



GROUND ZERO GZCM 6.5N-PROX High Power Midrange Loudspeaker Owner's Manual

[Home](#) » [Ground-Zero](#) » GROUND ZERO GZCM 6.5N-PROX High Power Midrange Loudspeaker Owner's Manual



Contents

- [1 GROUND ZERO GZCM 6.5N-PROX High Power Midrange Loudspeaker](#)
- [2 Product Information](#)
- [3 Product Usage Instructions](#)
- [4 Specifications](#)
- [5 General installation note](#)
- [6 Safety instructions](#)
- [7 Terms of warranty](#)
- [8 Product Specifications](#)
- [9 Verified with KLIPPEL](#)
- [10 Documents / Resources](#)
 - [10.1 References](#)
- [11 Related Posts](#)

GROUND ZERO®

GROUND ZERO GZCM 6.5N-PROX High Power Midrange Loudspeaker



Product Information

The Competition Pro High-Power Midrange Loudspeaker is available in two models: GZCM 6.5N-PROX and GZCM 8.0N-PROX. It belongs to the Competition Series of Ground Zero products. The speaker has a nominal diameter of 165 mm (6.5 inches) for the GZCM 6.5N-PROX model and 200 mm (8 inches) for the GZCM 8.0N-PROX model. The impedance is 4 Ohms for both models.

The frequency response ranges from 143 Hz to 90 Hz, and the power handling capacity is 200 Watts RMS (continuous) and 300 Watts max (peak) for the GZCM 6.5N-PROX model, while it is 400 Watts RMS and 500 Watts max for the GZCM 8.0N-PROX model. The sensitivity is 96 dB for the GZCM 6.5N-PROX and 98 dB for the GZCM 8.0N-PROX. The resonance frequency is 143 Hz for the GZCM 6.5N-PROX and 90 Hz for the GZCM 8.0N-PROX.

Other specifications include a voice coil with a diameter of 63 mm (2.48 inches) for the GZCM 6.5N-PROX and 82 mm (3.23 inches) for the GZCM 8.0N-PROX. The magnet type used is neodymium for both models.

Product Usage Instructions

1. General Installation Note:

- Follow the general installation guidelines provided in the user manual or instructions.

2. Safety Instructions:

- Ensure that the loudspeaker is installed securely and does not obstruct any safety features or impair visibility.
- Do not exceed the maximum power handling capacity of the loudspeaker to prevent damage or distortion.
- Always disconnect the power source before installing or removing the loudspeaker.
- Refer to the safety instructions provided in the user manual for more detailed information.

3. Terms of Warranty:

- Review the terms of warranty provided by Ground Zero GmbH for information regarding warranty coverage and conditions.

Specifications

- High-power midrange speaker
- Klippel® optimized
- High efficiency (SPL)
- Water-repellent paper cone
- High-efficient neodymium motor
- EISV-CCA wire voice coil
- Aluminum cast basket
- Wave-shaped textile surround
- Push terminals

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 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 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.

Manufacturer's declaration:

Hereby, Ground Zero GmbH declares that this product conforms to the rules of the following EU directives (including all applicable changes): 2011/65 / EU RoHS2 and 2001/95 / EC directive on general product safety. The full text of the EU Declaration of Conformity is available at www.ground-zero-audio.com. Loudspeakers contain magnetized metals and some valuable raw materials and must not be disposed of with normal household waste. Please leave defective or no longer required components at a local recycling facility at the end of their practical use.

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.

Product Specifications

Model	GZCM 6.5N-PROX	GZCM 8.0N-PROX
Nominal speaker diameter	165 mm / 6.5"	200 mm / 8"
Impedance	4 Ohm/ohms	
Frequency response	180 Hz – 12 kHz	120 Hz – 7 kHz
Power handling (RMS)	200 Watt / Watts	300 Watts
Power handling (max)	400 Watt / Watts	500 Watts
Sensitivity	96 dB	98 dB
Resonance frequency	143 Hz	90 Hz
Vas	2.8 L / 0.10 cu.ft.	10.1 L / 0.36 cu.ft.
Qms	3.96	10.21
Qes	0.40	0.22
Qts	0.36	0.21
BL	9.2 N/A	13.1 N/A
Re	3.4 Ohm/ohms	3.4 Ohm/ohms
Le	0.12 mH	0.32 mH
Mms	10.7 g	19.8 g
Cms	0.12 mm/N	0.16 mm/N
Xmax (p2p)	10 mm / 0.39"	12 mm / 0.47"
Voice coil	Ø 38 mm / 1.5"	Ø 63 mm / 2.5"
Magnet	Ø 90 mm / 3.54" Neodymium	Ø 105 mm / 4.1" Neodymium
Outer diameter	Ø 165 mm / 6.5"	Ø 210 mm / 8.27"
Mounting cutout	Ø 147 mm / 5.79"	Ø 181 mm / 7.12"
Mounting depth	63 mm / 2.48"	82 mm / 3.23"

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, 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!

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 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


Ground Zero GmbH

Erlenweg 25 – 85658 Eggenheim – Germany

Tel. +49 (0)8095 / 873 83 -0 Fax -10

www.ground-zero-audio.com.

Documents / Resources

	<p>GROUND ZERO GZCM 6.5N-PROX High Power Midrange Loudspeaker [pdf] Owner's Manual</p> <p>GZCM 6.5N-PROX High Power Midrange Loudspeaker, GZCM 6.5N-PROX, High Power Midrange Loudspeaker, Power Midrange Loudspeaker, Midrange Loudspeaker, Loudspeaker</p>
---	--

References

-  [Ground Zero Audio – Car Audio Products](#)

[Manuals+](#).