

GROUND ZERO[®]

GERMAN ENGINEERING



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Founded in 1995 by Karl Felix Lautner, Ground Zero originally started handling the distribution of car audio products "Made in USA". Fascinated by the unique design of "GZ Engineering USA", Ground Zero exclusively introduced these revolutionary subwoofers to the European market in 1997. Today, that is considered the beginning of the "Ground Zero" brand.

In 1999, the German Ground Zero Company took over the complete trademark rights of "Ground Zero" for Europe and established specific product development and engineering for these markets in Germany. In the same year, the operation moved to the South of Germany in a neighborhood of Munich where the company is based today.

In 2003 when the US based company "GZ Engineering USA" closed down, the German Ground Zero company took over the global trademark of "Ground Zero" and renamed the German operation to "Ground Zero GmbH". Ground Zero GmbH has been and continues to be privately a owned company. The brand "Ground Zero Audio" (GZ) is a German Car Audio brand trademarked all over the world.

With a global distribution in more than 60 countries, GZ offers a complete range of more than 300 car audio products, which are all designed and developed by GZ's in-house engineering department. The product range encompasses speakers, subwoofers and amplifiers for High End SQ (Sound Quality), SPL (Sound Pressure Level), and a vast range of essential sound components. In countless tests and reviews, many of our products have earned awards and are consistently placed by the winner circle with outstanding ratings for price/performance ratio, quality and sound.

Going forward GZ will continue to manufacture a perfectly balanced, wide and diversified line up with the highest quality standards.

To achieve such exceptional targets, GZ considers the total product cycle:

It starts at the development part, where GZ is using top-notch tools and measurement systems such as the laser controlled KLIPPEL system to optimize speakers and subwoofers.

For the accurate measurements of amplifiers up to ~10,000 Watts, a solid analogue 1.500 Ampere power supply is used.

As a result, all of GZ power indications are corresponding to CEA 2006-A standards.

Beyond that, all products are tested intensively in both, GZ's laboratory and under realistic conditions installed in automotive environments. Every GZ product undergoes such evaluation before its final production release. As for the production part, GZ runs dedicated Quality Controls (QC) from the inbound of parts, through the whole manufacturing process using certified factories until the after-production step.

That's how Ground Zero ensures the perfect quality before any product is shipped to their valuable customers around the world.

REFERENCE

SOUND QUALITY ON THE HIGHEST LEVEL

The multiple award winning Reference components are designed for music enthusiasts looking for the ultimate sound quality in a car.

The handmade speakers are accurately built in Europe, packed in noble wooden boxes and selected in pairs. The 80 mm (3.15") midrange and 180mm (7") mid bass drivers use hand coated pressed paper cones, hand wound copper voice coils, handmade machined aluminum baskets and linearized motors. The 28 mm (1.1") tweeter with its precise 2 layer coated silk dome and the special multi part chamber, is able to be used from 1500 Hz up, because of its outstanding low resonance frequency of 600 Hz.

For the most accurate bass performance, the unique high tech 25 cm (10") Reference subwoofer comes with a lot of high tech solutions, such as several linearization parts added to the magnet system in order to optimize the impedance and eliminate distortions, and a handmade high tech cone which is made of an extremely lightweight and stiff 3-layer sandwich with two outer layers of paper and special 2-component foam pressed together. The 50 mm (2") copper voice coil with 35 mm (1.38") winding height in combination with the double layer polyester/cotton Bimax® spider and the loss-free rubber surround allow a perfectly linear excursion of +/- 15 mm (0.6"). Additionally, it is optimized to perform down to 30 Hz, or even lower in smaller enclosures.

Finally, outstanding in the market are the Reference amplifiers. All models use a high quality copper anodized aluminum heat sink with a toned Plexiglas bottom which allows users to look at the gorgeous white illuminated, copper plated double layer PCB with shielded transformers of the high current power supply. As well as the amp section with its high-end parts such as Sanken® transistors, ELNA®, WIMA® and Mundorf capacitors as well as Burr Brown IC's for the pre amp section.

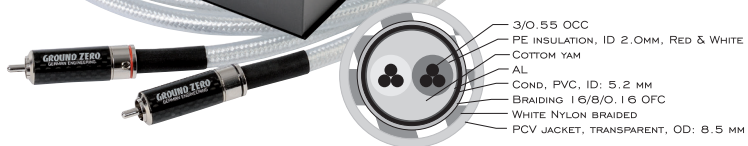
Highlight features like Bias-Setting, which allows adjusting the amp from class AB to nearly class A, wide-band filters with bypass function and massive capsuled terminals turn the Reference amplifiers to unique pure sound quality components.

PURE sound quality, reduced to the essentials on the latest 2 models, which are also named PURE (GZPA Reference 2PURE and 4PURE).

Without any unnecessary filters and parts in the signal path they perform on a total new level, never heard before.

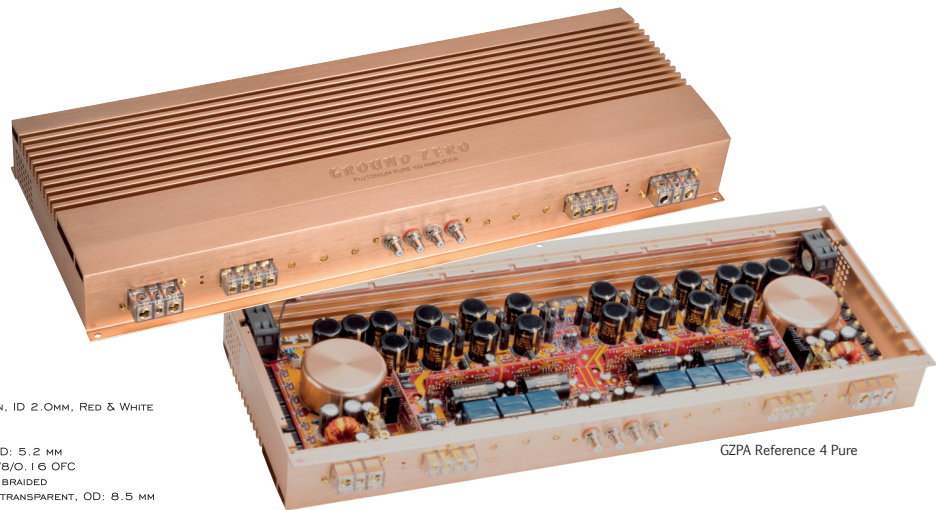
They come with the best parts ever used for car audio amplifiers. Exclusively handmade Mundorf capacitors in the power supply and pre amp section, the best high end OP amplifier IC LM4562 with lowest harmonic distortion and noise density, the ultimate high-end potentiometers from ALPS with separated gain control for left and right channel and the additional L+R summarize-function to use one gain for both channels, Rhodium RCA plug sockets and a 100% symmetrical PCB design result in tremendous performance.





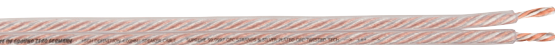
Model	Type	Length m / Inch
GZCC Reference 157RH	High End RCA cable	1,57 / 61.81"
GZCC Reference 314RH	High End RCA cable	3,14 / 123.62"
GZCC Reference 549RH	High End RCA cable	5,49 / 216.14"

RCA cables with Rhodium connectors, carbon shell, High End OCC wire, high purity OFC braiding and silver soldering.



GZPA Reference 4 Pure

Type	Model	Power WRMS @ 4 / 2 / 1 Ω	Dimensions cm / Inch
2 Ch	GZPA Reference 2T	2x 150 / 250 / 400	45,5 x 23,6 x 6,75 / 17,91 x 2,66 x 9,29"
2 Ch	GZPA Reference 2 PURE	2x 420 / 750 / 1150	59 x 23,6 x 6,75 / 23,23 x 2,66 x 9,29"
4 Ch	GZPA Reference 4 PURE	4x 150 / 270 / 425	59 x 23,6 x 6,75 / 23,23 x 2,66 x 9,29"
2 Ch	GZPA Reference 2 SYM	2x 420 / 750 / 1150	59 x 23,6 x 6,75 / 23,23 x 2,66 x 9,29"
4 Ch	GZPA Reference 4 SYM	4x 150 / 270 / 425	59 x 23,6 x 6,75 / 23,23 x 2,66 x 9,29"
2 Ch	GZPA Reference 2XS	2x 200 / 380 / -	42 x 23,6 x 6,75 / 16,5 x 2,66 x 9,29"
4 Ch	GZPA Reference 4XS	4x 120 / 220 / -	42 x 23,6 x 6,75 / 16,5 x 2,66 x 9,29"



Model	Type	∅	Spool length
GZSC REF 1.5S-OFc	Speaker cable	1.50 mm ² / 15 AWG	48 m
GZSC REF 2.5S-OFc	Speaker cable	2.50 mm ² / 13 AWG	39 m
GZSC REF 4.0S-OFc	Speaker cable	4.00 mm ² / 11 AWG	30 m

Cables made from pure OFC (99,9997%) with 50% silver plated wires.



