and components.

This is the basic reason why you only will find two output transistors in the PWR-222s output stage, one for the positive and one for the negative part of a sine wave, nothing more, nothing less.



Display Fetish

The mechanical dial display has three settings; to act as a VU meter, indicating output and clipping level, to show the current temperature of the amplifier or to be turned off completely.





Technical Specifications

PWR-222

Output power	1x 250 W RMS 8 Ω - 1x 450 W RMS 4 Ω
Frequency response	20 Hz-20 kHz - 0.1 dB, and 2 Hz-100 kHz - 3 dB
Total Harmonic Distortion	< 0,003%
Signal to noise ratio	> 115 dB
Input impedance	100 kΩ RCA or 100 kΩ Balanced
Line output impedance	26 dB
Recommended speaker load	4 -16 Ω
Load protection	Speakers < 1.5 Ω

Connectors

Balanced analogue input	1 pc gold-plated XLR Neutrik
Unbalanced analogue input	1 pc of gold-plated RCA
Speaker output	1 pair of WBT NextGen Trigger, 12 V
	1 pc mini jack

Size & Power

Power Requirements	115 VAC/230 VAC, 50 Hz/60 Hz, 800W max
Power consumption stdb/idle/max	<1W/55W/800W
Dimensions (WxHxD)	325 x 105 x 400 mm / 12.8 x 4.1 x 15.7"
Weight	16 kg / 35.3 lb

Gato Audio FM-8

2-way Passive Bookshelf Loudspeaker

Our smallest and most versatile speaker in the all new Gato Audio FM series is offering unmatched technology, performance and style.

The FM-8 sets new standards in the world of small speakers, with 8 litre of internal volume and a total height of only 300 mm it fit perfectly on a bookshelf or on a TV bench. Yet the FM-8 still provides the full rich sound known from a big speaker together with the intimacy and coherent soundstage that small two-way speakers are so famous for.

The objective of this little masterpiece is to provide best possible sound quality in the smallest possible package and with great versatility in mind. It is designed for the most critical listener in a small listening room or otherwise compromised environments. The FM-8 could also very well be a part of a bigger multichannel system providing perfect coherence and synergy with our other models in the FM range of speakers.

Features:

- Low compression, low hysteresis driver design
- PurePHASE crossover
- FusedMASS cabinet
- Controlled dispersion and phase
- Adjustable adaptation to the listening room





Technical Specifications

FM-8

Frequency response45 Hz – 35kHz
Sensitivity (2,83v) 85dB
Recommended power amplifier 50 to 200 Watts
Nominal impedance 4 ohm
Connectors Gold plated binding post / 4mm plugs, bi-wire

Drivers

High Frequency 38mm ring radiator, powerful ferrite motor and optimised chamber
Mid/Low Frequency 150mm mineral cone, low loss suspension, motor with shorting rings and optimised voice coil

Dimensions

Dimensions (WxHxD) 180 x 300 x 265 mm / 7.1 x 11.8 x 10.4"
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Gato Audio FM-15

2-way Passive Bookshelf Loudspeaker

The grand bookshelf speaker of the Gato Audio FM series will knock your socks off with its huge soundstage and headroom.

Big brother FM-15 offers a respectfully 15 liters of internal volume and a powerful yet delicate 6" bass/midrange providing is great rich, tight bass response and huge soundstage even in bigger rooms. It will fit well on a cupboard, on a bookshelf or even better on a pair of dedicated speaker stands. It is a speaker that will grow with the job.

FM-15 is designed as the chameleon of the FM range of speakers. It is a discrete beautiful crafted speaker that is easy to fit into any living room and yet easily fills the room with great sounding music. It is an easy load and will work well with most amplifiers but the better you treat it in respect of placement, amplification, cables and source material – the better the performance will be. It can go from good Hi-Fi to true High End with the blink of an eye.

Features:

- Low compression, low hysteresis driver design
- PurePHASE crossover
- FusedMASS cabinet
- Controlled dispersion and phase
- Adjustable adaptation to the listening room





Technical Specifications

FM-15

Frequency response	40 Hz – 35kHz
Sensitivity (2,83v)	86dB
Recommended power amplifier	50 to 200 Watts
Nominal impedance	4 ohm
Connectors	Gold plated binding post / 4mm plugs, bi-wire

Drivers

High Frequency	38mm ring radiator, powerful ferrite motor and optimised chamber
Mid/Low Frequency	170mm mineral cone, low loss suspension, motor with shorting rings and optimised voice coil

Dimensions

Dimensions (WxHxD)	200 x 350 x 325 mm / 7.9 x 13.8 x 12.8"
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Gato Audio FM-9

2-way Passive On-Wall Loudspeaker

This artistic and discrete on-wall speaker will integrate itself into any home and offers peerless performance and style.

