

**BLAUPUNKT**



ACTIVE SUBWOOFER  
**GTr 8100 A**



*Enjoy it.*

**Operating and Installation Instructions**

# CAUTIONS

Proper system planning is vital in order to maximize the device's performance and road safety. Plan your installation carefully to avoid compromising performance reliability of the system. Consult an authorized Blaupunkt dealer for installation or preparation. Read the manual carefully before operating the device for the first time.

## Safety Notes

Ensure to follow below safety notes during installation and wiring connection: -

- Disconnect the negative terminal of the battery. Refer to the safety notes of the vehicle manufacturer.
- Ensure positions of the holes are nowhere near the vehicle component to avoid any damage during drilling.
- Ensure cross section of the cable is no less than 2.5mm<sup>2</sup> if the positive and negative cables are too long.
- Incorrect installation may result in malfunction of the device or the car sound system.

## Installation and Connection Instructions

- Select a dry and well-ventilated location to install the device.
- The device must not be installed in overly exposed location such as on the rear shelf, rear seat etc.
- The installation location must be suitable for screw holes and have stable ground support.

## Disclaimer

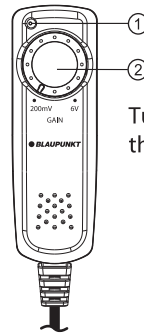
In no event shall Blaupunkt be liable for any direct, indirect, punitive, incidental, special consequential damages to property or life and whatsoever arising out of or connected with the use or misuse of our products.

USA & CANADA: This product is not intended for sale in the United States and Canada. If purchased in the U.S. or Canada, this product is purchased on as-is basis. No warranty, whether expressed or implied is provided in the U.S. or Canada.

## Voltage Supply

- Use the supplied power extension cable to connect to the positive battery terminal.
- Firmly and carefully connect the ground lead to a bare metal point on the vehicle chassis.
- The control of the device should be a two-channel control, either via the preamplifier output of the car sound system.
- A control solely via the right or left channel is also possible since the low-frequency portion of the music is generally identical on both channels.

## Remote Control



1. Power Indicator
2. Gain adjustment

Turn the gain knob to adjust the volume to the desired level.

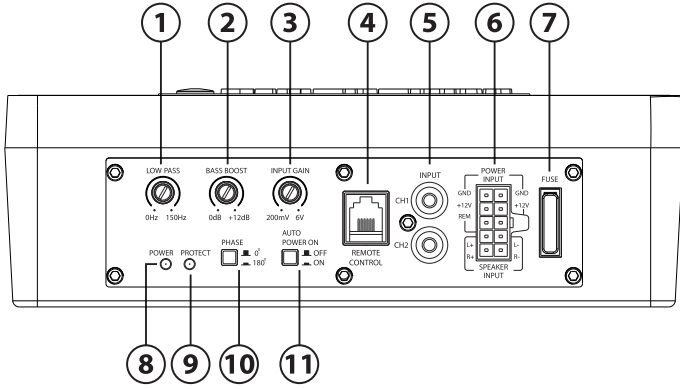
## Disposal Notes



Do not dispose of your old unit in the household trash!  
Use the return and collection systems available to dispose of the old device.

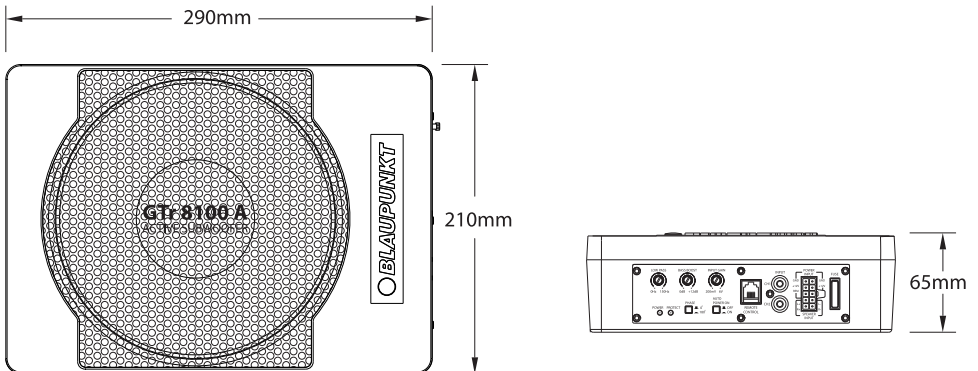
This manual may be updated from time to time without any notice. Visit [www.blaupunkt.com](http://www.blaupunkt.com) for more info.