REFERENCE SPEAKERS

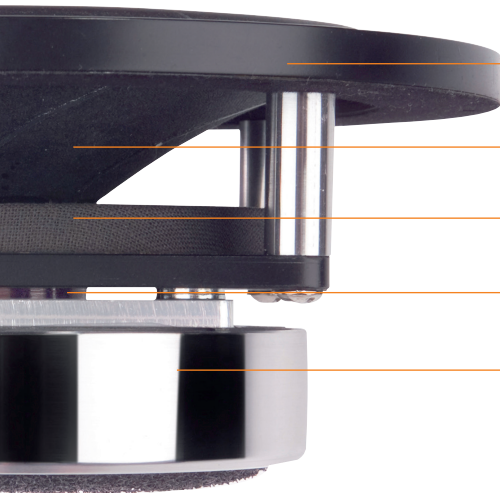
Model	Type	Power handling WRMS / VMAX	Mounting depth mm / Inch
GZPT Reference 28	28 mm / 1.1" Silkdome tweeter	100 / 150	39 / 1.54"
GZPM Reference 80	80 mm / 3.15" Midrange	80 / 120	45 / 1.77"
GZMW Reference 180	180 mm / 7.09" Kick / Midwoofer	100 / 150	68 / 2.68"



Also available in black as
GZPT Reference 28B



GZPM Reference 80



BASKET

Handmade machined & black anodized aluminum

CONE

Hand coated, pressed paper cone

SPIDER

High flexible connex mix

VOICE COIL

Hand wound copper voice coil
on aluminum former

MOTOR

High efficient magnet including
copper rings for lowering distortions



GZMW Reference 180



HOUSING

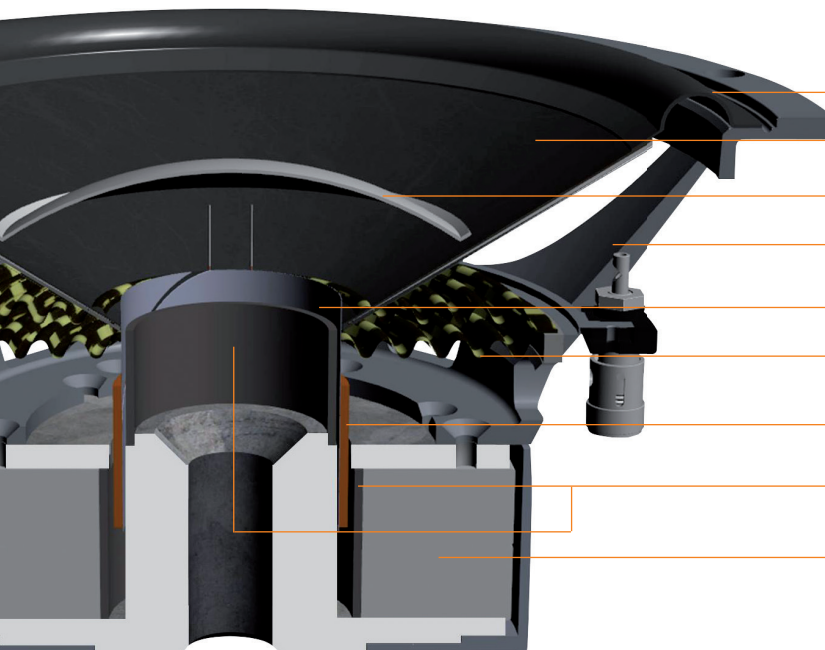
Polished aluminum
with coupled chamber for low Fs

DOMES

28 mm / 1.1"
2- Layer hand coated silk



Model	Ø cm / Inch	Power handling	Impedance	Mounting depth mm / Inch	Mounting Ø mm / Inch
GZPW Reference 250	25 / 10"	500 W RMS	2 x 2 Ω	128 / 5.04"	232 / 9.13"



SURROUND
Light-weight rubber

CONE
Three layer sandwich
(Paper - 2 Component foam - paper)

DUSTCAP
Coated highly pressed paper

BASKET
Resonance free aluminum cast

VOICE COIL FORMER
High temperature stable glassfiber

SPIDER
Double-layer BIMAX®
(Polyester - Cotton)

VOICE COIL
50 mm / 2" Copper voice coil

SHORT CIRCUIT RINGS
Aluminum rings for impedance linearizing
and distortion elimination

MOTOR
Linearized high efficient motor with
double ferrit magnet

PLUTONIUM HIGH END SOUND QUALITY MEETS HIGH POWER SPL

Historically the Plutonium line stood for the ultimate SPL components in the market. But even more, now there is a line of unique sound quality speakers integrated as well.

All Plutonium speaker drivers are "Made in Germany" and come in high class wooden boxes. They are developed for sophisticated sound quality applications, so these drivers are at the top end of the Ground Zero speaker line-up beside the Reference line. The 16.5 cm (6.5") midwoofer uses a ceramic anodized aluminum cone and a convex dust cap, directly connected to the voice coil former.

This allows an outstanding wide frequency range. The 80 mm (3.15") neodymium midrange driver is equipped with a lightweight magnesium cone that harmonizes perfect with the 28 mm (1.1") high end tweeter.

With its coated silk dome and the coupled chamber, this tweeter is following the concept of the Reference tweeter and is able to realize a linear frequency range from 2 kHz to 30 kHz.

All these different Plutonium speaker drivers are available in individual combinations: single packed or as 2-Way or 3-Way sets.

The passive sets include the high end passive crossovers assembled with Mundorf Mcaps among other high quality parts.



The Plutonium subwoofers are probably the most famous in their categories and known as Ground Zeros' "State-of-the-Art" products. Since their first market release, the GZPW SPL woofers have been the benchmark in SPL competitions around the world and awarded with best test reviews by multiple magazines.

One of the outstanding products in the Plutonium subwoofer line is the low bass specialist GZPW 15XQ with its 4 x 1 Ohm coil, a huge linearized motor construction and incredible high xmax soft parts such as the heavy aluminum cone and high tech triple connex spider. Even more famous is the GZPW SPL woofer line up. The dedicated "Extreme" models have won multiple DB Drag world championships. With their handmade lightweight and extraordinary stiff 3 layer carbon cone, strong 5 layer longtime stable connex spiders and a high power 2 x 1 Ohm flat wire CCA voice coil on stainless steel former, the "Extremes" have been designed to crack 180DB.

The latest Plutonium subwoofer innovation comes as a limited edition of 333 pieces. It's the GZPW 15LTD with impressive 5000 WRMS realized by high temperature stable 100 mm / 4" flatwire CCA voice coil, powered by a massive triple magnet motor with black anodized and machined steel parts with complex diagonal and vertical ventilation holes for perfect cooling. The progressive 4-layer spider and the high-roll sandwich surround which is stitched to the reinforced paper cone with yellow thread allow a tremendous low bass performance with amazing 60 mm / 2.36" Xmax.

Last but not least the Plutonium Line also includes a wide range of ultimate high power class D amps. It starts with an affordable 4000 Watt amplifier which is linkable, as are the massive SPL competition amplifiers with more than 20.000 Watt in link mode.



GZPA 1.10K-HC



Type	Model	Power WRMS @ 4 / 2 / 1 Ω	Dimensions cm / Inch
1 Ch	GZPA 1.4K-HCX	1x 1200 / 2400 / 4000	55 x 23 x 6,30 / 21.65 x 9.06 x 2.48"
1 Ch	GZPA 1.6K-HCX	1x 1700 / 3200 / 5800	65 x 29 x 6,75 / 25.59 x 11.41 x 2.66"
1 Ch	GZPA 1.8K-HC	1x 2600 / 4800 / 8400	82 x 29 x 6,75 / 32.28 x 11.41 x 2.66"
1 Ch	GZPA 1.10K-HC	1x 3200 / 5900 / 10500	90 x 29 x 6,75 / 35.43 x 11.41 x 2.66"

PLUTONIUM SUBWOOFERS



Model	Ø cm / Inch	Power handling	Impedance	Mounting depth mm / Inch	Mounting Ø mm / Inch
GZPW 15Limited	38 / 15"	5000 WRMS	2 x 1 Ω	285 / 11.22"	358 / 14.09"



Model	Ø cm / Inch	Power handling	Impedance	Mounting depth mm / Inch	Mounting Ø mm / Inch
GZPW 15XQ	38 / 15"	5000 WRMS	4 x 1 Ω	258 / 10.16"	360 / 14.17"



GZPW 18SPL

Model	Ø cm / Inch	Power handling	Impedance	Mounting depth mm / Inch	Mounting Ø mm / Inch
GZPW 10SPL	25 / 10"	6500 W SPL	2 x 1.6 Ω	192 / 7.56"	234.5 / 9.23"
GZPW 12SPL	30 / 12"	6500 W SPL	2 x 1 Ω	220 / 8.66"	285 / 11.22"
GZPW 15SPL	38 / 15"	10000 W SPL	2 x 1 Ω	272 / 10.71"	360 / 14.17"
GZPW 18SPL	46 / 18"	10000 W SPL	2 x 1 Ω	290 / 11.42"	420 / 16.54"
GZPW 12SPL EXTREME	30 / 12"	10000 W SPL	2 x 1 Ω	220 / 8.66"	285 / 11.22"
GZPW 15SPL EXTREME	38 / 15"	15000 W SPL	2 x 1 Ω	272 / 10.71"	360 / 14.17"
GZPW 18SPL EXTREME	46 / 18"	15000 W SPL	2 x 1 Ω	290 / 11.42"	420 / 16.54"



Model	Type	Power handling WRMS / WMAX	Mounting depth mm / Inch
GZPT 28SX	28 mm / 1.1" Silk dome tweeter	100 / 150 (min. 12dB Highpass 2500Hz)	31 / 1.22"



Model	Type	Power handling WRMS / WMAX	Mounting depth mm / Inch
GZPM 80SQX	8 cm / 3.15" Midrange	70 / 110 (min. 12dB Highpass 150Hz)	34 / 1.34"



Model	Type	Power handling WRMS / WMAX	Mounting depth mm / Inch
GZPK 16SQ	16,5 cm / 6.5" Mid & Kickwoofer	130 / 210	68 / 2.68"



GZPX 165SQ

Model	Type
GZPX 165SQ	2 Way passive crossover for GZPK 16SQ & GZPT 28SX
GZPX 16.3SQ	3 Way passive crossover for GZPK 16SQ & GZPT 28SX & GZPM 80SQX

Model	Type	Contains:
GZPC 165SQ	Passive 16,5 cm / 6.5" 2 Way compo	GZPK 16SQ, GZPT 28SX, GZPX 165SQ
GZPC 16.3SQ	Passive 16,5 cm / 6.5" 3 Way compo	GZPK 16SQ, GZPM 80SQX, GZPT 28SX, GZPX 16.3SQ

Model	Type	Contains:
GZPC 165SQ-ACT	Active 16,5 cm / 6.5" 2 Way compo	GZPK 16SQ, GZPT 28SX
GZPC 16.3SQ-ACT	Active 16,5 cm / 6.5" 3 Way compo	GZPK 16SQ, GZPM 80SQX, GZPT 28SX

NUCLEAR

THE PERFECT COMBINATION OF POWER, EMOTIONS AND AMAZING SQ

In this line Ground Zero combines "Made in Germany" speakers with superior class subwoofers and amplifiers.