The FM-9 on-wall speaker with only 9 liters of sealed volume for the specially adapted 6" bass/midrange driver is the perfect match to the low frequency support provided by the wall it is hanging by. The FM-9 will easily satisfy the critical listener with full body sound and soundstage even in a compromised and less than ideal listening room or space.

We designed the FM-9 as small and discrete as possible without compromising the performance and the quality. The curved sides and rear makes the speaker look like it is floating rather than being joined to the wall. The performance is secured by the adaptation of internal technics from the FM-15 bookshelf speaker but modified to accommodate the support of a close rear wall and the acoustics surrounding it. The FM-9 will be a workhorse in a stereo system, in a full surround system or as support as rear speakers in a larger multi-channel setup.

Features:

- Low compression, low hysteresis driver design
- PurePHASE crossover
- Multilayer laminated cabinet
- Controlled dispersion and phase
- Adjustable adaptation to the listening room





Technical Specifications

FM-9

Frequency response	45 Hz – 35kHz
Sensitivity (2,83v)	86dB
Recommended power amplifier	50 to 200 Watts
Nominal impedance	4 ohm
Connectors	Gold plated binding post / 4mm plugs, bi-wire

Drivers

High Frequency	38mm ring radiator, powerful ferrite motor and optimised chamber
Mid/Low Frequency	170mm mineral cone, low loss suspension, motor with shorting rings and optimised voice coil

Dimensions

Dimensions (WxHxD)	355 x 490 x 110 mm / 14 x 19.3 x 4.3"
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Gato Audio FM-30

3-way Passive Floorstanding Loudspeaker

Our small and discrete floorstanding speaker does not only feature an unprecedented style and elegance, but also a full blown high end performance.

30 liters of volume supporting three optimized 5" drivers delivers not only a crisp clear and dynamic midrange but also an impulse perfect tight bass response, which will leave you puzzled how it is even possible to achieve such a grand sound from such a discrete and stylish speaker. The FM-30 is nothing short of a unicorn in the world of loudspeakers.

The design criteria for this small self-supporting speaker was to create the best possible performing discrete floorstanding speaker that would not only satisfy the most demanding audiophile gentlemen, but also his critical wife and family. It should be a natural resource for any musical entertainment in a modern style multifunction living room.

Features:

- Low compression, low hysteresis driver design
- PurePHASE crossover
- FusedMASS cabinet
- Controlled dispersion and phase
- Adjustable adaptation to the listening room





Technical Specifications

FM-30

Frequency response	37 Hz – 35kHz
Sensitivity (2,83v)	87dB
Recommended power amplifier	50 to 250 Watts
Nominal impedance	4 ohm
Connectors	Gold plated binding post / 4mm plugs, bi-wire

Drivers

High Frequency	38mm ring radiator, powerful ferrite motor and optimised chamber
Mid Frequency	150mm mineral cone, low loss suspension, motor with shorting rings and optimised voice coil
Low Frequency	2x 150mm mineral cone, low loss suspension, motor with shorting rings and long lineare throw

Dimensions

Dimensions (WxHxD)	215 x 970 x 420 mm / 8.5 x 38.2 x 16.5"
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Gato Audio FM-50

3-way Passive Floorstanding Loudspeaker

This uncompromised big three-way loudspeaker offers immense dynamics, a perfect power response and a soundstage to die for.

Two 6" optimized dedicated bass drivers and a total volume of 50 liters are the basis of the superb performance of this grand floor-standing loudspeaker. The FM-50 will impress you in all disciplines; it has a super tight bass response, a smooth detailed and dynamic midrange together with a crisp clear resonance free treble. Best of all; it offers unparalleled coherency and soundstage projection precision.

With this speaker we did not just set out to create a great loudspeaker, we set out to create a "soundstage projector" that would simply disappear in the world of great music and great recordings. It should be able to reproduce any instrument lifelike and dynamic, but also the acoustic environment, the feelings and the energy from the place and day the music was recorded.

Features:

- Low compression, low hysteresis driver design
- PurePHASE crossover
- FusedMASS cabinet
- Controlled dispersion and phase
- Adjustable adaptation to the listening room





Technical Specifications

FM-50

Frequency response	32 Hz – 35kHz
Sensitivity (2,83v)	88dB
Recommended power amplifier	50 to 300 Watts
Nominal impedance	4 ohm
Connectors	Gold plated binding post / 4mm plugs, bi-wire

Drivers

High Frequency	38mm ring radiator, powerful ferrite motor and optimised chamber
Mid Frequency	150mm mineral cone, low loss suspension, motor with shorting rings and optimised voice coil
Low Frequency	2x 170mm mineral cone, low loss suspension, motor with shorting rings and long lineare throw

