

GROUND ZERO®

GERMAN ENGINEERING



Limited Edition Loudspeaker System GZRC 165 Anniversary-25

25th Anniversary

Owner's Manual

English

Introduction

Thank you for choosing a GROUND ZERO product !

This is the owner´s manual providing instructions on the operation and installation of this car audio loudspeaker system. Please, read it carefully. If you have any further questions, please contact your local Ground Zero dealer or our regional distribution partner.

The loudspeakers are one of the most important parts of your car audio system. However, it will only be able to deliver its full performance when each part of the whole system is tuned carefully matching each other.

Therefore, we recommend consulting a car audio specialist to compile the desired sound system, as well as for installation and tuning.

We hope you will enjoy the sound quality when listening to your favorite music with an enthusiastic development by the Ground Zero engineering team!

GROUND ZERO 25th Anniversary Edition

25 years of sophisticated car audio products

GROUND ZERO was founded in 1995 by Karl Felix Lautner. Initially, car audio products from the US were offered in sales and from 1997, the revolutionary subwoofer from GZ Engineering USA brought to the European market. The following years, the German company took over the European trademark rights to GROUND ZERO and began developing market-specific products. Finally, in 2003, GROUND ZERO GmbH acquired all worldwide registered rights from the US company that had ceased operations. Expanded sales to distributors and customers worldwide started since. Today, more than 400 advanced audio products designed and developed at GROUND ZERO's in-house development department are available in over 65 countries worldwide. To this day, every single loudspeaker, subwoofer or amplifier of GROUND ZERO´s current line-up carries parts of the visionary ideas of its company founder and is personally reviewed by him prior to the market launch. Without exception, only if a new development meets its high demands, his signature starts the production.

GZRC 165 Anniversary-25 is a limited-edition loudspeaker system celebrating amazing 25 years of sophisticated car audio products signed by Karl Felix Lautner.

Terms of Warranty

The limited warranty for this product is covered by GROUND ZERO´s regional distribution partners and their terms and conditions. For further information contact your local retailer or regional distributor.

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Limited Edition Loudspeaker system

GZRC 165 Anniversary-25

Features

- High quality 2-way SQ component system
- GROUND ZERO 25th anniversary limited edition
- Klippel® optimized midwoofer with black anodized aluminum cone
- Gold colour anodized dust cap
- Nomex spider / rubber surround
- Copper cap for impedance linearizing
- Resonance free steel basket with anticorrosive coating
- Gold-plated terminals
- 1.1" SQ silk dome tweeter with flush surface installation housing
- 12 dB/oct. crossover with level adjustment and including a high-quality Mundorf® capacitor
- 25th Anniversary key ring pendant

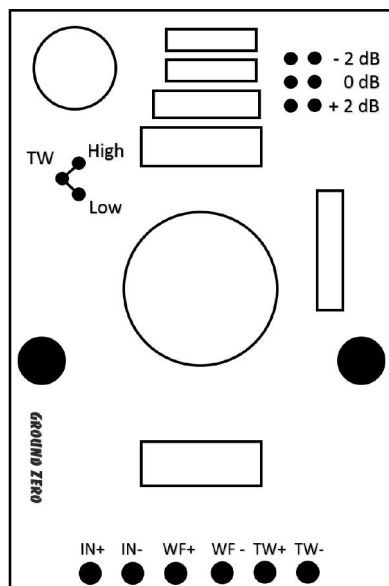
General installation note

- Never drill a hole to the vehicle’s gas tank or brake lines, to wirings or any other important vehicle parts!
- Never pass wires over sharp edges or vehicle parts due avoid any kind of damage
- Keep the wiring away from the antenna and electronic devices contributing to radio reception
- Place signal (RCA) and loudspeaker wiring distantly from power wires

Specifications

Model	GZRC 165 Anniversary-25	
Impedance	3 ohms	
Frequency response	35 Hz – 25 kHz	
Cut-off frequency	3000 Hz (12 dB / Okt.)	
Efficiency (SPL)	90 dB	
Power handling (RMS)	130 Watt	
Power handling (max.)	200 Watt	
Dimensions	Midwoofer GZRK 165 Anniversary-25	Tweeter GZUT 28SQ-25
Outer diameter	165 mm / 6.5"	54 mm / 2.13"
Mounting diameter	142.5 mm / 5.61"	48 mm / 1.89"
Mounting depth	68 mm / 2.68"	18 mm / 0.71"

Frequenzweiche



Tweeter level adjustment:
The tweeter level can be set by positioning the jumper to the required level position

Tweeter cut-off frequency:
The high pass crossover frequency can be selected with the jumper between low or high

IN Input from head unit / amplifier
TW OUT Tweeter connector
WF OUT Mid/kickwoofer connector

Noise damping – Essential basis for high-quality sound experience

Simple or thin surfaces and panels of the car's body and in the vehicle's interior tend by stimulation to vibrations, in particular by vibrations that arise while driving or when playing music with the speaker cones. In order to reduce the resulting booming, the natural resonance, means the frequency at which these surfaces resonate particularly strongly, must be reduced. For this purpose, the insulation of aluminum-butyl requires the largest possible mass. For this purpose, GROUND ZERO offers materials with different properties and basis weight. In addition, the GROUND ZERO range offers other products, such as self-adhesive aluminum plates or sound-absorbing foam mats, which improve the result even more. The bonding of these materials drastically changes the tendency of body parts to oscillate, which significantly reduces the unwanted noise level. A complete door damping set is available with GZDM DOORKIT PRO.



Listening to music can be emotional, impressive, relaxing or enjoyable. At that, it doesn't really matter what kind of music is the personal favorite, whether it's Instrumental, Jazz, Electro, Latin, Classic, Rock or any other music direction. However, audio reproduction quality at each desired volume is elementary. Some music styles require higher levels while others prefer the soft tones. GROUND ZERO considers all the different wishes of customers during the development of new products. Along with this, the target is to create the most realistic sound, to transfer the soul of the music and the intention of the performer. Summarized to one phrase: RESPECT THE MUSIC!

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