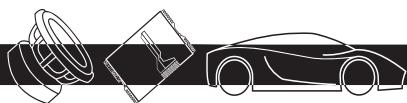


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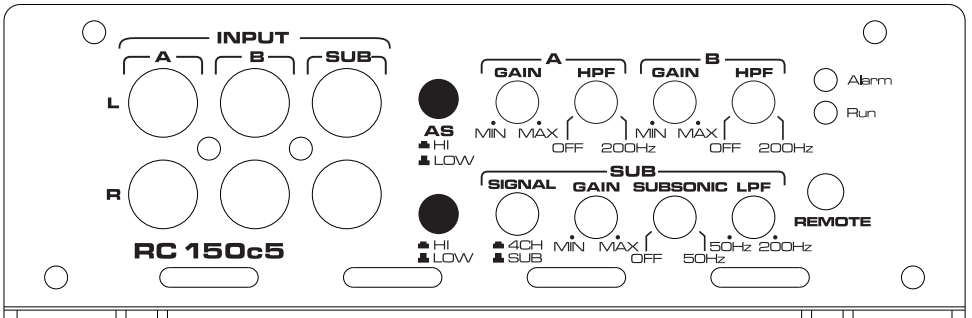
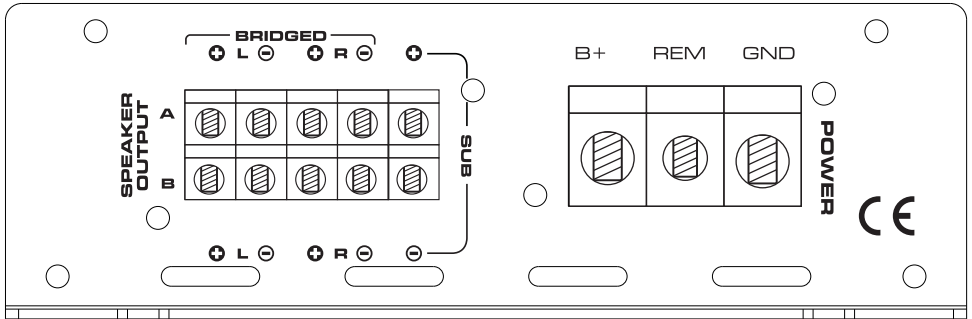
User Guide for amplifier RC 150c5



FEATURE

RC 150c5

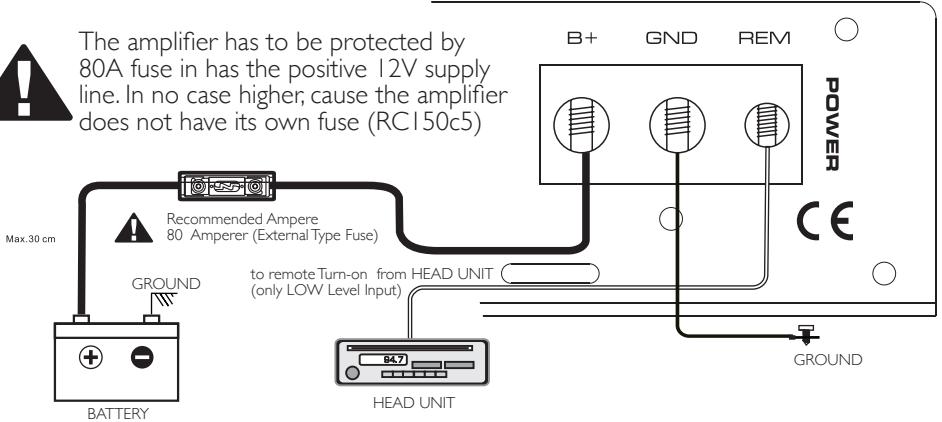
- High power amplifier CLASS-D + CLASS-AB
- MOSFET Power Supply
- Stable at 2 ohm
- Subsonic filter (HPF) from 10 to 50Hz
- Variable switchable Low Pass Filter from 50 to 200 Hz (CH SUB)
- High Level Input with autosense (autosense works only on Input A)
- Low Level Input sensitivity: variable minimum 200mV to maximum 5V
- Protection for overheating, overloading, short circuit and speaker DC protection
- RCA line input
- Wired Remote-Controller **RC-RTC** (optional)
- Operating voltage : DC10V-16V



POWER CONNECTION



The amplifier has to be protected by 80A fuse in has the positive 12V supply line. In no case higher; cause the amplifier does not have its own fuse (RC150c5)



1. Battery disconnection

First, disconnect the power supply of the vehicle by removing the ground of battery.

2. Ground connection

Connect the GND (ground) connection of the amplifier with the car chassis. Keep this cable as short as possible and use a suitable cross section (AWG size 6). Make sure, that the connection with the vehicle chassis is free of paint, dirt and dust.

3. +12V Power connection

Connect the +12V contact of the amplifier with the supply cable via a fuse directly to the vehicle battery. Keep in mind, that the length of the cable from fuseholder to vehicle battery has to be maximum 30cm. For the amplifier to function at its best, use a high quality fuse holder and suitable cable preferably AWG 6-4 cable. This fuse protects the amplifier and the vehicle against the possibility of a short circuit in the power cable.