A Nuclear component always stands for highest performance mixed with emotions and thus, the products in this line are very well known for outstanding car audio installations.

The "Made in Germany" speaker drivers and crossovers are available single packed for individual needs and combinations. The user can choose from an install-friendly 80 mm (3.15") midrange with flat and powerful neodymium motor, as well as the 16.5 cm (6.5") midwoofer with its high fidelity coated paper cone on a glass fiber former. This driver uses a high power copper voice coil, a powerful magnet and a built-in copper cap to linearize the impedance and lower distortions. The 25 mm (1") silk dome tweeter in this line comes with an aluminum rear chamber and performs perfectly in 2-way and 3-way configurations.

For the component system users, the Nuclear line offers the limited edition 2-way compo system GZNC 1650SQ-LTD, which comes with a high-class passive crossover. All Limited components are packed in a handmade wooden box. Each system is identified with its individual serial number, Limited to 100pcs.

The design of the Nuclear subwoofers focuses on extreme performance for lowest frequencies, even in compact enclosures. That includes the very special and compact GZNW 6.5. With its 16.5 cm (6.5") outer diameter, this woofer guarantees maximum fun from tiny enclosures. In addition, this line features the GZNW XSPL woofers from 30 cm / 12" up to 46 cm / 18" with 2 x 1 Ohm round wire CCA voice coils which can handle up to 6.500 Watt SPL power.



Ground Zero's Nuclear amplifier line "GZNA" has become very well known for extremely powerful and massive analogue full-range, as well as strong mono class D amplifiers. Beside their power-oriented performance, all Nuclear amplifier models became popular for their impressive low impedance-load stability. They come with high current dual power supplies, guaranteeing this excellent power stability, equipped with double layer PCBs with wide circuit paths for high damping factor, SMD-Technology for better efficiency, and high quality gold plated terminals and RCA connectors.

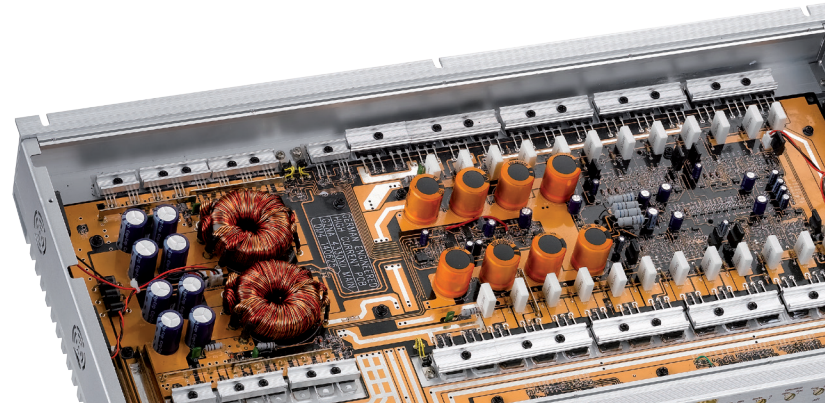
The impressive aluminum heat sinks of all amplifiers in this line up, delivering perfect cooling and performance, were developed in the same outer dimensions, improving visual appearance when combined in the same installation. In addition, Nuclear amps come in the same heat sink design as their brothers in the lower Hydrogen line.



GZNA 4330XII



Type	Model	Power WRMS @ 4 / 2 / 1 Ω	Dimensions cm / Inch
1 Ch	GZNA 1.2550DXII	1x 850 / 1500 / 2400	29,3 x 53 x 6,7 / 11.54 x 19.69 x 2.64"
2 Ch	GZNA 2850XII	2x 450 / 850 / 1300	29,3 x 60 x 6,7 / 11.54 x 23.62 x 2.64"
4 Ch	GZNA 4330XII	4x 200 / 350 / 550	29,3 x 56 x 6,7 / 11.54 x 22.05 x 2.64"
6 Ch	GZNA 6800XII	4x 80 & 2x 150 / 4x 150 & 2x 280 / -	29,3 x 60 x 6,7 / 11.54 x 23.62 x 2.64"





GZNW 12XII

Model	Ø cm / Inch	Power handling	Impedance	Mounting depth mm / Inch	Mounting Ø mm / Inch
GZNW 12XII	30 / 12"	2000 WRMS	2 x 2 Ω	226 / 8.9"	284 / 11.18"
GZNW 15XII	38 / 15"	2500 WRMS	2 x 2 Ω	260 / 10.24"	358 / 14.09"



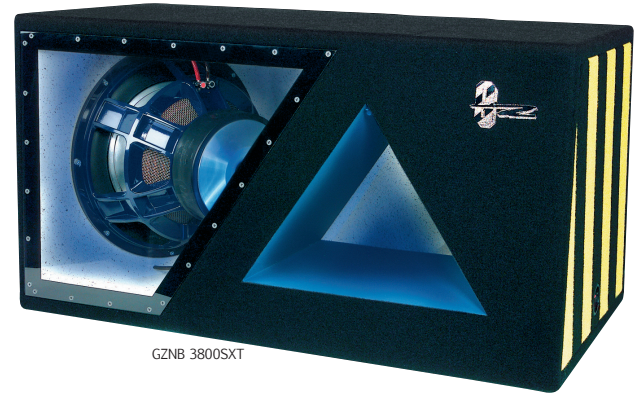
GZNW 15XSPL

Model	Ø cm / Inch	Power handling	Impedance	Mounting depth mm / Inch	Mounting Ø mm / Inch
GZNW 12XSPL	30 / 12"	4500 W SPL	2 x 1 Ω	226 / 8.9"	284 / 11.18"
GZNW 15XSPL	38 / 15"	5500 W SPL	2 x 1 Ω	260 / 10.24"	358 / 14.09"
GZNW 18XSPL	46 / 18"	6500 W SPL	2 x 1 Ω	286 / 11.26"	425 / 16.73"



Available grill GZMG 165/6.5

Model	Ø cm / Inch	Power handling	Impedance	Mounting depth mm / Inch	Mounting Ø mm / Inch
GZMG 6.5	16,5 / 6.5"	250 WRMS	2 x 2 Ω	95 / 3.74"	143 / 5.63"



GZNB 3800SXT

Model	Power handling	Impedance	Woofers Ø cm / Inch	Dimensions cm / Inch
GZNB 38XBT	2500 WRMS	2 x 2 Ω	38 / 15"	68 x 47 x 45 / 32 26.77 x 18.50 x 17.72 / 12.60"
GZNB 3800SXT	2500 WRMS	2 x 2 Ω	38 / 15"	93 x 50 x 54 / 45 36.61 x 19.69 x 21.26 / 17.72"



Model	Type	Power handling WRMS / WMAX	Mounting depth mm / Inch
GZNT 25SQ	25 mm / 1" Silk dome tweeter	80 / 130	22 / 0.87"



Model	Type	Power handling WRMS / WMAX	Mounting depth mm / Inch
GZNM 80SQ	8 cm / 3.15" Midrange	60 / 100 (min. 12dB Highpass 150Hz)	34 / 1.34"



Model	Type	Power handling WRMS / WMAX	Mounting depth mm / Inch
GZNC 1650SQ	16,5 cm / 6.5" 2 Way compo	150 / 250	65,7 / 2.59"



Model	Type	Power handling WRMS / WMAX	Mounting depth mm / Inch
GZNK 165SQ	16,5 cm / 6.5" Midwoofer	130 / 200	65,7 / 2.59"

URANIUM

AFFORDABLE SQ FOR EVERYONE

All Uranium products are affordable speakers, subwoofers and amplifiers for ambitious Sound Quality setups. The center of attention is the 2-way passive component system GZUC 650SQ with its 16.5 cm (6.5") midwoofer using the high tech WFWC® cone and the 25 mm (1") silk dome tweeter with coupled chamber. Notably, the crossover is equipped with outstanding parts in this price range such as MKP Caps, massive air coils and MOX resistors without residual inductivity. For active and further configurations, all speaker drivers are available separately. In addition, an unique 60 mm (2.36") driver with its black anodized aluminum cone and several accessories for individual installation was designed. That midrange can be used in active setups as a midrange or even as a fullrange up to 20 kHz. All of these drivers are focused on the perfect reproduction of music.

Uranium subwoofers are available as 20 cm (8"), 25 cm (10") and 30 cm (12").

All of them come with stiff and lightweight paper cones and very stable convex dust caps.

The special multilayer foam surrounds and audiophile POLYCOT spiders with woven-in lead wires, and high power copper voice coils wound on loss-free Kapton formers guarantee outstanding bass performance. In addition, all of the Uranium subwoofers are also available in ready made massive, sealed MDF enclosures which are "Made in Europe".