# FUNCTIONS CONTROLLING DIAGRAM



1. Low Pass (0Hz ~ 150Hz)
2. Bass Boost (0 ~ +12dB)
3. Gain Control (200mV ~ 6V)
4. Remote Control Input
5. RCA Input (CH1/ CH2)
6. Power/ Speaker Input
7. Fuse (15A)
8. Power LED Light
9. Protection LED Light
10. Phase (0°~ 180°)
11. Auto Power On (On/Off)

## SPECIFICATION



# SPECIFICATION

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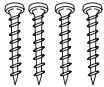
## Subwoofer

- Speaker Size : 8.0"
- Cone Composition : Aluminium
- Magnet Type : Ferrite
- Wired Remoted : Included
- Enclosure Housing Material : Aluminium Die-cast Sealed
- Enclosure Dimension (LxWxH) : 290 x 210 x 65mm
- Enclosure Net Weight : 3.6kg

## Amplifier

- Amplifier Technology : AB
- Max. Output Power : 250W
- Normal Output Power (RMS) : 100W
- Sensitivity (In Car/1W) : 80dB
- Signal / Noise Ratio (dB) : 95dB
- Impedance : 4 ohms
- Frequency Response : 35Hz – 150Hz
- Low Pass Filter (LPF) : 50Hz – 150Hz
- Voltage : 14.4 (10V – 16V)
- Phase Switch : 0 deg / 180 deg
- Automatic On/Off (Hi & Lo) : High Level DC Only
- Audio in Sensitivity : Speaker Input (1.5V)/RCA Input (150mV)

## Accessories



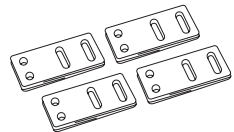
4x Parker-Type Screws  
(4x25mm)



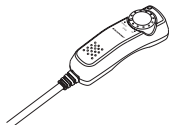
2x Parker-Type Screws  
(3x14mm)



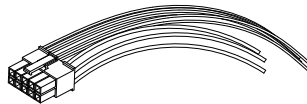
8x M-Type Screws  
(4x6mm)



4 x Mounting Bracket  
(45mm x 20mm)



1x 4.5m Remote Controller

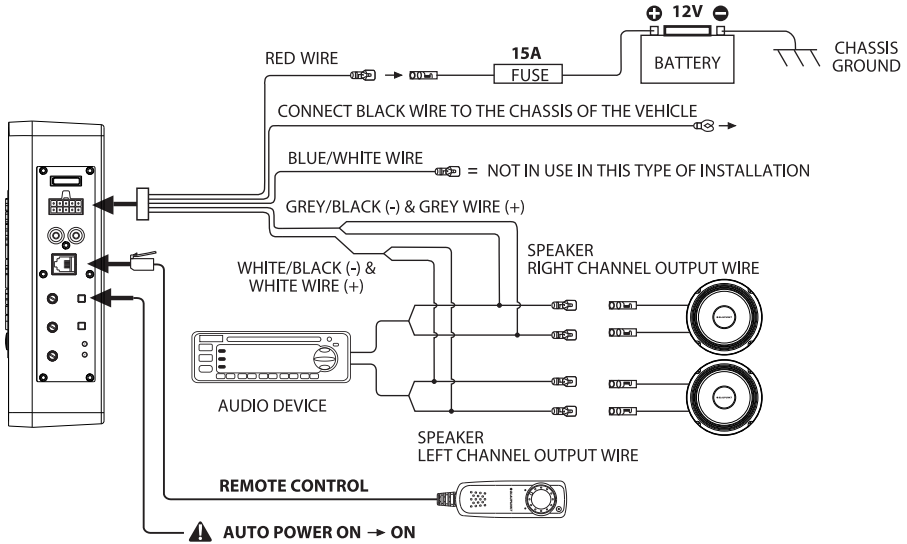


1x Power Cable  
(0.4m DC Cord & High Level Input Speaker)