4. Remote connection

Connect the REM-terminal of the amplifier to the remote-output (automatic 12 antenna-output) of the head unit. Use a 0,5 - 1,5 mm power cable.



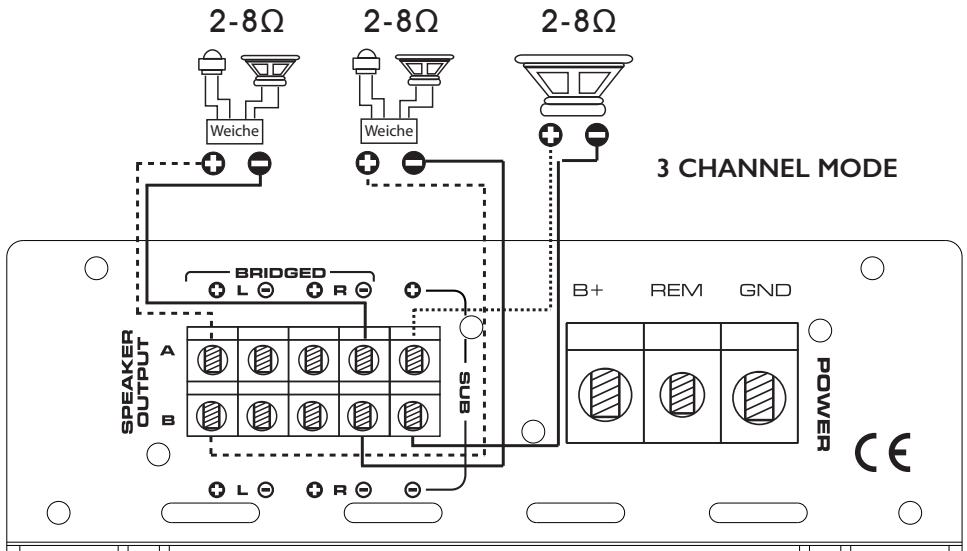
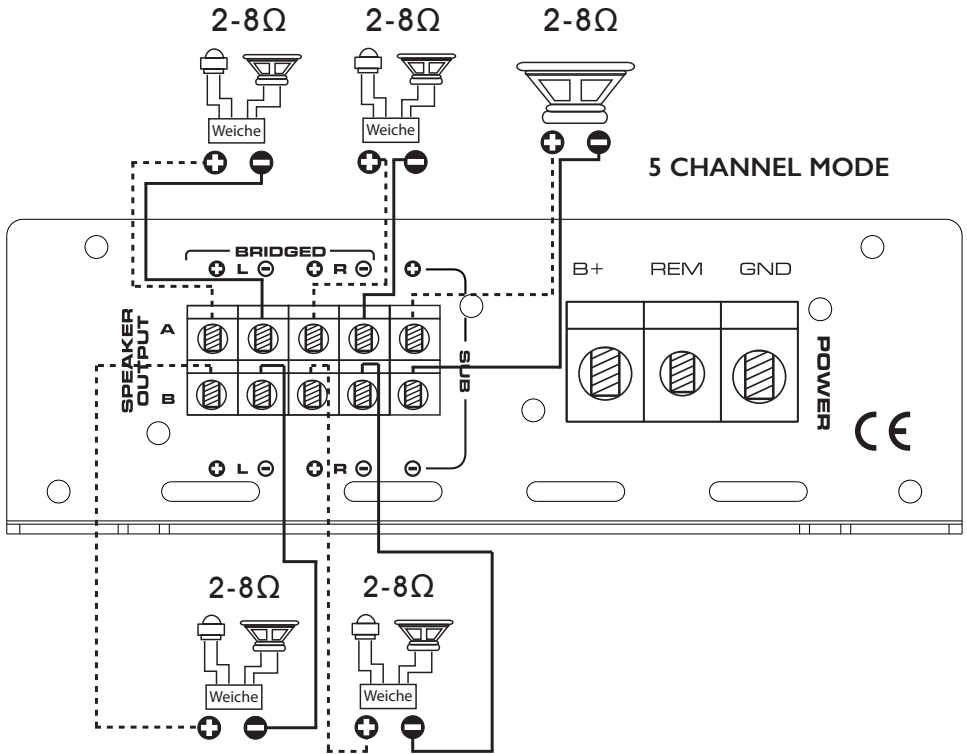
Caution



Please take care following precautions when installing you amplifier:

- Take care when making the connenctions. Make sure that no electrical, cable gas tank, hydraulik brakes or other components ger damaged.
- Allow enough cooling and air circulation and anvoid installing the unit in small closed boxes or close to parts that heats up easily.
- Keep the amplifier away from liquid, moisture, heat and foreign materials.
- This amplifier can only be used in vehicles with 12V DC power supply.
- Never install the power supply cable with other original vehicle wires (gas cables), fan motors, control modules etc.
- Install the signal cable (cinch cable) as well as speaker cable far away from the power cables to avoid interference with music signals.
- To avoid dangers of cables binding, squeeng or breaking, use the cables supplied with your amplifier.