To supply audiophile amplification, the new Uranium SQ amplifiers were developed. The circuit design is based on the Reference amplifiers, using only the best and selected materials such as BurrBrown ICs, Elna and WIMA caps, Sanken transistors and MOX resistors.

Their double layer PCB is optimized to realize a high damping factor and extremely low distortions.

Both models, 2-channel and 4-channel, are extremely flat with 4.6 cm (1.8") heat sink height. They are equipped with very accurate wideband filters, which allow the use of component speakers in full active mode.





GZUW 10SQX

Model	Ø cm / Inch	Power handling	Impedance	Mounting depth mm / Inch	Mounting Ø mm / Inch
GZUW 8SQ	20 / 8"	300 WRMS	2 x 2 Ω	110 / 4.33"	182 / 7.17"
GZUW 10SQX	25 / 10"	450 WRMS	2 x 2 Ω	148 / 5.83"	236 / 9.29"
GZUW 12SQX	30 / 12"	600 WRMS	2 x 2 Ω	157 / 6.18"	284 / 11.18"



GZUB 20SQ

Model	Power handling	Impedance	Woofer Ø cm / Inch	Dimensions cm / Inch
GZUB 20SQ	300 WRMS	2 x 2 Ω	20 / 8"	37 x 24.5 x 25.5 / 20 14.57 x 9.65 x 10.04 / 7.87"
GZUB 25SQ	450 WRMS	2 x 2 Ω	25 / 10"	47 x 30 x 32 / 22 18.50 x 11.81 x 12.60 / 8.66"
GZUB 30SQ	500 WRMS	2 x 2 Ω	30 / 12"	53 x 35 x 35 / 24 20.87 x 13.78 x 13.78 / 9.45"



GZUC 650SQ

Model	Type	Power handling WRMS / WMAX	Mounting depth mm / Inch
GZUC 650SQ	16,5 cm / 6.5" 2 Way compo	130 / 210	66 / 2.60"
GZUC 65SQ	16,5 cm / 6.5" Mid & Kickwoofer	110 / 190	66 / 2.60"
GZHT 25SQ	25 mm / 1" Silkdome tweeter	70 / 110	31 / 1.22"
GZUC 13X	13 cm / 5.25" Mid & Kickwoofer	90 / 160	56,3 / 2.22"
GZUC 16X	16,5 cm / 6.5" Mid & Kickwoofer	110 / 180	65,7 / 2.59"



Model	Type	Power handling WRMS / WMAX	Mounting depth mm / Inch
GZUF 60SQ	6 cm / 2.36" Mid & Fullrange	50 / 80	36 / 1.42"



GZUA 2.250SQ



Type	Model	Power WRMS @ 4 / 2 / 1 Ω	Dimensions cm / Inch
2 Ch	GZUA 2.250SQ	2x 180 / 320 / 500	36 x 20,9 x 4,6 / 14,17 x 8,23 x 1,81"
4 Ch	GZUA 4.150SQ	4x 110 / 190 / -	36 x 20,9 x 4,6 / 14,17 x 8,23 x 1,81"



GZUA 5600DX

Type	Model	Power WRMS @ 4 / 2 Ω	Dimensions cm / Inch
2 Ch	GZUA 2250DX	2x 290 / 450	26,5 x 17 x 5,3 / 10,43 x 6,69 x 2,09"
5 Ch	GZUA 5600DX	4x 90 & 1x 250 / 4x 150 & 1x 390	27,5 x 17 x 5,3 / 10,83 x 6,69 x 2,09"

The Hydrogen line proves that well-built Car Audio products can be affordable and bring "Fun" at the same time. Most of the products in this line are "All-rounders", nevertheless following Ground Zero's ocular dominance for the reproduction of bass.



Starting from Speaker drivers, the highlight is definitely its high-end WFWC® cone. This state of the art cone material and its production technology combine extraordinary low distortion of thin woven glass fiber and the outstanding strength of rough wooden fabric.

Due to its light weight this cone offers unbelievable good sound quality. The component system with its multiple adjustable crossovers using high quality parts and audiophile 25 mm (1") silk dome tweeters, which are also used for the high quality 16.5 cm (6.5") coaxial speakers.

The same incredible price-performance ration can be found in the line of Hydrogen subwoofers.

These are available from 20 cm (8") to 38 cm (15") and use heavy and stiff aluminum cones, high power round wire copper voice coils and massive aluminum cast baskets.

Several of these Subwoofers are test winners over the last few years. For some of them, high quality MDF enclosures with the patented by Ground Zero Bass Tunnel Technology are made.

The focus of the Hydrogen amplifier line is power and control. The GZHA amplifiers come in massive aluminum cast heat sinks. They feature the latest SMD technologies as well as stabilized dual power supplies. The range reaches from powerful Class AB for 2-Channel and 4-Channel up to highly stable Class D Mono amplifiers.



Model	Ø cm / Inch	Power handling	Impedance	Mounting depth mm / Inch	Mounting Ø mm / Inch
GZHW 12SPL	30 / 12"	2500 W SPL	2 x 2 Ω	183 / 7.20"	284 / 11.18"



GZHB 30XBT

Model	Power handling	Impedance	Woofer Ø cm / Inch	Dimensions cm / Inch
GZHB 20XBT	400 WRMS	2 x 2 Ω	20 / 8"	43 x 25 x 34 / 26 16.93 x 9.84 x 13.39 / 10.24"
GZHB 30XBT	800 WRMS	2 x 2 Ω	30 / 12"	54 x 33 x 40 / 30 21.26 x 12.99 x 15.75 / 11.81"



GZHA 1.1850DII



GZHW 30X

Model	Ø cm / Inch	Power handling	Impedance	Mounting depth mm / Inch	Mounting Ø mm / Inch
GZHW 20X	20 / 8"	400 WRMS	2 x 2 Ω	120 / 4.72"	187 / 7.36"
GZHW 25X	25 / 10"	600 WRMS	2 x 2 Ω	150 / 5.91"	241 / 9.49"
GZHW 30X	30 / 12"	800 WRMS	2 x 2 Ω	157 / 6.18"	281 / 11.06"
GZHW 38X	38 / 15"	1000 WRMS	2 x 2 Ω	191 / 7.52"	356 / 14.02"
GZUP 10	25 / 10"	Passive Radiator for GZHW 25X / GZUW 10X		73 / 2.87"	237 / 9.33"
GZUP 12	30 / 12"	Passive Radiator for GZHW 30X / GZUW 12X		86 / 3.39"	281 / 11.06"



GZHC 65C

Model	Type	Power handling WRMS / WMAX	Mounting depth mm / Inch
GZHC 65C	16.5 cm / 6.5" 2 Way compo	120 / 200	63 / 2.48"
GZHF 652C	16.5 cm / 6.5" 2 Way coax	100 / 160	63 / 2.48"



Type	Model	Power WRMS @ 4 / 2 / 1 Ω	Dimensions cm / Inch
1 Ch	GZHA 1.1850DII	1x 700 / 1200 / 1850	29.3 x 40 x 6.7 / 11.54 x 15.75 x 2.64"
2 Ch	GZHA 2400XII	2x 270 / 480 / 750	29.3 x 40 x 6.7 / 11.54 x 15.75 x 2.64"
4 Ch	GZHA 4200XII	4x 140 / 200 / -	29.3 x 40 x 6.7 / 11.54 x 15.75 x 2.64"

RADIOACTIVE

A WIDE RANGE OF PRODUCTS OF CAR AUDIO SPECIALISTS

The Radioactive line offers GZ's widest range of speakers and subwoofers:

High efficient coaxial and component systems, outstanding flat speakers and flat subwoofers, affordable SPL Subwoofers and massive, ready made Subwoofer enclosures.

The Radioactive speakers with their black high gloss powder coated baskets, powerful magnets and the stiff glass-fiber cone in combination with the round wire copper voice coil on aluminum former, achieve a superior sound quality and high power handling. The 2 Way component sets, which are available from flat 10 cm (4") up to the powerful 16.5 cm (6.5"), are equipped with multiple adjustable crossovers using high quality parts and audiophile 25 mm (1") silk dome tweeters. The 2-Way coaxial speakers, featuring a lightweight PEI dome tweeter are designed with high efficiency. Outstanding is the Radioactive 6x9" 3-Way coaxial speaker which comes with a ferrofluid cooled PEI midrange driver. For marine use, the Radioactive line also includes two UV stable and water protected 2-Way coaxial speakers with white painted steel mesh grills. They fit perfect in yachts, bathrooms or any other humid areas.

One of the most famous categories in the Ground Zero line up is the Radioactive subwoofer line. For ultimate bass performance this line offers an enormous range of highly efficient SPL woofers, available from 25 cm (10") up to the 46 cm (18") "Monster" at an incredible price-performance-ratio and also real low bass specialists, which are equipped with 75 mm (3") high Xmax copper voice coils powered by massive double magnets. All these woofers use a lightweight, stiff paper cone and a convex IMPP dust cap with 3D Logo. For applications in limited space, the extremely flat 30 cm / 12" woofer with massive IMPP cone and just 6 cm (2.36") and 7.3 cm (2.87") mounting depth were developed.

The power for these outstanding subwoofers and speakers comes from a wide Radioactive amplifier range which contains high power amplifiers as well as the extremely small high efficient fullrange class D Radioactive MICRO amps. 6000 Watt in linkmode from a massive class D mono amp with black anodized aluminum heatsink or 4x 100Watt performed by the compact 19 cm / 7.5" long MICRO FOUR. The Radioactive line offers affordable amplifier power for any demand.





