

GROUND ZERO®

GERMAN ENGINEERING

IRIDIUM-SERIES AMPLIFIER

OWNER'S MANUAL

GZIA 1.1000DX-II

Features

- Class D Mono Amplifier
- 1 Ohm stable
- Power & Protection indicator
- Bass Boost 0 – 12 dB (45z)
- Variable lowpass
- Phaseshift switch 0 / 180°
- Auto-On @ High Level Input
- Adjustable input sensitivity
- Soft delayed remote turn- on
- Bass remote
- Thermal / Short / Overload protection

Tools and materials you need

- Screwdriver
- Electric drill, 3 mm / 0.12" carbide drill bit
- Mounting screws
- Power wire min. 20 mm²
- Ground wire min. 20 mm²
- Speaker wire min. 2 x 2,5 mm²

Please note!

- As a precaution it is advisable to disconnect the vehicle's battery before making connection to the +12 Volts supply wiring (see owner's manual of your car for further information).
- Please use great caution drilling your trunk. Your gas tank and brake lines can be damaged by puncturing with your drill bit – this could cause damage or failure of your car's operating systems.
- Never pass wires over sharp angles. It is recommended to buffer the power supply of the amplifier with a capacitor min. 1 Farad to guarantee a stable operation voltage.

WARNING I

High powered audio systems in a vehicle are capable of generating "Live Concert" levels of sound pressure. Continued exposure to excessively high volume sound levels may cause hearing loss or damage. Also, operation of a motor vehicle while listening to audio equipment at high volume levels may impair your ability to hear external sounds such as; horns, warning signals, or emergency vehicles, thus constituting to a potential traffic hazard. In the interest of safety, Consumer Electronics recommends listening at lower volume levels while driving.

Planning your system

Before beginning the installation, consider the following:

- a. If you plan to expand your system by adding other components sometime in the future, ensure adequate space is left, and cooling requirements are met.
- b. If your radio / source is equipped with pre-amp RCA outputs, we recommend to use them.

Mounting your amplifier

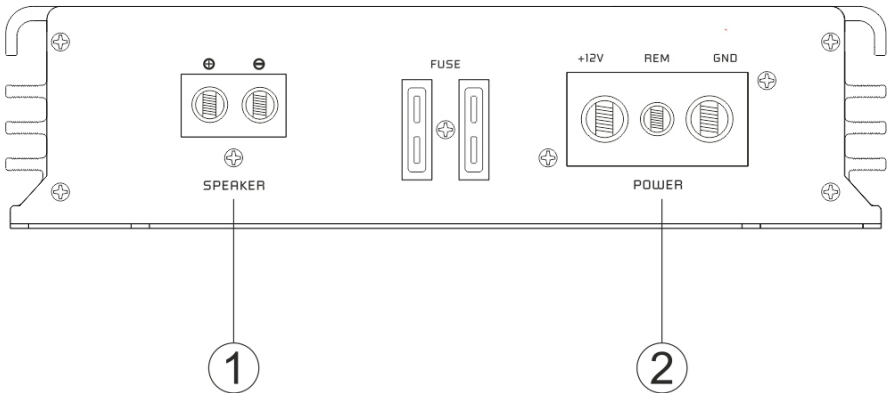
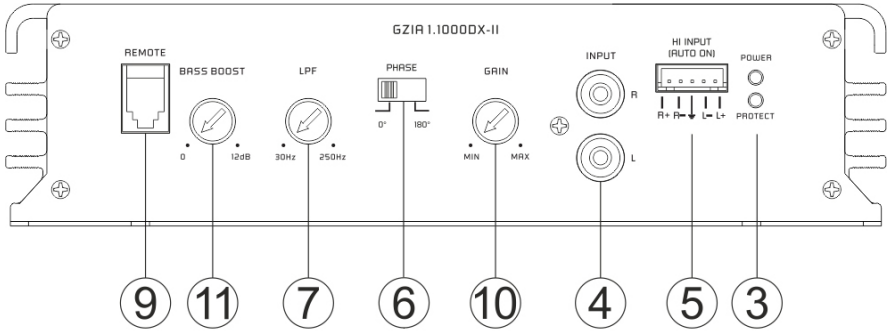
- a. Select a suitable location that is convenient for mounting, is accessible for wiring and has ample room for air circulation and cooling.
- b. Use the amplifier as a template to mark the mounting holes, remove the amplifier.

