

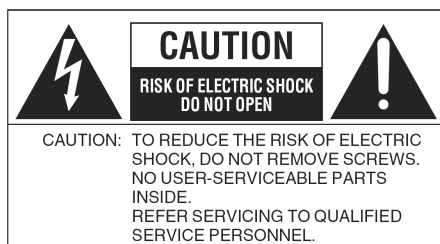


SUB2

Active subwoofer



User Manual



WARNING:
TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR PRODUCT DAMAGE, DO NOT EXPOSE THIS APPARATUS TO RAIN, MOISTURE, DRIPPING OR SPLASHING AND THAT NO OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHALL BE PLACED ON THE APPARATUS.

IMPORTANT SAFETY INSTRUCTIONS

When using this electronic device, basic precautions should always be taken, including the following:

1. Read all instructions before using the product.
2. Do not use this product near water (e.g., near a bathtub, washbowl, kitchen sink, in a wet basement or near a swimming pool etc).
3. Use this device when you are sure that preamplifier has a stable base and it is fixed securely.
4. This product, in combination with amplifier and loudspeakers may be capable of producing sound levels that could cause permanent hearing loss. Do not operate for a long period of time at a high volume level or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should consult with otorhinolaryngologists. The product should be positioned so that proper ventilation is maintained.
5. The product should be located away from heat sources such as radiators, heat vents, or other devices (including amplifiers) that produce heat.
6. The product should be connected to a power supply that is described in the operating instructions or are marked on the product. Replace the fuse only with one of the specified type, size and correct rating.
7. The power supply cord should be undamaged and never share an outlet or extension cord with other devices so that the outlet or extension cord's power rating is exceeded. Never leave device plugged be left plugged in to the outlet when it's not being used for a long period of time.
8. Care should be taken so that objects do not fall into, and liquids would not be spilled through, the enclosure's openings.
9. The product should be serviced by qualified service personnel if:
 - The power supply cord or the plug has been damaged.
 - Objects have fallen into or liquid has been spilled on the product.
 - The product has been exposed to rain.
 - The product has been dropped or the enclosure damaged.

All the other servicing must be referred to qualified service personnel too.
10. Unplug this device when unused for long periods of time.
11. There are some areas with high voltage inside, to reduce the risk of electric shock do not remove cover of the preamplifier. The cover should be removed by the qualified personnel only. No user serviceable parts inside.

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4 Before you start

SUB 2 - active subwoofers for public address and home installations. Black coloured body with front mounted 10" speaker. 200 W power amplifier, 20 Hz - 130 Hz frequency range. Low pass filter, volume and phase control, ground lift switch. Built-in limiter. Line level stereo inputs. Simple device's connecting to the sound system.

What's in the box?

Items those are included in the box:

- Active subwoofers **SUB 2**
- Instruction manual
- Power cable

Features

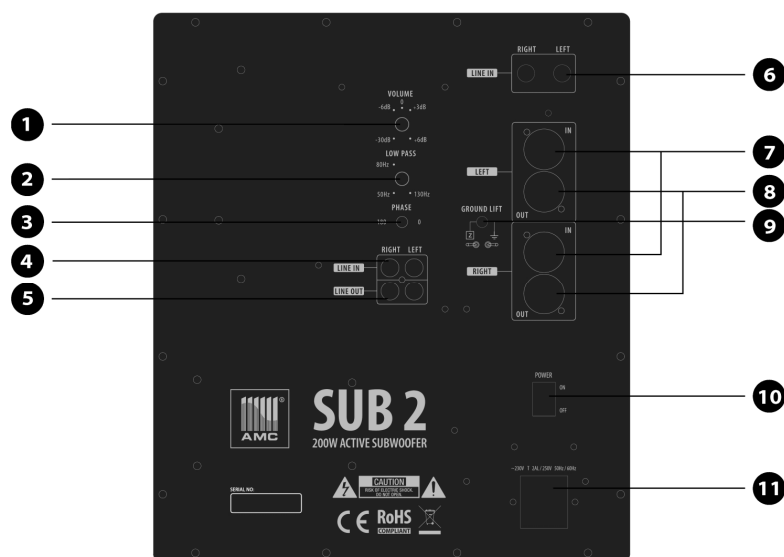
- 200 W power amplifier, 20 Hz - 130 Hz frequency range.
- Low pass filter, volume and phase control, ground lift switch.
- Built-in limiter.
- Line level stereo inputs and high pass outputs.
- Stereo RCA and balanced 6.3 mm TRS Jack and XLR inputs.
- Front mounted 10" speaker.

Hints on Installation

This user manual contains an important information on operating **SUB 2** active subwoofer correctly and safety. Please read it carefully before operating your subwoofer.

Before connecting audio signal, make sure that the power of all your system's components including the preamplifier or sound mixer is turned off. Also, make sure that all of inputs' controls of your active subwoofer are turned down. This will avoid damage to your speakers and avoid unexpected noise. Before disconnecting the **SUB 2** active subwoofers always turn off the power switch.