GZRA 1.600D



GZRA 4230

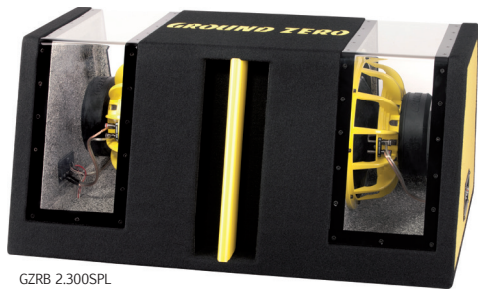


GZRA MICRO ONE

Type	Model	Power WRMS @ 4 / 2 / 1 Ω	Dimensions cm / Inch
1 Ch	GZRA 1.600D	1x 220 / 400 / 600	27 x 19 x 4,5 / 10,6 x 7,5 x 1,77"
2 Ch	GZRA 2.200G	2x 120 / 200 / -	25 x 19 x 4,5 / 10 x 7,5 x 1,77"

Type	Model	Power WRMS @ 4 / 2 / 1 Ω	Dimensions cm / Inch
1 Ch	GZRA 1.2500D	1x 750 / 1400 / 2200	55,2 x 23 x 4,7 / 21,73 x 9,06 x 1,85"
4 Ch	GZRA 4230	4x 140 / 230 / -	41,5 x 23 x 4,7 / 16,34 x 9,06 x 1,85"

Type	Model	Power WRMS @ 4 / 2 Ω	Dimensions cm / Inch
1 Ch	GZRA MICRO ONE	1 x 220 / 350	19 x 7,5 x 4,4 / 7,48 x 2,95 x 1,73"
4 Ch	GZRA MICRO FOUR	4 x 60 / 100	19 x 7,5 x 4,4 / 7,48 x 2,95 x 1,73"



GZRB 2.300SPL



GZRB 3000XSPL



GZRB 3000XFL

Model	Power handling	Impedance	Woofer Ø cm / Inch	Dimensions cm / Inch
GZRB 2.300SPL	2000 W SPL	4 x 4 Ω	2 x 30 / 12"	84 x 39,5 x 58 / 32 - 33,07 x 15,55 x 22,83 / 12,60"
GZRB 3000XSPL	1500 W SPL	2 x 2 Ω	30 / 12"	65 x 38 x 42 / 30 - 25,59 x 14,96 x 16,54 / 11,81"
GZRB 3000XFL	450 WRMS	2 x 2 Ω	30 / 12"	55 x 38,5 x 19,5 / 12 - 21,65 x 15,16 x 7,68 / 4,72"



GZRW 30XSPL-D1

Model	Ø cm / Inch	Power handling	Impedance	Mounting depth mm / Inch	Mounting Ø mm / Inch
GZRW 25XSPL-D1	25 / 10"	1200 W SPL	2 x 1 Ω	148 / 5.83"	233 / 9.17"
GZRW 25XSPL-D2	25 / 10"	1200 W SPL	2 x 2 Ω	148 / 5.83"	233 / 9.17"
GZRW 30XSPL-D1	30 / 12"	1500 W SPL	2 x 1 Ω	158 / 6.22"	283 / 11.14"
GZRW 30XSPL-D2	30 / 12"	1500 W SPL	2 x 2 Ω	158 / 6.22"	283 / 11.14"
GZRW 38XSPL-D2	38 / 15"	1800 W SPL	2 x 2 Ω	184 / 7.24"	353 / 13.90"



Model	Ø cm / Inch	Power handling	Impedance	Mounting depth mm / Inch	Mounting Ø mm / Inch
GZRW 12FL	30 / 12"	450 WRMS	2 x 2 Ω	73 / 2.87"	288 / 11.34"



Model	Ø cm / Inch	Power handling	Impedance	Mounting depth mm / Inch	Mounting Ø mm / Inch
GZRW 46SPL	46 / 18"	2000 W SPL	2 x 2 Ω	232 / 9.13"	425 / 16.73"



GZRW 12D2

Model	Ø cm / Inch	Power handling	Impedance	Mounting depth mm / Inch	Mounting Ø mm / Inch
GZRW 10D2	25 / 10"	600 WRMS	2 x 2 Ω	148 / 5.83"	233 / 9.17"
GZRW 10D4	25 / 10"	600 WRMS	2 x 4 Ω	148 / 5.83"	233 / 9.17"
GZRW 12D2	30 / 12"	800 WRMS	2 x 2 Ω	158 / 6.22"	283 / 11.14"
GZRW 12D4	30 / 12"	800 WRMS	2 x 4 Ω	158 / 6.22"	283 / 11.14"
GZRW 15D2	38 / 15"	1000 WRMS	2 x 2 Ω	184 / 7.24"	353 / 13.90"
GZRW 15D4	38 / 15"	1000 WRMS	2 x 4 Ω	184 / 7.24"	353 / 13.90"



GZRC 16XII

Model	Type	Power handling WRMS / WMAX	Mounting depth mm / Inch
GZRC 100FXII	10 cm / 4" 2 Way compo	70 / 110	30 / 1.18"
GZRC 130FXII	13 cm / 5.25" 2 Way compo	90 / 140	41 / 1.61"
GZRC 165FXII	16,5 cm / 6.5" 2 Way compo	110 / 160	44 / 1.73"
GZRC 10XII	10 cm / 4" 2 Way compo	80 / 120	48 / 1.89"
GZRC 13XII	13 cm / 5.25" 2 Way compo	100 / 150	61 / 2.4"
GZRC 16XII	16,5 cm / 6.5" 2 Way compo	120 / 180	69 / 2.7"
GZRC 6857X	13 x 18 cm / 5" x 7" 2 Way compo	120 / 180	59 / 2.32"
GZRC 165XII	16,5 cm / 6.5" Kickwoofer	100 / 160	69 / 2.72"



GZRF 65XII



GZRF 16FXII

Model	Type	Power handling WRMS / WMAX	Mounting depth mm / Inch
GZRF 42XII	10 cm / 4" 2 Way coax	60 / 100	50 / 1.97"
GZRF 52XII	13 cm / 5.25" 2 Way coax	70 / 110	61 / 2.40"
GZRF 65XII	16,5 cm / 6.5" 2 Way coax	90 / 130	69 / 2.72"
GZRF 13FXII	13 cm / 5.25" 2 Way coax	60 / 100	37 / 1.46"
GZRF 16FXII	16,5 cm / 6.5" 2 Way coax	80 / 110	44 / 1.73"
GZRF 69XII	15 x 23 cm / 6" x 9" 3 Way triax	120 / 190	84 / 3.31"
GZRF 5768X	13 x 18 cm (15 x 20 cm) / 5" x 7" (6" x 8") 2 Way coax	80 / 130	59 / 2.32"
GZRF 6900P	15 x 23 cm / 6" x 9" 3 Way triax	250 / 400	85 / 3.35"



GZMW 200NEO

GZHT 25X

Model	Type	Power handling WRMS / WMAX	Mounting depth mm / Inch
GZMW 200NEO	20 cm / 8" Mid & Kickwoofer	100 / 150	56 / 2.20"
GZHT 25X	25 mm / 1" Silk dome tweeter	60 / 100	16,3 / 0.64"
GZRX 2-Way Kick	All-purpose 2 way kickwoofer crossover		



GZRM 165

Model	Type	Power handling WRMS / WMAX	Mounting depth mm / Inch
GZRM 130	13 cm / 5.25" Marine 2 way coax	60 / 100	52 / 2.05"
GZRM 165	16,5 cm / 6.5" Marine 2 way coax	70 / 120	62 / 2.44"

TITANIUM

QUALITY OF THE PREMIUM CLASS

The Titanium Line combines quality with efficiency in a wide range of dedicated speakers, subwoofers and amplifiers.

The speaker line-up includes two 2-Way component sets, 13 cm (5.25") and 16.5 cm (6.5"), both feature a high quality 25 mm (1") silk dome tweeter with inline crossovers.

Also found in the Titanium line is a wide range of coaxial speakers: From the special of size 8.7 cm (3.5"), a 4 x 6" up to the high power 25 cm (10") 3-way with high efficient ferrofluid cooled PEI mid-tweeters.



Same as the speakers, all Titanium subwoofers use lightweight coated paper cones and high power round wire copper voice coils for perfect sound performance.

The different models: 20 cm (8") up to 38 cm (15") offer various possibilities in 2 + 2 Ohm versions; in addition they can be used in "Free Air" mode.

Another outstanding part of the line up is the Titanium amplifiers.

They all use a massive one-piece heat sink with a smooth hairline finish and black high gloss plexiglas logo plate. Equipped with removable side panel covers, they are easy to get installed with hidden wiring. Inside, high quality parts, such as double layer PCB's with SMD technology and carefully designed circuits in the Class D mono amps allow output power up to 3300 Watt in link mode.

The 2 Ohm stable full range Class AB amplifiers offer up to 5 Channels.

Made with wideband filters and high damping factors, these amplifiers are perfect for sophisticated car audio applications. Even truck drivers can enjoy the Ground Zero performance with the two 24-Volt versions, the GZTA 4-Channel and 800 Watt mono.