Warning

Choose a mounting position where all eclectic wires are protected from being damaged by sharp edges, heat or other conditions. +12Volt DC electrical connections must be fused on the battery side. Make sure your radio and all other devices will be turned off while connection your system.

If you need to replace the power fuse, replace it only with a fuse identical to that supplied with the system. Using a fuse of different type or rating may result in damage to this system which isn't covered by the warranty.

Controls and functions



Controls and functions

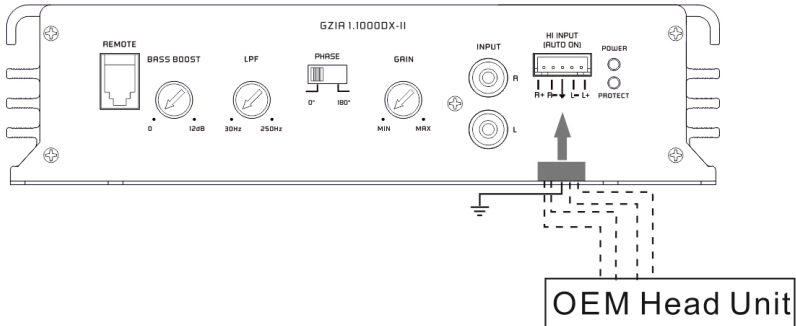
1	Speaker terminals	For connection of the speakers
2	Power terminals	GND -> Ground connection REM -> Remote antenna terminal [Not for use with High level inputs (5)] BATT -> +12 Volt
3	Status indication	GREEN – OK RED – Error
4	Cinch inputs	Terminal for connection of the RCA wires. To avoid failure, please use high quality RCA wires. IMPORTANT! Do not use the High level inputs and the Cinch inputs parallel, this can damage the amplifier. Use either the Cinch OR the High Level inputs.
5	High Level inputs	These inputs must be used if your head unit is not equipped with a Low Level Cinch output. Connect this input to the speaker outputs of your head unit. The amplifier automatically turns on as soon as a signal is received (Auto On). The remote connection of the Power- Terminal (2) won't be used. IMPORTANT! Do not use the High level inputs and the Cinch inputs parallel, this can damage the amplifier. Use either the Cinch OR the High Level inputs.
6	Phase shift controller	This controller allows you to fit the subwoofer channel in-phase to the front system.
7	Low Pass controller	Only frequencies from 30Hz to 250Hz will be reproduced (depending on the LPF filter controller position). Set the filter switch to „LOW“ position. Adjust the variable LPF frequency to the desired frequency using the controller.
9	Remote control input	For connection of bass remote control
10	Input level controller	With this controller you can adjust the input sensitivity
11	Bass Boost controller	For adjusting a Bass Boost at 45 Hz from 0 – 12 dB

High Level Input

Depending on the configuration of your car and sound system, error noises may appear when using the high level inputs. Please use the additional middle ground-connection of this input to reduce these noises.

The Auto-On function allows you to use the amplifier without an additional remote connection. This makes it possible to operate it with an OEM headunit and OEM active systems, which are not equipped with cinch outputs or switched remote-outputs.

