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GROUND ZERO

GROUND ZERO RADIOACTIVE SERIES SQ Component Loudspeaker System



Product Usage Instructions

- Follow the general installation guidelines provided in the manual to ensure proper installation of the GZRC 165.2SQX-IV component loudspeaker system.
- Read and adhere to the safety instructions provided in the manual before installing or using the product to prevent any potential hazards.
- Connect the input from the head unit or amplifier to the corresponding input on the speaker system. Use appropriate wiring methods for a secure connection.

Features

- High-quality 2-way SQ component system
- Klippel® optimized midwoofer with aluminum cone
- Massive aluminum phase plug
- Conex spider/rubber surround
- Copper cap for impedance linearizing
- Resonance-free steel basket
- Gold-plated terminals
- Vented 1" SQ silk dome tweeter with mounting accessories
- 12 dB/oct. high-pass filter with level adjustment
- 12 dB/oct. in-line low-pass filter

General installation note

- Never drill a hole in the vehicle's gas tank or brake lines, wiring, or any other important vehicle parts!
- Never pass wires over sharp edges or vehicle parts to avoid any kind of damage
- Keep the wiring away from the antenna and electronic devices contributing to radio reception
- Lay the power supply wiring always separated from the speaker wiring to avoid disturbance
- Use adequately dimensioned power and speaker wires to connect the component

Safety instructions

- Safety instructions: Keep all parts of the content and the packaging away from children and pets to avoid accidents and the risk of suffocation.
- Permanently extreme levels of over 85 dB can lead to irreparable damage to the hearing. Music systems with high amplifier output power can reach levels of 130 dB or more.
- Extreme levels can also hinder the perception of important traffic noises and distract from what is happening on the road.
- Ground Zero GmbH and its sales partners expressly assume no responsibility for hearing damage, physical damage, or any damage to property or consequential damage resulting from improper or careless use or improper installation of its products. In particular, any claims are forfeited through the use under competitive conditions.

Terms of warranty

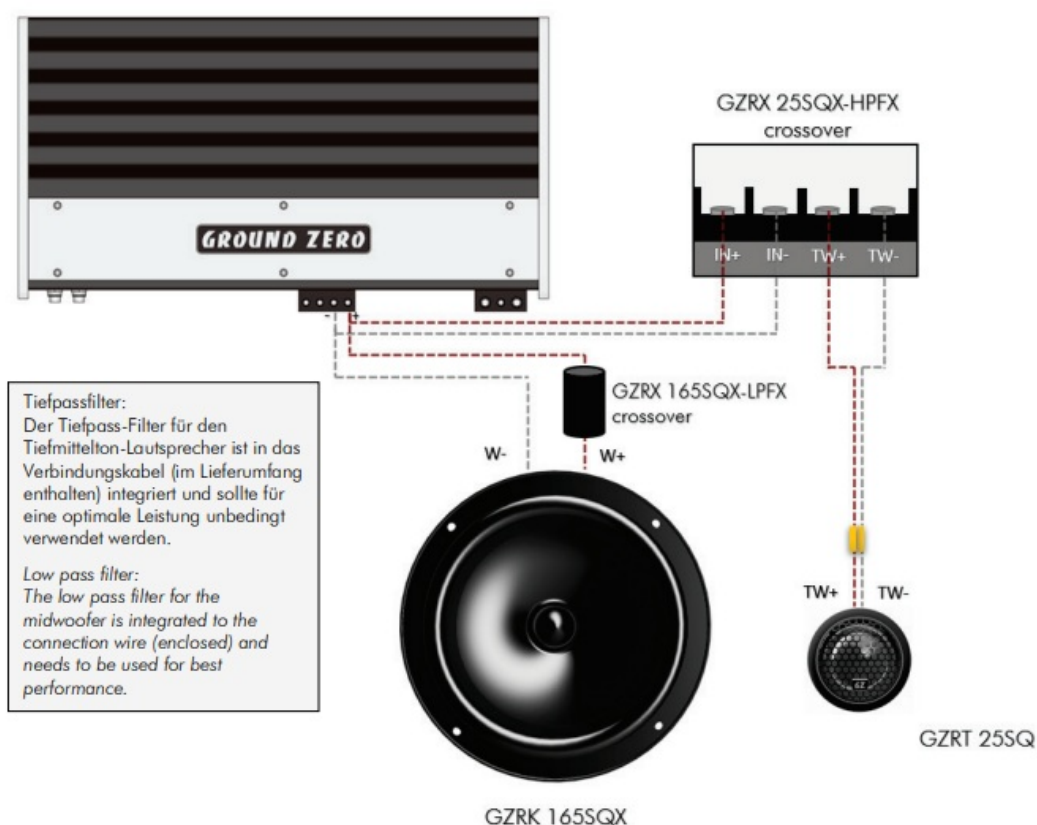
The limited warranty for this product is covered by GROUND ZERO's regional distribution partners and their terms and conditions. For further information, contact your local retailer or distributor.