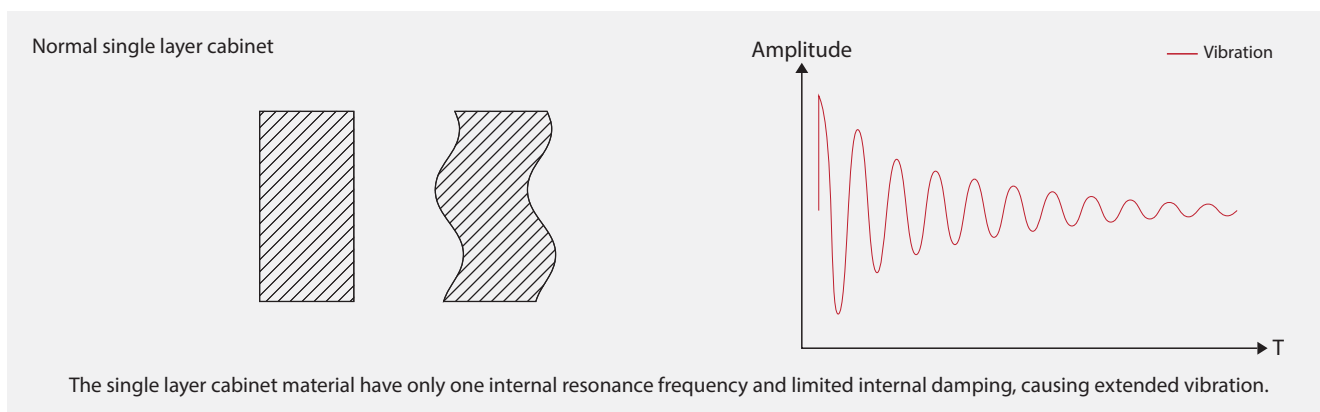
Dimensions

Dimensions (WxHxD)	235 x 1080 x 495 mm / 9.3 x 42.5 x 19.5"
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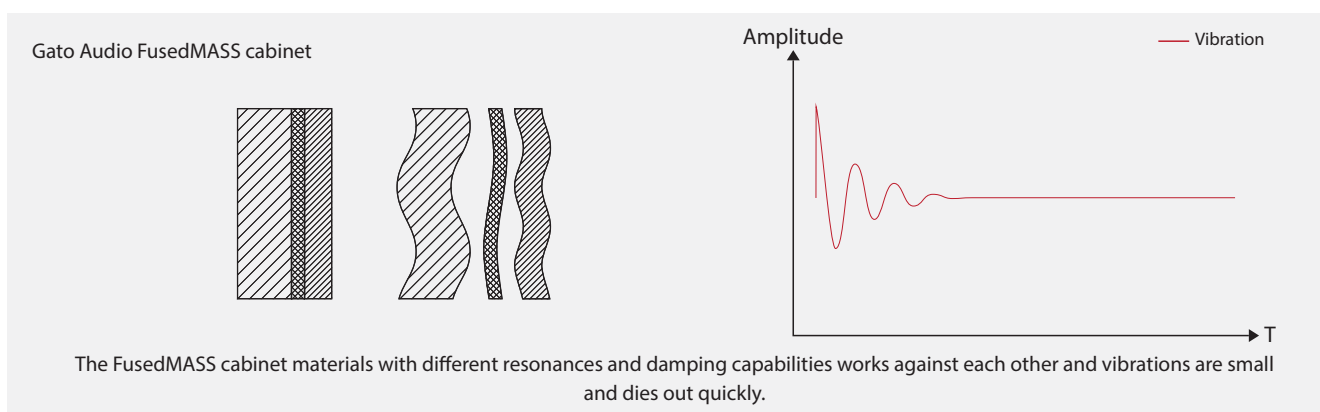
Gato Audio FusedMASS

Cabinet Technology

The multilayer construction of the Gato Audio FusedMASS cabinet ensures extremely high internal damping, a minimum of resonances and providing extra strength and material stability. By laminating different materials in different thicknesses and adding a special glue, we have intelligently removed the resonance problem that otherwise normally have been approached by just adding more and more material.



The FusedMASS cabinet is a sandwich made from a thick layer of MDF board with a medium resonance frequency, a thin layer of soft and heavy bitumen with ultra-low resonance frequency and finally a medium layer of HDF board with a high resonance frequency. Each of these layers has its own resonance and vibration characteristics, but glued together under high pressure they provide active support and damping for each other's unwanted behavior.



By comparing our FusedMASS material with typical cabinet material in the same thickness, we see drastically reduction of both resonance and vibrations and yet we are still able keep both internal volume and external slim beauty of the cabinet. In the larger FusedMASS cabinets even further strengthening of the construction are provided by heavy internal bracing.

