

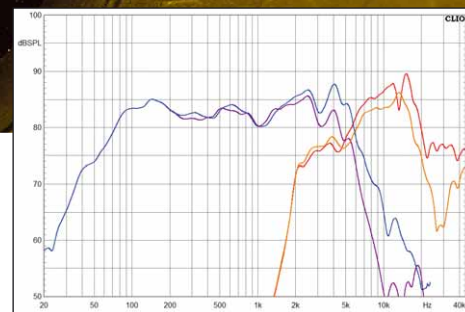
Ground Zero GZIC 130.2 and GZIC 165.2
– composite systems for an entry-level price

Affordable speakers

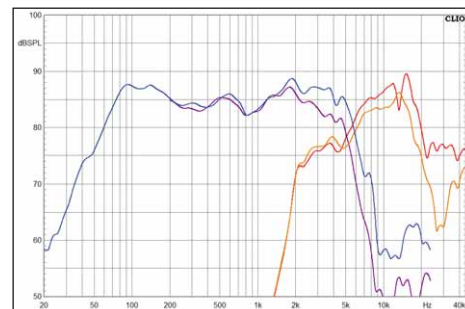
► After we have already tested the coax speakers from Ground Zero's Iridium series, now is the turn of component systems. GZIC 130.2 and GZIC 165.2 make two of them - and here they are.

Under their Iridium label, Ground Zero offer entry-level products. Amplifiers, loudspeakers and subwoofers are in the lower price segment, so our 13 cm and 16 cm (5.25" and 6.5") component systems would cost you less than 100 euros. Obviously you can't expect high-end quality for this price. Nevertheless, even the utmost beginners or music fans on a tight budget might want to acquire properly crafted speakers. And with our GZIC you've found a great option. We are looking at pretty neat woofers, small tweeters and tiny switch boxes, designed with the signature hexagonal honeycomb grid. This design is used in the protective grilles of tweeters and woofers, and the woofer's cones are also furnished with a three-dimensional

pattern. The cones are made of plastic, and Ground Zero didn't just think about the optics here: the radially curved stiffeners are also good for stability and resonance behavior. Dustcaps and surrounds are made of rubber, all parts are black, including the metal frames and the plastic caps over the magnets. The spiders are placed higher than the bonding line in order to give the cone assembly more free movement. The motor works with ferrite magnets and 25 mm (1") voice coils - holding up to the good standards. Unfortunately, there is no proper ventilation system built in the woofers; there are neither vented pole pieces nor vents in the frame. The tweeters are quite compact and easy to install, thanks to a small 19 mm (0.75") dome. Here, too,



The 13 bass-midrange driver works perfectly even without a crossover, a 12 dB filter intervenes on the tweeter so that it shows its best starting from 5 kHz



With the GZIC 165.2, the midbass without a crossover runs with an almost perfect roll-off, its characteristic sound pressure of 86 dB at 2 V is good enough to run on the radio



The bass-midrange drivers are solidly crafted and turned out quite upscale for their price class

The GZIC tweeter uses a 19 mm plastic dome



the domes are made of plastic, as one would expect in this price range. The woofers do not need any crossovers because of the complex cone geometry, as their construction naturally ensures a good performance. The switch box is only responsible for the tweeter, which is performing above average with a 12 dB filter, a PTC protective resistor and a two-stage level selection.

Measurements and sound

Both bass midrange drivers show flawless performance in front of our measuring microphone. They show a good amplitude response, with enough midrange component even at an angle. The tweeters do not run perfectly, there is a resonance at 13 kHz and they decline after a peak at a good 17 kHz. The basic resonance of the small dome is naturally quite high at 2.3 kHz, so that the tweeter only gains momentum at 5 kHz. During the listening test, the Ground Zeros behave very well. They even sound quite balanced and know how to authentically reproduce singer and instrument parties. The bass range is pleasing in both the 130.2 and the 165.2, with the larger system emphasizing volume rather than depth. This brings in a lot of fun, especially with bass-heavy music, since both systems can handle a lot of levels and don't reach their limits so easily. Resolution and spatial mapping are typical for the price class, here the Ground Zeros don't overwhelm but don't let you down either. In general we find the performance of the two GZICs quite appealing. You can enjoy your music and the sound is good enough to bring you lots of fun.