GZTC 165TX



GZTB 2500BP

Model	Type	Power handling WRMS / WMAX	Mounting depth mm / Inch
GZTF 10TX	10 cm / 4" 2 Way coax	60 / 100	43 / 1.69"
GZTF 13TX	13 cm / 5.25" 2 Way coax	70 / 110	52 / 2.05"
GZTF 16TX	16,5 cm / 6.5" 2 Way coax	80 / 120	61 / 2.40"
GZTF 46TX	10 x 15 cm / 4" x 6" 2 Way coax	70 / 110	48 / 1.89"
GZTF 69TX	15 x 23 cm / 6" x 9" 3 Way triax	120 / 180	80 / 3.15"
GZTF 250TX	25 cm / 10" 3 Way triax	120 / 300	102 / 4.02"
GZTC 130TX	13 cm / 5.25" 2 Way compo	90 / 140	62 / 2.44"
GZTC 165TX	16,5 cm / 6.5" 2 Way compo	110 / 160	67 / 2.64"

Model	Power handling	Impedance	Woofer Ø cm / Inch	Dimensions cm / Inch
GZTB 2500BP	300 WRMS	2 x 2 Ω	25 / 10"	48,5 x 33,2 x 38,5 / 28,5 cm - 19.09 x 13.07 x 15.16 / 11.22"
GZTB 3000BP	400 WRMS	2 x 2 Ω	30 / 12"	51 x 38 x 44,5 / 34,5 cm - 20.08 x 15 x 17.52 / 13.58"



GZTA 2155X



GZTA 4125X-B



GZTW 30TX

Model	Ø cm / Inch	Power handling	Impedance	Mounting depth mm / Inch	Mounting Ø mm / Inch
GZTW 25TX	25 / 10"	300 WRMS	2 x 2 Ω	132 / 5.20"	230 / 9.06"
GZTW 30TX	30 / 12"	400 WRMS	2 x 2 Ω	147 / 5.79"	284 / 11.18"
GZTW 38TX	38 / 15"	500 WRMS	2 x 2 Ω	172 / 6.77"	358 / 14.09"

Type	Model	Power WRMS @ 4 / 2 / 1 Ω	Dimensions cm / Inch
1 Ch	GZTA 1.800DX-B	1x 350 / 550 / 850	36,5 x 4,9 x 23 / 14,37 x 1,93 x 9,06"
1 Ch	GZTA 1.1200DX-B	1x 400 / 800 / 1300	44,5 x 4,9 x 23 / 17,52 x 1,93 x 9,06"
1 Ch	GZTA 1.1650DX - EXTREME	1x 650 / 1250 / 1800	44,5 x 4,9 x 23 / 17,52 x 1,93 x 9,06"
2 Ch	GZTA 2155X	2x 100 / 150 / -	29,8 x 4,9 x 23 / 11,73 x 1,93 x 9,06"
2 Ch	GZTA 2255X	2x 150 / 250 / -	39,7 x 4,9 x 23 / 15,63 x 1,93 x 9,06"
4 Ch	GZTA 4125X-B	4x 90 / 130 / -	39,7 x 4,9 x 23 / 15,63 x 1,93 x 9,06"
5 Ch	GZTA 5120X-B	4x 50 & 1x 180 / 4x 70 & 1x 260 / -	47,5 x 4,9 x 23 / 18,70 x 1,93 x 9,06"
1 Ch	GZTA 1.800DX-24V	24V: 1x 350 / 550 / 850	36,5 x 4,9 x 23 / 14,37 x 1,93 x 9,06"
4 Ch	GZTA 4125X-24V	24V: 4x 90 / 130 / -	39,7 x 4,9 x 23 / 15,63 x 1,93 x 9,06"

IRIDIUM

UNEXPECTED FEATURES AND PERFORMANCE IN THE ENTRY LINE

Representing the Entry class of Ground Zero's line-up, the Iridium line offers outstanding features and performance with a wide range of affordable products.

The speaker line-up starts with efficient fullrange speakers, all coming with Mylar tweeters and Piezo super tweeters, for the 6" x 9" version a tweeter protection is added as well. The 2-Way component speaker systems feature audiophile 19 mm (0.75") silk dome tweeters and easy-fit inline crossovers instead. All these drivers use Euro Din baskets for easy installation and high-tech IMPP cones for a pleasing sound reproduction over the whole frequency width.

The subwoofers, available in 20 cm (8"), 25 cm (10") and 30 cm (12"), use the IMPP cone as well. In combination with the convex PP dust cap, its embossed 3D Ground Zero logo, long lasting POLYCOT spiders with woven-in lead wires and high power copper voice coils, all of the Iridium subwoofers offer precise bass in various applications.

In addition: Iridium subwoofers are offered in a variety of high quality MDF enclosures with bass tunnel and compact front slot port. For easy bass upgrades to any automotive sound system, there are also two amplified subwoofer enclosures available in 20 cm (8") and 30 cm (12").

Their high level input and auto-on function enables easy installation and connection.

This auto-on function is also one of the key features for the Iridium amplifier range. The line-up contains two high power Mono amplifiers providing up to 600 W, three different 2-Channel amplifiers with a maximum power of 2 x 235 W and a high quality symmetrical 4-Channel amplifier. All of them coming in a robust aluminum heat sink, designed in hairline finishing and with a black Plexiglas showing the white illuminated Ground Zero logo.





GZIW 250X

Model	Ø cm / Inch	Power handling	Impedance	Mounting depth mm / inch	Mounting Ø mm / Inch
GZIW 200X	20 / 8"	150 WRMS	4 Ω	101 / 3.98"	182 / 7.17"
GZIW 250X	25 / 10"	250 WRMS	4 Ω	130 / 5.12"	230 / 9.06"
GZIW 300X	30 / 12"	350 WRMS	4 Ω	145 / 5.71"	284 / 11.18"



GZIW 12SPL

Model	Ø cm / Inch	Power handling	Impedance	Mounting depth mm / Inch	Mounting Ø mm / Inch
GZIW 12SPL	30 / 12"	1000 W SPL	2 x 2 Ω	162 / 6.38"	284 / 11.18"



GZIB 200BR-ACT



GZIB 300BR-ACT

Model	Power RMS / Max	Woofer Ø cm / Inch	Dimensions cm / Inch
GZIB 200BR-ACT	100 / 200	20 / 8"	38 x 26 x 31 / 24,5 15 x 10,24 x 12,2 / 9,65"
GZIB 300BR-ACT	150 / 300	30 / 12"	44 x 36,5 x 39 / 30 17,32 x 14,37 x 15,35 / 12"

High quality active subwoofer with class A/B mono amplifier module



GZIA 4115HPX

Type	Model	Power WRMS @ 4 / 2 / 1 Ω	Dimensions cm / Inch
1 Ch	GZIA 1.300HPX	1x 200 / - / -	20 x 21,3 x 5,0 / 7,87 x 8,39 x 1,97"
1 Ch	GZIA 1.600HPX	1x 230 / 400 / 600	33,3 x 21,3 x 5,0 / 13,11 x 8,39 x 1,97"
2 Ch	GZIA 2080HPX	2x 60 / 80 / -	17,5 x 21,3 x 5,0 / 6,89 x 8,39 x 1,97"
2 Ch	GZIA 2130HPX	2x 85 / 130 / -	21,5 x 21,3 x 5,0 / 8,46 x 8,39 x 1,97"
2 Ch	GZIA 2235HPX	2x 150 / 235 / -	28,5 x 21,3 x 5,0 / 11,22 x 8,39 x 1,97"
4 Ch	GZIA 4115HPX	4x 70 / 115 / -	28,5 x 21,3 x 5,0 / 11,22 x 8,39 x 1,97"



GZIB 80XBT

Model	Power handling	Impedance	Woofer Ø cm / Inch	Dimensions cm / Inch
GZIB 80XBT	150 WRMS	4 Ω	20 / 8"	38 x 24,5 x 28,5 / 23 14,96 x 9,65 x 11,22 / 9,06"
GZIB 100XBT	250 WRMS	4 Ω	25 / 10"	46 x 29,5 x 36 / 26 18,11 x 11,61 x 14,17 / 10,24"
GZIB 120XBT	350 WRMS	4 Ω	30 / 12"	53 x 34,5 x 42 / 30,5 20,87 x 13,58 x 16,54 / 12,01"



Model	Power handling	Impedance	Woofer Ø cm / Inch	Dimensions cm / Inch
GZIB 3000SPL	1000 W SPL	2 x 2 Ω	30 / 12"	56 x 36 x 36 / 26 22,05 x 14,17 x 14,17 / 10,24"



Model	Power handling	Impedance	Woofer Ø cm / Inch	Dimensions cm / Inch
GZIB 80PT	150 WRMS	4 Ω	20 / 8"	25,2 x 26 x 52 / 40 9,92 x 10,24 x 20,47 / 15,75"



GZIB 2.300BR

Model	Power handling	Impedance	Woofer Ø cm / Inch	Dimensions cm / Inch
GZIB 200BR	150 WRMS	4 Ω	20 / 8"	38 x 26 x 29 / 23 15 x 10,24 x 11,42 / 9,06"
GZIB 250BR	250 WRMS	4 Ω	25 / 10"	40 x 32,5 x 36 / 28 15,75 x 12,8 x 14,17 / 11,02"
GZIB 300BR	350 WRMS	4 Ω	30 / 12"	44 x 36,5 x 39 / 30 17,32 x 14,37 x 15,35 / 12"
GZIB 2.300BR	700 WRMS	2 x 2 Ω	2x 30 / 12"	82 x 36,5 x 39 / 29 32,28 x 14,37 x 15,35 / 11,4"



GZIF 6503X

Model	Type	Power handling WRMS / WMAX	Mounting depth mm / Inch
GZIF 4003X	10 cm / 4" 3 Way coax	60 / 100	44 / 1.73"
GZIF 5203X	13 cm / 5.25" 3 Way coax	70 / 110	50 / 1.97"
GZIF 6503X	16,5 cm / 6.5" 3 Way coax	80 / 120	60 / 2.36"
GZIF 6904X	15 x 23 cm / 6" x 9" 4 Way coax	120 / 180	83 / 3.27"



GZIC 650X

Model	Type	Power handling WRMS / WMAX	Mounting depth mm / Inch
GZIC 525X	13 cm / 5.25" 2 Way compo	90 / 140	52 / 2.05"
GZIC 650X	16,5 cm / 6.5" 2 Way compo	100 / 150	62 / 2.44"
GZHT 19X	19 mm / 0.79" Silk dome tweeter	40 / 70	20 / 0.79"



CAR SPECIFIC OEM SOUND UPGRADE SOLUTIONS

The Line of "Car Specific Solutions" consists of various components all designed to upgrade the audio systems of modern cars.