SPEAKER CONNECTION

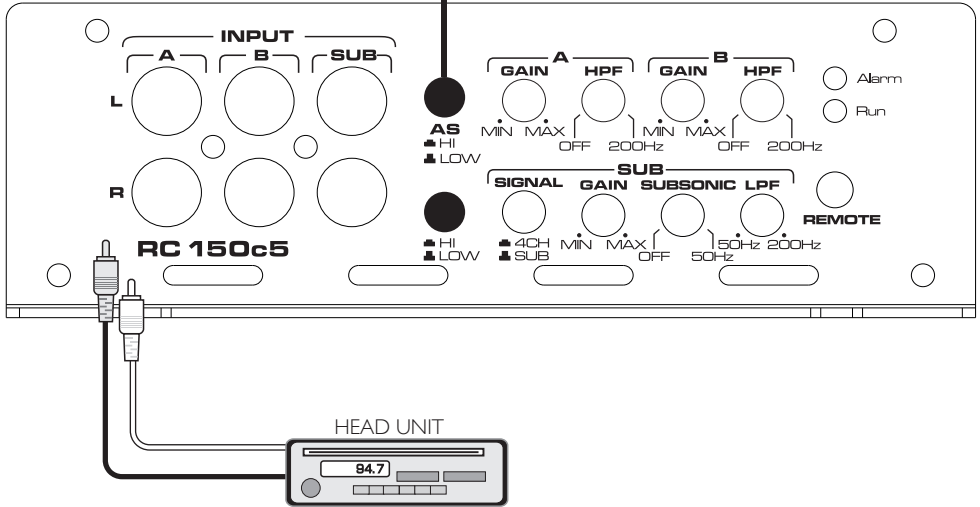


RCA CONNECTION



High Level input with auto sense
(auto sense works only on input A)

LOW Level Input. 12V remote signal required



SPECIFICATION

RC150c5

Rated power output

RMS power, 4 ohm stereo	4x 90W + 300W
RMS power, 2 ohm stereo	4x120W + 560W
RMS power, 4 ohm bridged	2x200W + 300W
Signal to noise ratio	>89dB
High Pass crossover	20Hz ~ 200Hz
Low Pass crossover	50Hz ~ 200Hz
Subsonic	10Hz ~ 50Hz
Frequency response	10Hz ~ 25KHz
THD@RMS watts	<0,10%
Input sensitivity	200mV ~ 5V
Dimensions	L 415mm x W 150mm x H 50mm

- Input with low- or high-level signal
- High-level with autosense function (no remote signal required) only Channel A
- Wired Remote controller RC-RTC (optional)

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TROUBLESHOOTING

This power amplifier is featured with an efficient protection system to prevent any damages such as overheating, overloading, short circuit and DC at the loudspeaker output. If the amplifier reports such errors, protection LED will light up red. Prior to checking the problem(s), first turn all levels of the head unit and then turn it off.

AMPLIFIER IS NOT POWERED UP, NO LED IS LIGHTNING	<ul style="list-style-type: none"> • ground connection professional connected ? • +12V power cable well connected ? • remove cable professional connected ? • fuses inserted and alright ? • analyze voltage on the amplifier
PROTECTION LED ILLUMINATES RED WHILE AMPLIFIER IS SOUNDLESS	<ul style="list-style-type: none"> • cinch cable alright and professional connected ? • loudspeaker professional connected ? • head unit alright ?
PROTECTION LED ILLUMINATES RED WHEN AMPLIFIER IS POWERED UP	<ul style="list-style-type: none"> • amplifier too hot ? • short circuit at the loudspeaker output ? • short circuit caused by loudspeaker cable with vehicle chassis (ground) ? • input voltage too high (e.g. faulty lightning dynamo) ?
OVERHEATING (PROTECTION LED ILLUMINATES RED WHEN AMPLIFIER IS POWERED UP)	<ul style="list-style-type: none"> • impedance alright ? • loudspeaker error ? • adequate ventilation around the amplifier ? • CAUTION after cooling down, the amplifier turns on automatically
ERROR EXTERNAL AMPLIFIER FUSE	<ul style="list-style-type: none"> • ground professional connected ? • loudspeaker impedance alright ? • CAUTION make sure when changing fuses to use the same value
SOUND TOO LOW OR LOW-DISTORTED SOUND	<ul style="list-style-type: none"> • input level control „GAIN“ is set to match the head unit ? • output level control of the head unit alright ? • loudspeaker error ? • loudspeaker cable checked ? • crossover frequencies have been properly set ? (Check head unit, amplifier, DSP, sound processor, equalizer, frequency bandpass filter ...)
HIGH HISS-ENGINE NOISE IN SPEAKER	<ul style="list-style-type: none"> • ground connection professional connected ? • short circuit caused by loudspeaker cable installed too close the power-connection cable ? • cinch ground (RCA) of head unit alright ?



Caution



Please contact your specialist dealer if the amplifier still does not work even after the above troubleshooting list had been checked.

For warranty adjustment / repairs, the original invoice has to be presented!

Opening or disassembling the amplifier void warranty!