High Level Input

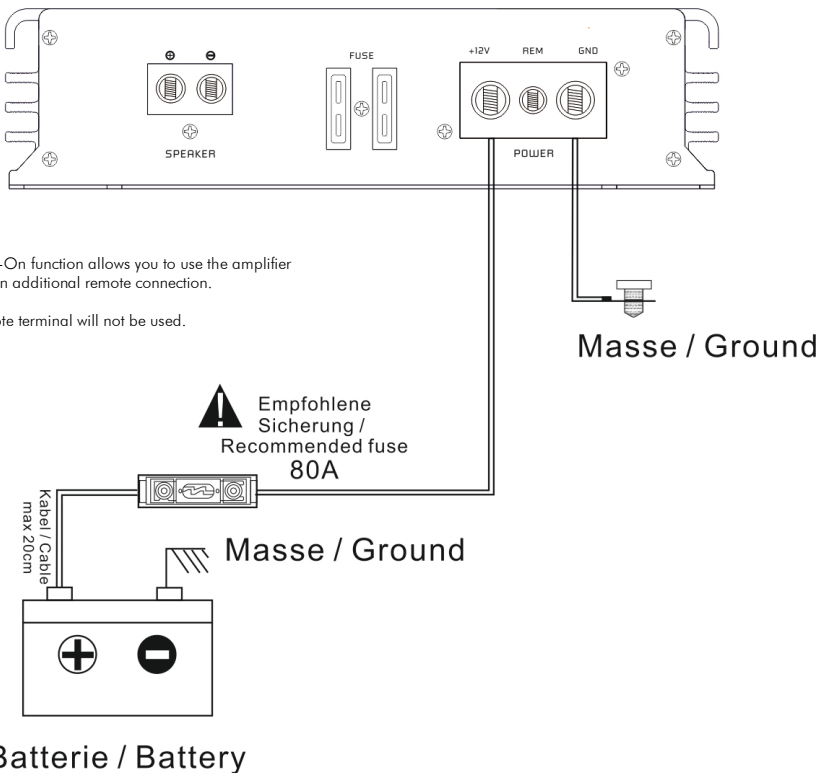


Depending on the configuration of your car and sound system, error noises may appear when using the high level inputs.

Please use the additional middle ground-connection of this input to reduce these noises.

Connect this wire to the GND powerterminal.

A connection to the GND connection of the signal source can also be useful.



Turning on the amplifier

The amplifier automatically turns on a few seconds after you turn on your radio.

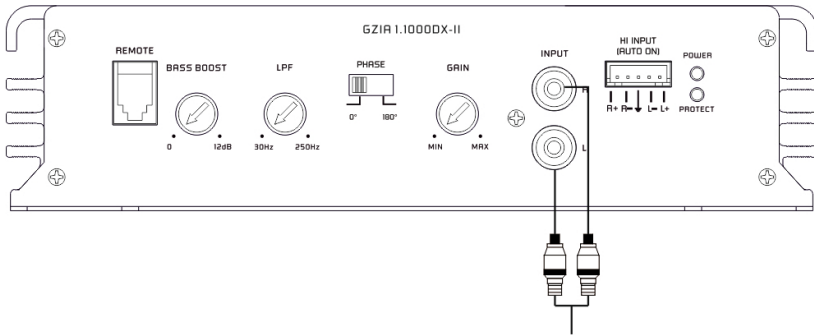
Note: Your amplifier temporarily shuts down if it gets too hot, then restarts automatically once it cools

(At about 80° / 176° F).

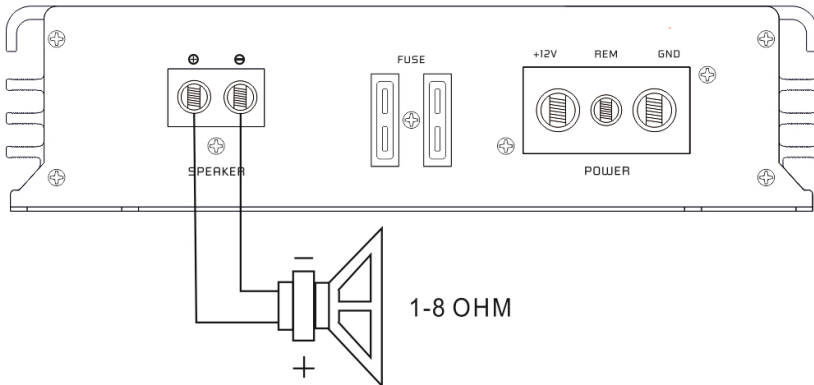
Adjusting the audio level

1. LEVEL (Min/Max): Turn fully counter- clockwise to MIN position
2. Turn the auto sound system's volume control to about two-third of its full range.
3. Adjust LEVEL to a comfortable listening level.