The dedicated speaker kits for BMW cars are the start of a line-up for future "Plug and Play" speaker solutions, which can be installed without complications by replacing the factory equipment.

When the addition of lower frequencies is needed, compact bass upgrades are available. All three of these active subwoofers are engineered in very flat housings with the target of easy installation as well, for example under the seat. With high-level inputs featuring they can be easily connected, another valuable feature is the auto-on function.

For the comfortable volume control from the driver seat, a remote control is included.

As some of the head units are missing power and therefore sound performance, the 4-/3-Channel ISO Amp was developed.

When connecting to the original harness in a car, its rear channels can be even bridged to drive a passive subwoofer.

For ambitious sound upgrades the digital sound processor (DSP) GZCS 6-8DSP owns 6 input channels which can be used with high- and low level signals to support up to 8 amplifier channels with all necessary functions to run a full active 4Way system as well as the typical front/rear/sub setup.

Beside various possibilities of the active crossovers, such as adjustable HPF, LPF and BPF with Linkwitz or Butterworth characteristics, the time alignment function is equal important to the possibilities of the integrated parametric EQ.





Type	Model	Power @ 4 / 2 Ω	Output power @ 4 Ohm (3 Ch)	Dimensions cm / Inch
4Ch	GZCS 4.60ISO	4x 70 / 90	4x 70 & 1x 180	16,5 x 13,5 x 5,2 / 6.5 x 5.3 x 2.05"

High efficient plug'n'play analog amplifier for any vehicle with passive sound system and ISO connection. Including 2 m / 6.56 ft cable harness with ISO adaption.



Model	Type	Channels	Dimensions cm / Inch
GZCS 6-8DSP	Digital sound processor	6 Individual input 8 RCA output	20 (23) x 12,3 x 4,5 / 7.87 (9.06) x 4.84 x 1.77"

- Up to 1/2/3/4/5/6 channel input summing
- 2x AUX input: Analog 2 channel and digital optical input
- Low or high level input applicable
- All settings in real-time
- Convenient 1-Page GUI (graphical user interface)
- 10-band parametric equalizer (20Hz–20kHz, -15 dB–+15 dB, Q Factor 0.5–10)
- LPF & HPF & BPF adjustable
- Phase-shift (each channel: 0 / 180 degrees)
- Time delay adjustable in 0,01 ms per step and up to 22 ms (7.6 meter, 298.7") maximum
- Adjustable input sensitivity : 0.5V –22V
- External controller for 4 presets and main volume controls
- CODEC(ADC/DAC Embedded)
- Performance (24bit/192kHz)
- 98.304 MHz Maximum speed
- Sample rates of 32 kHz to 192 kHz
- 32 bit User programmable biquads/ch
- 128 Kbyte Program memory
- 8 KBytes Internal SRAM
- 5.88K Words of 24-Bit delay memory (170 ms/ch 48kHz)



GZ BMW Kit - Passive (2 Channel)					
Door equipment	Underseat woofer	Underseat bracket	Passive crossover	Impedance	Designed for
1 System GZRC 100FXII	2 Pieces GZMW 200NEO	1 Set GZBR 200BMW	1 Pair GZRX 2-Way Kick	3 Ω	BMW OEM Radio or 2 channel amplifier

GZ BMW Kit - Active (4 Channel)					
Door equipment	Underseat woofer	Underseat bracket	Recommended power	Recommended cut-off frequency	Designed for
1 System GZRC 100FXII	2 Pieces GZMW 200NEO	1 Set GZBR 200BMW	Min. 4x 70 W @ 4 Ω	150 Hz	4 Channel half active mode



GZTB 200XACTII



GZTB 800XACTII
GZTB 1000XACTII

Model	Power WRMS / WMAX	Woofer Ø cm / Inch	Dimensions cm / Inch
GZTB 200XACTII	80 / 140	20 / 8"	34,8 x 26,5 x 7,6 / 13.70 x 10.43 x 2.99"
GZUB 800XACTII	120 / 180	20 / 8"	34,5 x 24 x 6,8 / 13.58 x 9.45 x 2.68"
GZUB 1000XACTII	150 / 210	25 / 10"	36 x 27 x 7,8 / 14.17 x 10.63 x 3.07"

- Extremely flat high power active subwoofers with massive cast enclosure for resonance free bass performance.
- High-level inputs with Auto-On function for easy-fit installation in OEM sound systems.

COMPETITION

ULTIMATE COMPONENTS FOR SQL / ESQ, ESPL AND PA

Designed to perform high professional SPL, the Competition line contains a very wide range of highly specialized speakers and drivers.

For the best of high frequencies, nine different high efficient compression tweeters offer various possibilities. From massive aluminum horn drivers onwards up to three rectangle models which have an extreme wide angle dispersion of 90° x 60°, any application target can be met.

The heavy duty midrange drivers are available up to 25 cm (10") size, all of them use lightweight pressed paper cones combined with stiff spiders and surrounds made of cotton for outstanding high power handling and stability.

The two 30 cm (12") hard bass woofers with their high power copper wire voice coils are optimized for free-air, horn and vented applications. Based on an optimized lightweight pressed paper cone, they are even suitable for wide-band use up to 3 kHz.

The Competition line also includes some high tech fullrange speakers, such as extra flat high efficient 2-way coax speakers with integrated high power compression tweeter.

Also coming in the Competition line are the unique "Made in Italy" SPL models with their special dual cone construction or the High-Fidelity coax speaker with its 32 mm (1.26") silk dome tweeter, available as a 20 cm (8") version for extremely loud applications on highest sound quality level.





Model	Type	Power handling WRMS / WMAX	Mounting depth mm / Inch
GZCF 7104SPL	18 x 25 cm / 7" x 10" 4 Way coax	150 / 250	84 / 3.3"

7" x 10" Oversize 4-way coax speaker including mounting bracket for 6" x 9" installation



Model	Type	Power handling WRMS / WMAX	Mounting depth mm / Inch
GZCW 6-4Y	16,5 cm / 6.5" Midwoofer	100 / 200	75 / 2.95"

GZCX 130/160 2 Way crossover for GZCW 6-4Y and GZCT tweeters



Model	Type	Power handling WRMS / WMAX	Mounting depth mm / Inch
GZCF 8-4SPL	20 cm / 8" Midwoofer / Fullrange	300 / 600	92 / 3.62"
GZCF 8-4Coax SPL	20 cm / 8" 2 Way coax	200 / 400	92 / 3.62"

GZCX 8-4Coax SPL 2 Way crossover for GZCF 8-4Coax-SPL

High End fullrange competition speakers „Made in Italy“



Model	Type	Power handling WRMS / WMAX	Mounting depth mm / Inch
GZCF 165COAX	16,5 cm / 6.5" 2 Way coax	150 / 300	79 / 3.11"
GZCF 200COAX	20 cm / 8" 2 Way coax	200 / 400	89 / 3.5"

Extra flat high efficient 2-way coax competition speaker with high power dome compression tweeter

COMPETITION SPEAKERS



Model	Type	Power handling WRMS / WMAX	SPL 1W / 1m	Mounting depth mm / Inch
GZCW 12-75SPL	30 cm / 12" Woofer	400 / 800	96 dB	133 / 5.24"

High power woofer with 2-layer 75 mm / 3" copper round wire voice coil, optimized for free-air, horn and vented applications.



Model	Type	Power handling WRMS / WMAX	SPL 1W / 1m	Mounting depth mm / Inch
GZCW 12-50	30 cm / 12" Woofer	300 / 600	96 dB	130 / 5.12"

High power woofer with 2-layer 50 mm / 2" copper round wire voice coil, optimized for free-air, horn and vented applications.



Model	Type	Power handling WRMS / WMAX	SPL 1W / 1m	Mounting depth mm / Inch
GZCM 6-4PPX	17 cm / 6.69" Midrange	150 / 400	95 dB	82 / 3.23"
GZCM 8-4PPX	20 cm / 8" Midrange	200 / 500	96 dB	92 / 3.62"
GZCM 10-4PPX	25 / 10" Midrange	300 / 600	96 dB	108 / 4.25"

High power midrange with copper-clad aluminum round wire voice coil and massive aluminum phase plug and cast basket.



Model	Type	Power handling WRMS / WMAX	SPL 1W / 1m	Mounting depth mm / Inch
GZCM 8-4FX	20 / 8" Midrange	100 / 400	94 dB	65 / 2.56"
GZCM 10-4FX	25 / 10" Midrange	200 / 500	96 dB	76 / 2.99"

High power flat midrange with copper-clad aluminum round wire voice coil



Model	Type	Power handling WRMS / WMAX	SPL 1W / 1m	Mounting depth mm / Inch
GZCT 0500X	43 mm / 1.69" Compression tweeter	30 / 100	102 dB	43 / 1.69" incl. terminals

High power tweeter with 25 mm / 1" copper clad aluminum flat wire voice coil, massive aluminum cast baffle and powerful neodym magnet.



Model	Type	Power handling WRMS / WMAX	SPL 1W / 1m	Mounting depth mm / Inch
GZCT 1800X	86,4 x 86,4 mm / 3.4" x 3.4" Compression tweeter	30 / 100	102 dB	55,5 / 2.19"
GZCT 2000X	79 x 79 mm / 3.1" x 3.1" Compression tweeter	30 / 100	100 dB	53 / 2.09"
GZCT 2200X	102 x 102 mm / 4.02" x 4.02" Compression tweeter	40 / 120	105 dB	58 / 2.28"



Model	Type	Power handling WRMS / WMAX	SPL 1W / 1m	Mounting depth mm / Inch
GZCT 3500X-B	98 mm / 3.86" Compression tweeter	30 / 100	99 dB	40 / 1.57"
GZCT 3500X-S	98 mm / 3.86" Compression tweeter	30 / 100	99 dB	40 / 1.57"

High power tweeter with 25 mm / 1" copper clad aluminum flat wire voice coil and massive aluminum cast baffle. Available in black or silver.