Gato Audio PurePHASE

Crossover Technology

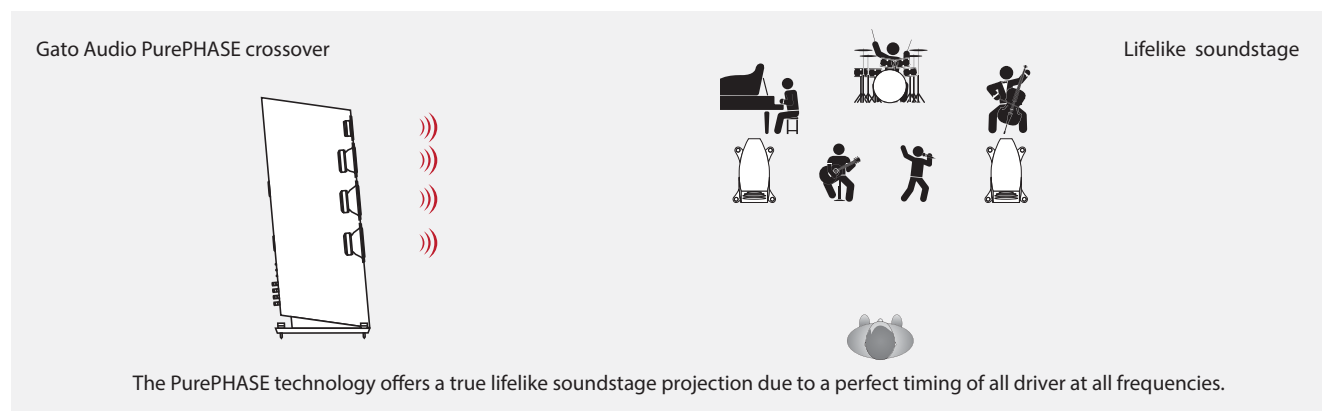
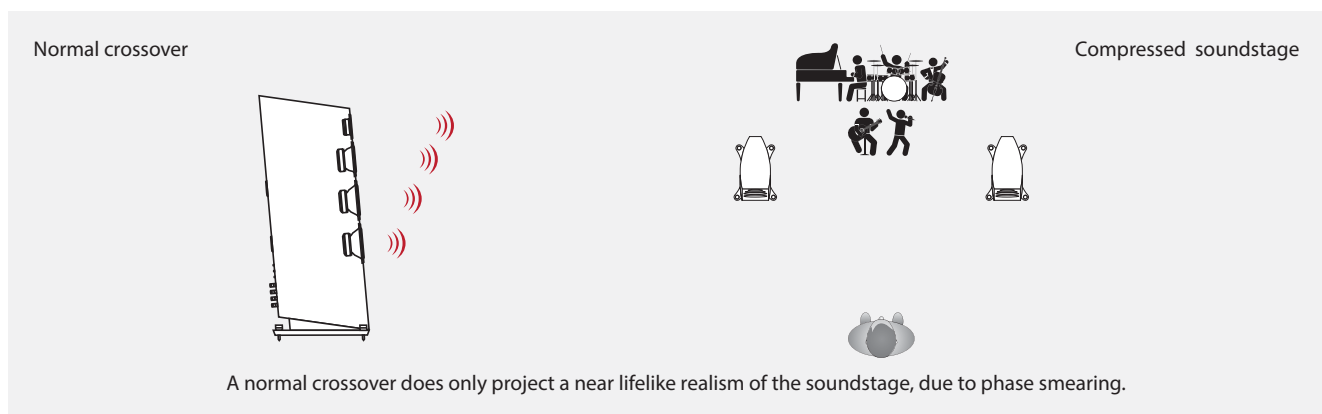
The main feature of an ordinary loudspeaker crossover is to divide and adapt the spectrum of audible frequencies into a number of dedicated drivers of a loudspeaker, while maintaining a flat on-axis frequency response and an easy load impedance of the system.

We believe that a flat on-axis frequency is relevant but not the most important aspect in creating a lifelike projection of a musical soundstage. The PurePHASE crossover defies ordinary crossover designs, by having its main focus on three much more important abilities:

1. Exact acoustic phase control of each driver provides a precise definition of the recorded acoustics, instruments and voices together in a perfect and true to life soundstage.

2. Low linear group delay assures that only a minimum of energy is stored in the crossover and the level of electrical resonances are kept as low as possible. Avoiding electrical oscillation and time smearing will emphasize the micro details and provide enormous dynamics and impressive impulse response.

3. Wide linear dispersion provides a much more linear in-room frequency response as all reflected sound from side walls, ceiling and rear wall has the exact same acoustic signature as the sound emerged directly from the speakers. It makes placement and room acoustics much less critical, ensuring coherent and natural sound even in "difficult" acoustical environments.





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