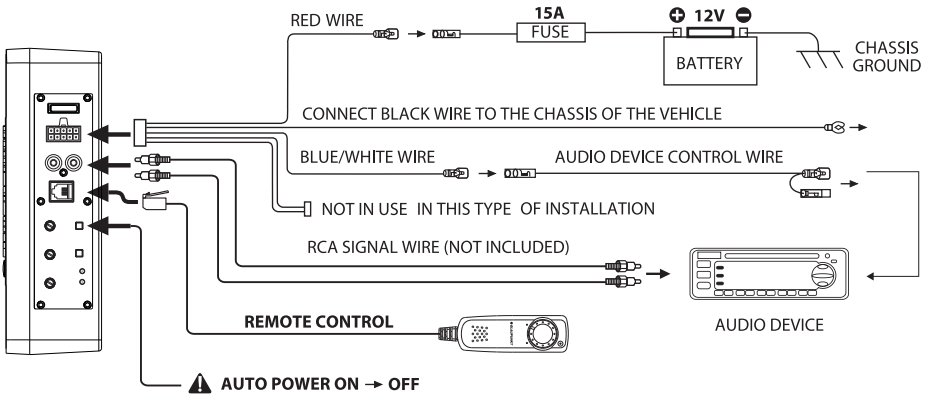
# WIRING DIAGRAM

Select either Diagram 1 or Diagram 2 for installation. Avoid audio interference by using one audio inputs only.

## Diagram 1 (High Level Input - Speaker Input)



## Diagram 2 (Low Level Input - RCA Input)



# TROUBLESHOOTING

If any of the following problem occur, please resort to Troubleshooting for the possible solutions. Consult Blaupunkt authorized dealer if problem persist.

<b>Problem</b>	<b>Solution</b>
Amplifier power up failure	Examine if the ground connection is intact.
	Examine if remote input has at least 5V DC.
	Examine if battery power is connected correctly to the + terminal.
	Ensure supplied voltage is minimum 12V.
	Examine if fuse is broken and replace if necessary.
	Restart the device if protection LED light is on.
Protection LED lights on when turn on	Examine if speaker wire had short-circuit.
	Turn volume down from head unit to prevent overdriving the device.
	Device might need service or repair, if protection LED light is still on after resetting the device.
No sound output	Examine fuses and replace if necessary.
	Examine if ground connection is intact.
	Examine if remote input has at least 5V DC.
	Examine if RCA audio cables are connected to the right inputs.
	Examine if speaker wiring is intact.
Low sound output	Reset Level Control
	Examine the Crossover Control setting.
Buzzing noise	Observe if the device is still producing noise after turning on and off the amplifier. If yes, examine if the cables are correctly connected and if the cables and radio are in good condition. Repair or replace if the cables or the radio are not in good condition.
Squealing noise interference	Ensure RCA connections are properly connected.
Distorted sound output	Ensure input level of the device matches the signal level of the head unit.
	Always set the input level to the lowest.
	Examine if crossover frequency is set correctly.
	Examine if speaker wire had short-circuit.
Amplifier temperature increased	Examine if the minimum speaker impedance for the amp models is correct.
	Ensure good air ventilation around the device. Add external cooling fan if necessary.
Engine noise (static sound) interference	Usually caused by poor RCA cable quality, which release noise. Use only the best quality cables, and route them away from power cables.
	Examine if RCA cable are nowhere near or attached to the vehicle chassis.
Engine noise (alternator whine) interference	Examine if RCA cable are nowhere near or attached to the vehicle chassis.
	Examine if head unit is properly connected to the wires.