Specifications

<i>model</i>	GZRC 165.2SQX-IV
<i>impedance</i>	3 Ohm/ <i>ohms</i>

<i>frequency response</i>	45 Hz – 25 kHz	
<i>cut-off frequency</i>	4600 Hz (12/12 dB / Okt./oct.) Midwoofer/Tweeter	
<i>efficiency (SPL)</i>	90 dB	
<i>power handling (RMS)</i>	120 Watt / <i>Watts</i>	
<i>power handling (max.)</i>	190 Watt / <i>Watts</i>	
<i>dimensions</i>	<i>Midwoofer</i> GZRK 165SQX	<i>Tweeter</i> GZRT 25SQ
<i>outer diameter</i>	165 mm / 6.5"	54 mm / 2.13"
<i>mounting cutout</i>	142.5 mm / 5.61"	48 mm / 1.89"
<i>mounting depth</i>	68 mm / 2.68"	18 mm / 0.71"

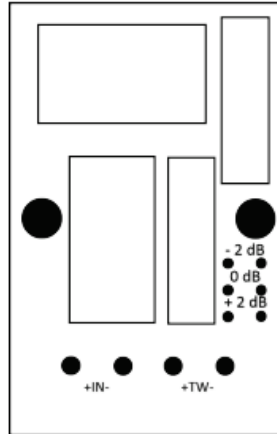
Wiring



Low-pass filter:

The low-pass filter for the midwoofer is integrated to the connection wire (enclosed) and needs to be used for best performance.

High-pass filter



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

- 0 dB – recommended setting
- – 2 dB reduced level
- +2 dB – increased level
- IN Input from head unit/amplifier
- TW Tweeter connector

Verified with KLIPPEL®



GROUND ZERO is using the worldwide accepted KLIPPEL® R&D Analyzer KA3 measurement system for speaker development during the German in-house development as well as for QC reporting for most production lines at the factory. The results of LPM and LSI measurements are the basis for evaluating and verifying further development, enabling to offer of perfectly working products in any practical application. Continuous and advanced trainings for development employees ensure the highest possible qualification. KLIPPEL® is a registered trademark of KLIPPEL GmbH

Developed with LOUDSOFT

DEVELOPED WITH

LOUDSOFT

Ground Zero uses simulation software FINECone, FINEMotor, and FINESuspension for development. These tools allow for optimal design of cone shapes, cone materials, magnet drives, surrounds and spiders through FEM calculations. They are part of a modern loudspeaker development. LOUDSOFT is a product of Loudsoft Ltd. ApS Denmark

Respect the Music

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, classical, Rock, or any other musical 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!



CONTACT

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- GROUND ZERO products are engineered in Germany
- GROUND ZERO – international sponsor of




- www.ground-zero-audio.com



FAQ

- **Q:** What is the recommended power handling for the GZRC 165.2SQX-IV speaker system?
- **A:** The recommended power handling for this speaker system is 120 Watts RMS with a maximum power handling of 190 Watts.
- **Q:** How should I wire the GZRC 165.2SQX-IV speaker system?
- **A:** Connect the input from the head unit or amplifier to the speaker system following the wiring instructions provided in the manual.
- **Q:** What are the dimensions of the GZRC 165.2SQX-IV speaker components?
- **A:** The speaker diameter is 165 mm (6.5 inches), with a mounting depth of 142.5 mm (5.61 inches) and tweeter diameter of 54 mm (2.13 inches)

Documents / Resources

	GROUND ZERO RADIOACTIVE SERIES SQ Component Loudspeaker System [pdf] Owner's Manual RADIOACTIVE SERIES SQ Component Loudspeaker System, RADIOACTIVE SERIES, SQ Component Loudspeaker System, Component Loudspeaker System, Loudspeaker System
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References

- [User Manual](#)

Ground-Zero

COMPONENT LOUDSPEAKER SYSTEM, Ground-Zero, Loudspeaker System, Radioactive Series, Radioactive Series SQ Component Loudspeaker System, SQ Component Loudspeaker System

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