



ACTIVE SUBWOOFER

GTr 8120 A



Enjoy it.

Operating and Installation Instructions

INTRODUCTION

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 repairation. 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 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 2.5mm² 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 on the rear shelf, rear seats or exposed locations.
- The installation location must be suitable for screw holes and have stable ground support.

Integrated Fuse

- The integrated fuse in the device protects the output voltage and the entire electrical system in case of malfunction. Do not replace damaged fuse with higher current.

Switching On/Off

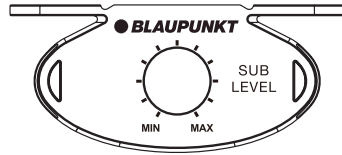
- This device will automatically turn on if audio signal is detected. The device will also automatically turn off if audio signal is received.

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



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

Disclaimer

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

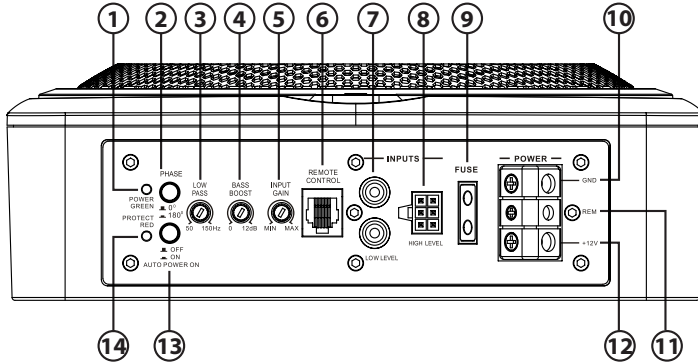
Recycling and Disposal



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

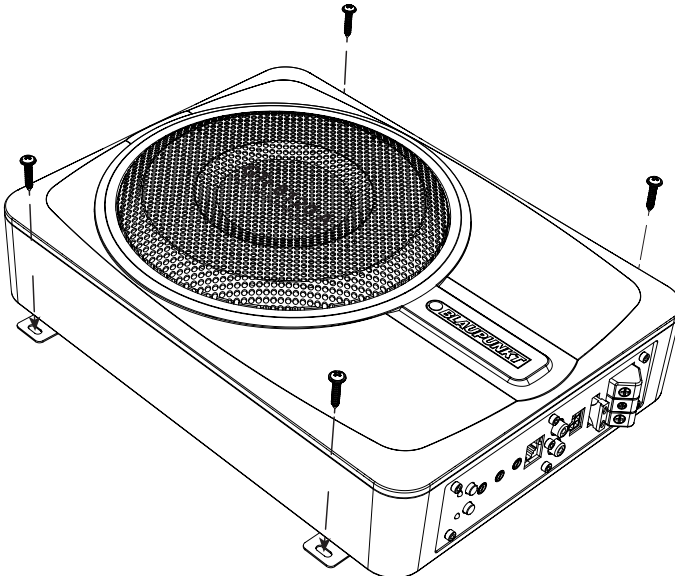
This manual may be updated from time to time without any notice.

FUNCTIONS CONTROLLING DIAGRAM

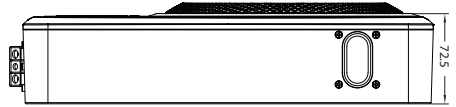
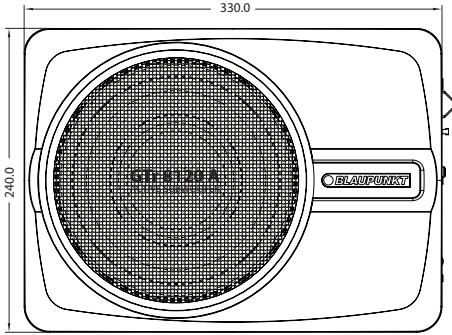


- | | |
|--|---|
| <ul style="list-style-type: none"> 1. Power Light 2. Phase (0°~ 180°) 3. Low Pass (50Hz~ 150Hz) 4. Bass Boost (0 ~ +12dB) 5. Input Gain (Min ~ Max) 6. Remote Control Input 7. Low Level Input 8. High Level Input | <ul style="list-style-type: none"> 9. Fuse 10. Ground (Chasis) 11. Remote 12. +12V Battery 13. Auto Power On 14. Protection LED Light |
|--|---|

INSTALLATION



SPECIFICATION



Subwoofer

- Max. Output Power : 300W
- Speaker Size : 8.0"
- Cone Composition : Aluminium
- Magnet Type : Ferrite
- Wired Remoted : Included
- Enclosure Housing Material : Aluminium Die-cast Sealed
- Enclosure Dimension (LxWxH) : 330 x 240 x 73mm
- Enclosure Net Weight : 4.09kg