Model	Type	Power handling WRMS / WMAX	SPL 1W / 1m	Mounting depth mm / Inch
GZCT 4000X	160 x 120 mm / 6.3" x 4.7" Compression tweeter	50 / 140	103 dB	87 / 3.43"

High power tweeter with 44,5 mm / 1.75" copper-clad aluminum round wire voice coil, massive aluminum cast baffle and wide range 90° x 60° dispersion.



Also available in black as GZCT 5000SPL-B

Model	Type	Power handling WRMS / WMAX	SPL 1W / 1m	Mounting depth mm / Inch
GZCT 5000SPL	200 x 150 mm / 8" x 5.9" Compression tweeter	70 / 180	108 dB	142 / 5.59"

High power tweeter with 44,5 mm / 1.75" copper clad aluminum round wire voice coil, elliptical ABS plastic tractrix horn and wide range 90° x 60° dispersion.

ACCESSORIES



Model	Type	∅	Spool length
GZPC 10R / GZPC 10B	High flexible CCA power cable	10 mm ² / 7 AWG	50 m
GZPC 20R / GZPC 20B	High flexible CCA power cable	20 mm ² / 4 AWG	50 m
GZPC 35R / GZPC 35B	High flexible CCA power cable	35 mm ² / 2 AWG	30 m
GZPC 50R / GZPC 50B	High flexible CCA power cable	50 mm ² / 0 AWG	20 m



Model	Type	∅	Spool length
GZPC 20B / GZPC 20Y OFC	High flexible OFC pure copper power cable	20 mm ² / 4 AWG	30 m
GZPC 35B / GZPC 35Y OFC	High flexible OFC pure copper power cable	35 mm ² / 2 AWG	30 m
GZPC 50B / GZPC 50Y OFC	High flexible OFC pure copper power cable	50 mm ² / 0 AWG	15 m



Model	Type	∅	Spool length
GZSC 2-0.75	High flexible CCA speaker cable	0.75 mm ² / 18 AWG	200 m
GZSC 2-1.50	High flexible CCA speaker cable	1.50 mm ² / 15 AWG	200 m
GZSC 2-2.50	High flexible CCA speaker cable	2.50 mm ² / 13 AWG	200 m
GZSC 2-4.00	High flexible CCA speaker cable	4.00 mm ² / 11 AWG	100 m



Model	Type	RCA cable	Fuse
GZPK 10XLC	10 mm ² / 7 AWG Cable kit	5 m Single-shielded	Mini ANL 60A
GZPK 10X	10 mm ² / 7 AWG Cable kit	5 m Stereo triple-shielded	Mini ANL 60A
GZPK 20X	20 mm ² / 4 AWG Cable kit	5 m Stereo triple-shielded	Mini ANL 80A
GZPK 35X	35 mm ² / 2 AWG Cable kit	5 m Stereo triple-shielded	ANL 200A
GZPK 50X	50 mm ² / 0 AWG Cable kit	5 m Stereo triple-shielded	ANL 300A



GZCC 0.57X-TP



GZCY 30X



GZCC 5.3X

Model	Type	Length / Type
GZCC 5.1XLC	RCA cable	5 m Stereo Twisted
GZCC 5.3X	RCA cable	5 m Stereo Triple-shielded
GZCC 0.57X-TP	RCA cable	0,57 m Stereo Triple-shielded
GZCC 1.14X-TP	RCA cable	1,14 m Stereo Triple-shielded
GZCC 3.14X-TP	RCA cable	3,14 m Stereo Triple-shielded
GZCC 5.49X-TP	RCA cable	5,49 m Stereo Triple-shielded
GZCY 30X	Y-Adapter	20 cm 1x female / 2x male

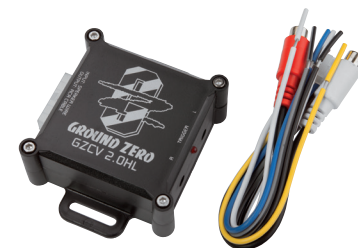


GZPC 12.0FX



GZTC 1.0FX

Model	Type	Capacity
GZTC 1.0FX	Power cap	1 Farad
GZHC 2.0F	Power cap	2 Farad
GZPC 12.0FX	Power cap	12 Farad



Model	Type	Pre-Out voltage	RCA Line driver	Auto-On
GZCV 2.0HL	Active 2 channel High-Low-Level Converter	(1:1 Converter)	-	✓

ACCESSORIES

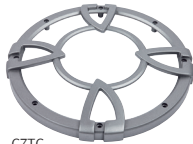


GZDR 1000
Heavy Duty damping roller

Model	Material	Panel QTY	Dimension / 1 panel mm / Inch
GZDF 300-G	Self adhesive elastic polyurethan	3 panels = 0,5 m ² / 5.38 ft ²	500 x 1000 x 10 / 19.69 x 39.37 x 0.39"
GZDM 2500-G	Self adhesive alubutyl	25 panels = 2,5 m ² / 26.91 ft ²	265 x 375 x 2,2 / 10.43 x 14.76 x 0.086"
GZDM 1850-ML	Self adhesive multi layer (Alubutyl + flexible damping foam)	20 panels = 1,84 m ² / 19.80 ft ²	230 x 400 x 4,5 / 9.06 x 15.75 x 0.18"
GZDM 3700-AB	Self adhesive alubutyl	40 panels = 3,68 m ² / 39.61 ft ²	230 x 400 x 1,6 / 9.06 x 15.75 x 0.06"
GZDF 1600-SA	Self adhesive viscous polyurethane foam	8 panels = 1,60 m ² / 17.22 ft ²	400 x 500 x 15 / 15.75 x 19.69 x 0.59"



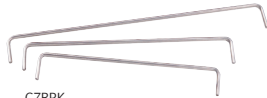
GZMG 165/6.5



GZTG

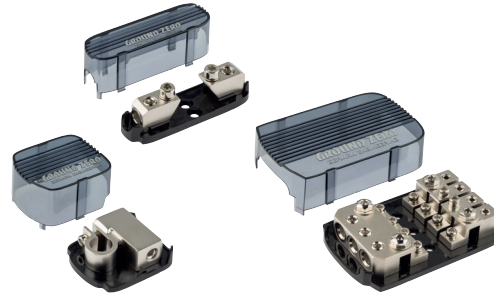


GZMG



GZBRK

Model	Available in mm / Inch
GZMG 165 / 6.5	165 / 6.5"
GZTG	200 - 380 / 8 - 15"
GZMG	200 - 380 / 8 - 15"
GZBRK	250 - 380 / 10 - 15"



Model	Type	Fuse	Input mm ² / AWG	Output mm ² / AWG
GZFH 1.50/1.50 ANL/MANL	Fuseholder	ANL/MANL	1x 50 / 0	1x 50 / 0
GZFH 1.50/2.20 ANL/MANL	Fuseholder	ANL/MANL	1x 50 / 0	2x 20 / 4
GZFH 1.20/1.20 MANL	Fuseholder	MANL	1x 20 / 4	1x 20 / 4
GZFH 1.20IL MANL	Fuseholder	MANL	1x 8-20 / 8-4	1x 8-20 / 8-4
GZFH 3.50/4.20 ANL/MANL	Fuseholder	ANL/MANL	3x 50 / 0	4x 20 / 4
GZBT 2.50 MANL-POS	Battery Terminal + (with MANL fuse)	MANL	-	1x 50 / 0 Direct (1x 50 / 0 Fused with MANL)
GZBT 2.50 NEG	Battery Terminal -	-	-	2x 50 / 0
GZDB 3.50/4.20	Distribution Block	-	3x 50 mm ² / 0 AWG	4x 20 / 4



Model	Color
GZAP 80A	Anthracite
GZAP 80B	Black
GZAP 80Y	Yellow

Airflow optimized port with 8 cm Ø and 30 cm port length (3.15" Ø and 12")



Model	Suitable for
GZTA Bassremote	Bass remote for GZIA, GZTA, GZHA, GZNA amps



Model	Available as
GZFU ANL	100, 150, 200, 300, 400A Packed in 1 pc per blister
GZFU Mini ANL	40, 60, 80, 100, 150, 200A Packed in 2 pcs per blister

Also available in polybag with 10 pcs



Model GZHP 40-OE

High quality foldable on ear headphone
 Speaker: 40 mm
 Sensitivity: 100±3 dB at 1 KHz
 Microphone sensitivity: -43 ±4 dB
 Frequency Response: 20 Hz – 20KHz
 Impedance: 32 ± 15% Ω
 Max Power: 30 mW
 Plug Type: 3.5 mm
 Cable length: 120 cm / 47 in.
 Cable: Dual side cable
 Weight: 150 g
 In-Line Mic compatible with Apple/Samsung/HTC and more



Model GZHP 9-IE

High quality in ear headphone with aluminum housing
 Speaker: 9 mm
 Sensitivity: 98 dB / mW at 1 KHz
 Microphone sensitivity: -42 ±3 dB
 Impedance: 32 Ω
 Frequency Response: 20 Hz – 20KHz
 RMS: 3 mW
 Plug Type: 3.5 mm
 Cable length: 120 cm / 47 in.
 Weight: 15 g
 In-Line Mic compatible with Apple/Samsung/HTC and more





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