

# GROUND ZERO<sup>®</sup>

## GERMAN ENGINEERING

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# TITANIUM SERIES

## 2-Channel Class A/B Amplifier

### GZTA 2255X-B

#### Owner's manual

(AWV2.0)

#### Features

- High-power 2-channel class A/B amplifier
- 2 ohms stable in stereo mode
- 4 ohms stable in bridged mode
- Variable high pass filter
- Variable low pass filter
- Adjustable bass boost control
- Active BIAS control (automatic)
- Stereo RCA input
- Adjustable input sensitivity
- Turn-on delay
- Thermal protection circuit
- Short circuit protection
- Overload protection circuit
- Owner's manual enclosed
- Wired bass level remote control (GZTA Bassremote) included

# GROUND ZERO GZTA 2255X-B

## General mounting instructions

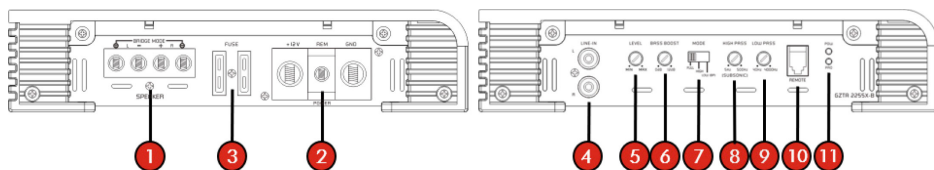
- As a precaution, it is recommended to disconnect the vehicle's battery before mounting the amplifier.  
Note: For new vehicles, disconnecting the battery might cause various errors in your vehicle's electric system that can be cleared only by authorized service partners of your vehicle's manufacturer! Please ask your service partner first before disconnecting the battery!
- The power supply wire (+12 V) has to be protected within max. 20 cm / 8" by a main fuse holder with a fuse value matching the recommendation for your amplifier  
Note: If there is more than one amplifier connected using this power wire, the main fuse value must be equal to the sum of the recommended fuses of all connected devices. However, make sure the diameter of your power wire will be enough for the required current!
- If necessary, replace a defective fuse by a fuse with identical quality and value
- Never drill holes to the vehicle's gas tank, 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
- Lay the power supply wiring always separated from speaker wiring to avoid disturbance
- The amplifier contains a temperature protection circuit that turns the device off in case of overheating. After a certain cooling time, it will turn on automatically. To avoid heat build-up, enough air supply for cooling must be provided. Never cover the surface of the amplifier's heatsink entirely
- The amplifier should **NEVER** be mounted onto a vibrating part or surface such as a subwoofer enclosure. This might lead to malfunction due to loosened electrical parts inside the amplifier.
- Some amplifiers offer a high-level input option, however if a pre-amplified output (RCA) is available (at the head unit), it is strongly recommended to make use of them.

## Specifications

Model	GZTA 2255X-B
Amplifier type	2-channel class A/B
RMS Power @ 4 Ω CEA Standard CEA-2006-A (@ 1 kHz)	2x 150 W (1% THD+N)
RMS Power @ 2 Ω CEA Standard CEA-2006-A (@ 1 kHz)	2x 250 W (1% THD+N)
RMS Power @ 4 Ω in bridged mode CEA Standard CEA-2006-A (@ 1 kHz)	500 W (1% THD+N) 600 W (10% THD+N)
Low pass filter	40 Hz – 4000 Hz (12 dB/oct)
High pass filter	5 Hz – 500 Hz (12 dB/oct)
Frequency response	5 Hz – 38 kHz (± 1 dB)
Total harmonic distortion (THD+N)	< 0.02%
Damping factor	> 100
Input sensitivity	500 mV – 9 V (± 5%)
Rec. speaker wire	≥ 2.5 mm <sup>2</sup> / 14 AWG
Rec. power wire	≥ 20 mm <sup>2</sup> / 4 AWG
Fuse(s)	2x 30A
Dimensions (w x h x l)	230 x 53 x 395 mm
Dimensions (w x h x l)	9.06 x 2.09 x 15.55"

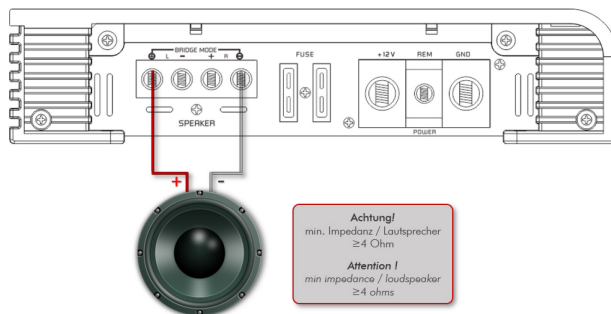
# GROUND ZERO GZTA 2255X-B

## Controls & Features



1	<b>Speaker terminal</b>	To connect the loudspeaker wires Min. load in stereo mode 2 ohms / channel Min. load in bridged mode 4 ohms
2	<b>Power terminal</b>	+12V To be connected to the positive terminal of the battery REM To be connected to the remote output of the head unit* GND To be connected to the vehicle's ground
3	<b>Fuse(s)</b>	Defective fuse(s) need to be replaced by same value fuses
4	<b>Line input (RCA)</b>	Input sockets to connect RCA wires
5	<b>Sensitivity control</b>	To adjust the input sensitivity
6	<b>Bass Boost control</b>	To adjust the bass boost level ( 0 to +12 dB @ 45 Hz)
7	<b>Mode switch</b>	To setup the crossover for the required use of the amplifier FULL Full frequency range (no filter) HIGH Low frequencies are filtered LOW(BP)* High frequencies are filtered *in LOW position both, the high and low pass filters are combined to a band-pass filter (5 Hz to 4000 Hz)
8	<b>High pass filter</b>	To adjust the required crossover point. Frequencies below the selected crossover point will be filtered (5 Hz to 500 Hz)
9	<b>Low pass filter</b>	To adjust the required crossover point. Frequencies above the selected crossover point will be filtered (40 Hz to 4000 Hz)
10	<b>Remote wire socket</b>	To connect the bass level remote control
11	<b>Status indication</b>	POWER green ok (correct operation) PROTECT red error (protection mode)

## Bridged Mode



# GROUND ZERO GZTA 2255X-B

## 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.

## Safety instruction / Manufacturer's declaration

**Safety Instructions:** Do not expose the device to extreme temperatures, fire, high humidity or direct contact with liquids. Do not use the device if it has been damaged or exposed to liquids. Keep the device, packaging and accessories away from children and pets to prevent accidents and suffocation.

**Manufacturer's declaration:** Herewith Ground Zero GmbH declares that this product complies with the directive 2014/30/EU (EMC) and further declares that this product is in conformity with the rules of the EU directives (including all applicable amendments) 2011/65/EU RoHS2 and 2001/95/EC General Product Safety directive. The full text of the Declaration of Conformity (EU) is available at the following internet address: [www.ground-zero-audio.com](http://www.ground-zero-audio.com). Electronic products contain valuable raw materials and must not be disposed of with normal household waste. At the end of its service life, please bring the device to your local recycling facility.

## 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!



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



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