Conclusion

With the Iridium compos GZIC 130.2 and GZIC 165.2, Ground Zero introduces two systems that bring a lot of great sound for very little money. They won't disappoint you.

Elmar Michels



The small crossover only connects the tweeter with a 12 dB filter and level adjustment



Speakers	Ground Zero GZIC 130.2	Ground Zero GZIC 165.2
Price	90 Euro	100 Euro
Distributor	Ground Zero Egmatung	Ground Zero Egmatung
Hotline	08095 873830	08095 873830
Internet: www.	ground-zero-audio.com	ground-zero-audio.com

Rating		1,3	1,5	2,0	2,5	3,0	3,5	4,0	4,5	5,0
Sound	55 %	1,3	1,5	2,0	2,5	3,0	3,5	4,0	4,5	5,0
Bass	11 %	1,0	1,5	2,0	2,5	3,0	3,5	4,0	4,5	5,0
Neutrality	11 %	1,5	1,5	2,0	2,5	3,0	3,5	4,0	4,5	5,0
Transparency	11 %	2,0	1,5	2,0	2,5	3,0	3,5	4,0	4,5	5,0
Spatial imaging	11 %	1,0	1,5	2,0	2,5	3,0	3,5	4,0	4,5	5,0
Dynamics	11 %	1,0	1,5	2,0	2,5	3,0	3,5	4,0	4,5	5,0
Lab	30 %	1,3	1,5	2,0	2,5	3,0	3,5	4,0	4,5	5,0
Frequency response	10 %	1,5	1,5	2,0	2,5	3,0	3,5	4,0	4,5	5,0
Max. SPL	10 %	1,0	1,5	2,0	2,5	3,0	3,5	4,0	4,5	5,0
Distortions	10 %	1,5	1,5	2,0	2,5	3,0	3,5	4,0	4,5	5,0
Practice	15 %	1,5	1,5	2,0	2,5	3,0	3,5	4,0	4,5	5,0
Crossover	10 %	1,5	1,5	2,0	2,5	3,0	3,5	4,0	4,5	5,0
Build quality	5 %	1,5	1,5	2,0	2,5	3,0	3,5	4,0	4,5	5,0

Specifications

	130 mm	165 mm
Basket diameter	130 mm	165 mm
Mounting diameter	118 mm	144 mm
Mounting depth	58 mm	65 mm
Magnet diameter	85 mm	90 mm
Membrane tw	19 mm	19 mm
Casing tw	42 mm	42 mm
slope wf/tw	-12 dB	-12 dB
Tweeter protection	PTC	PTC
Tweeter level adjustable	+2, 0 dB	+2, 0 dB
Grid	•	•
Others	-	-
Nominal impedance	4 Ohm	4 Ohm
DC resistance Rdc	3,51 Ohm	3,24 Ohm
Coil inductivity Le	0,23 mH	0,24 mH
Coil diameter	25 mm	25 mm
Membrane surface	82 cm ²	137 cm ²
Resonance frequency fs	77 Hz	77 Hz
Mechanical Q-Factor Qms	3,42	4,48
Electrical Q-factor Qes	1,23	1,92
Overall Q-factor Qts	0,91	1,34
Equivalent volume Vas	4,3 l	8,9 l
Moved mass Mms	9,2 g	12,4 g
Rms	1,31 kg/s	1,35 kg/s
Cms	0,46 mm/N	0,34 mm/N
B x l	3,57 Tm	3,20 Tm
SPL 2V, 1m	84 dB	86 dB
Recommended power	20 - 80 W	20 - 80 W

Middle Class	1,3	Middle Class	1,4
CAR & HiFi	1/22	CAR & HiFi	1/22
Price-Performance: very good		Price-Performance: very good	
„Affordable systems with good performance.“		„Affordable systems with good performance.“	