Stereo Wiring



Zum Line out des Autoradios /
To car stereo line out /
Sortie stéréo de la voiture /
Naar line out radio



**Lautsprecher Impedanz /
Speaker impedance / Impédance haut parleur
1 ~ 8 Ohm**

Specifications

Model	GZIA 1.1000DX-II
Type	1 Channel Class D
RMS Power @ 4 Ω CEA Standard CEA-2006-A	1 x 350 W (1% THD+N)
RMS Power @ 2 Ω CEA Standard CEA-2006-A	1 x 650 W (1% THD+N)
RMS Power @ 1 Ω CEA Standard CEA-2006-A	1 x 1000 W (1% THD+N)
MAX Power CEA Standard CEA-2006-A	1 x 1200 W (10% THD+N)
Damping factor	> 100
Lowpass	30 Hz – 250 Hz
Bass Boost	0 ~ +12 dB (45 Hz)
Frequency response	5 Hz – 250 Hz (\pm 1 dB)
Input sensitivity	200 mV – 6 V (\pm 5%)
Bass remote control	✓
Auto-On @ High Input	✓
Fuse	2 x 40A
Dimensions W x H x L mm	192 x 49 x 302
Dimensions W x H x L inch	7.56" x 1.93" x 11.89"

Trouble shooting guide

Symptoms	Check Points	Cure
No sound	Is the POWER LED illuminated?	Check fuses in amplifier. Be sure remote lead is connected. Check tuner/deck volume level.
	Is the diagnostic LED illuminated?	Check for speaker short or amplifier overheating
Amp not switching on	No power to the amplifier	Check power wire or connections
	No power to remote wire with receiver on	Check connections to radio
No sound in one channel	Check speaker leads	Inspect for short circuit or an open connection
	Check audio leads	Reverse left and right RCA inputs to determine if it is occurring before the amp
Amp turning off at medium / high volume	Check speaker load impedance	Be sure proper speaker load impedance recommendations are observed (If you use an ohm meter to check speaker resistance, please remember that DC resistance and AC impedance may not be the same.)
Protection LED is on	Temperature shut down	Turn radio volume down
	Speaker wires short	Separate speaker wires and insulate

Die Gewährleistung entspricht der gesetzlichen Regelung. Eine Rücksendung kann nur nach vorheriger Absprache und in der Originalverpackung erfolgen. Bitte unbedingt einen maschinell erstellten Kaufbeleg und eine Fehlerbeschreibung beilegen. Von der Gewährleistung ausgeschlossen sind Defekte, die durch Überlastung, unsachgemäße Behandlung oder bei Teilnahme an Wettbewerben entstanden sind. Wir behalten uns das Recht vor, zukünftig nötige Änderungen oder Verbesserungen an dem Produkt vorzunehmen ohne den Kunden darüber zu informieren.

Limited warranty - defective products must be returned in original packaging - please add a copy of the original purchasing invoice showing the purchasing date and a detailed description of the failure. Failure caused by overload, misuse or by using the product for competition purpose are not covered by the warranty. We reserve the right to make needed change or improvement to the product without informing customer about this in advance.

De Garantie bepalingen van alle door ground zero geleverde producten is volgens wettelijke bepalingen geregeld. Een retourzending kan alleen na duidelijke afspraak en in de originele verpakking plaatsvinden. SVP een aankoopbon en een duidelijke storingsomschrijving bijvoegen. Van garantie uitgesloten zijn defecten door overbelasting, onkundig gebruik, of door deelname aan wedstrijden (SPL) ontstaan zijn. Wij behouden ons het recht om de nodige veranderingen of verbeteringen aan het product door te voeren zonder de klant hierover te informeren.

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