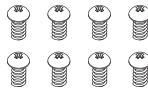
Amplifier

- Amplifier Technology : Class AB
- Normal Output Power (RMS) : 120W
- Max. Output Power : 300W
- Sensitivity (In Car/1W) : 92dB
- Signal / Noise Ratio (dB) : 91dB
- Impedance : 2 ohms
- Frequency Response : 20Hz – 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 Only
- Audio in Sensitivity : Speaker Input (1.5V)/ RCA Input (150mV)

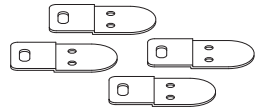
Accessories



4x Parker-Type
Screws (4x20mm)



8x M-Type Screws
(3x6mm)



4x Mounting Bracket
(46x22mm)



1x Wired Remote



1x Wiring Harness
(0.4m DC Cord, High Level Input
Speaker, Low Level Input Speaker & Input Plug)

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)

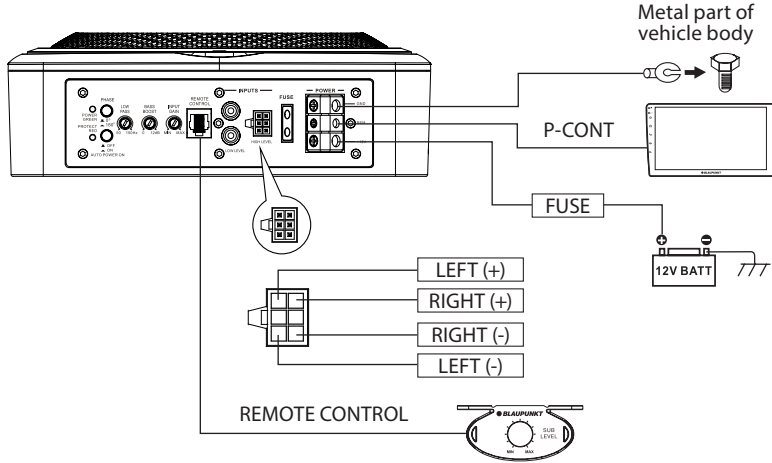
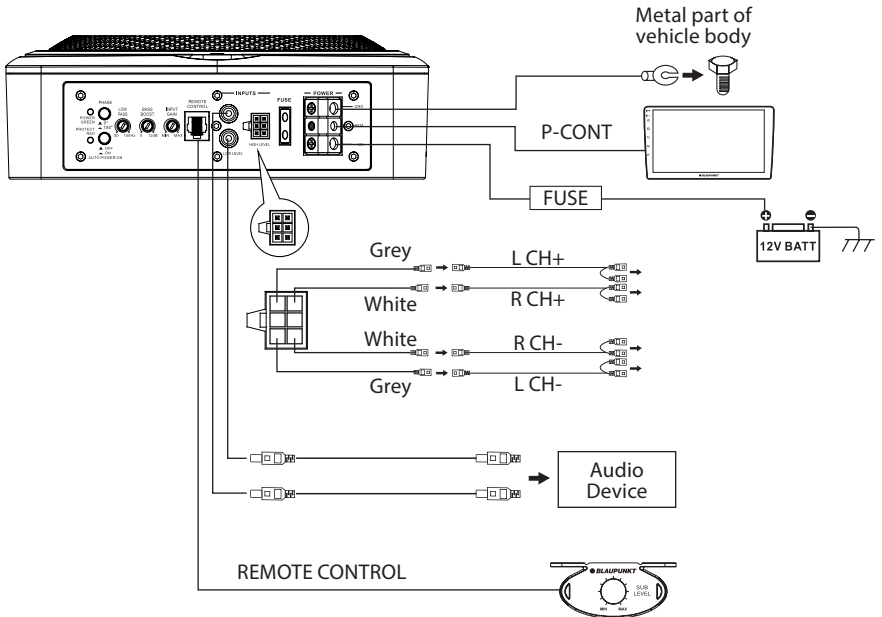


Diagram 2 (Low Level Input)



TROUBLESHOOTING

Examine if your wiring is similar to **Diagram 1** or **Diagram 2** in case of device operation or performance failure. The following table indicate other possible problems and solutions. Refer to an authorized Blaupunkt dealer if problem persist.

Problem	Solution
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.
No sound output	Examine fuses and replace if necessary.
	Examine 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 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.
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.