Rear Panel



1. VOLUME CONTROL

This knob is designed for the volume level adjusting. Please pay attention: The lowest input sensitivity level which can be set is -30dB.

2. LOW PASS CONTROL

This knob controls crossover's frequency and allows to move crossover point between 50Hz and 130Hz.

3. PHASE

This switch inverts the phase of the audio signal. If the switch is set to the "0" position the audio signal phase is not adjusted. If the switch is set to the "180" position the audio signal is inverted.

4. LINE IN

Line level Stereo RCA input.

5. LINE OUT

Line level Stereo RCA output.

6. TRS JACK INPUT

Line level 6.3 mm balanced jack stereo input.

7. LINE LEVEL XLR INPUT

Line level balanced XLR input.

8. LINE LEVEL XLR OUTPUT

The audio signal in this balanced XLR output is linked from internal crossover's high pass section, so frequency response of this output is in depended from crossover's setting.

9. GROUND LIFT SWITCH

Ground lift switch is used to eliminate or reduce noise caused by ground loops. Set the switch to  or  position depending on your situation.

 marking means that audio signal ground is disconnected from chassis ground.

 marking means that audio signal ground is connected to chassis ground.

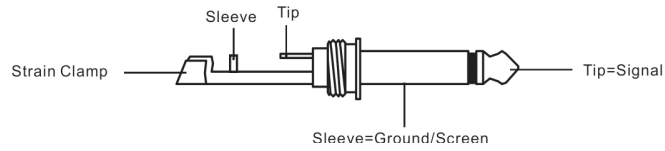
10. MAIN POWER SWITCH

By using this switch subwoofer can be turned on and turned off.

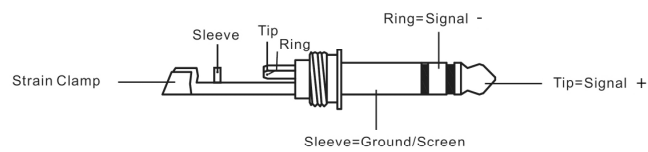
11. MAIN POWER SOCKET AND FUSE

This socket is designed for main powers connecting to amplifier. Please note this connector is combined with fuse holder and 2A, 250V fuse

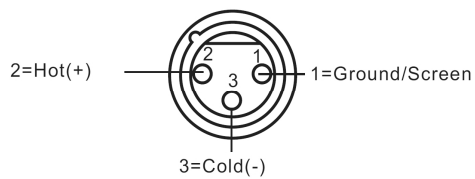
Connectors



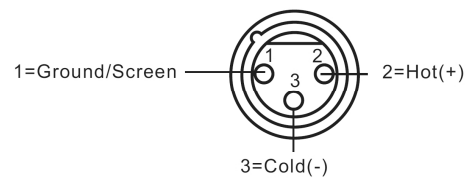
TRS connector



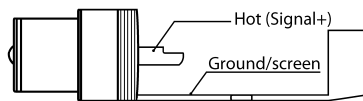
TRS connector



XLR male connector



XLR female connector



RCA connector

Cable wiring examples



Cable to balanced input from balanced output. TRS connectors.



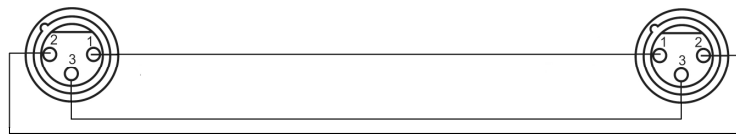
Cable to unbalanced input from balanced output. TRS and TS connectors.



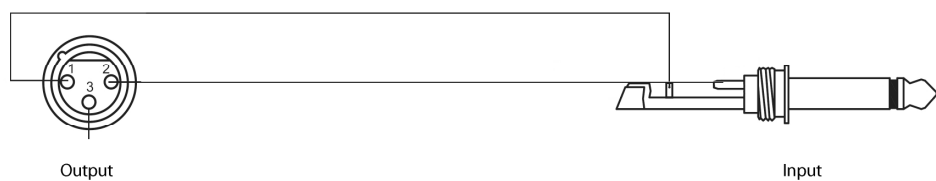
Cable to balanced input from unbalanced output. TS and TRS connectors.



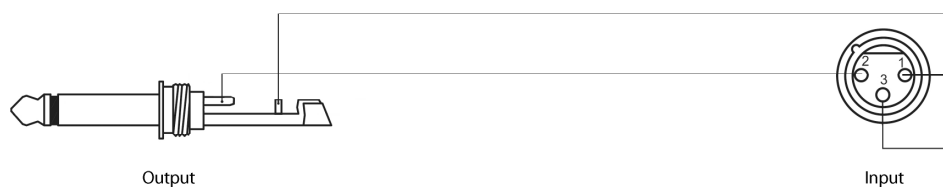
Cable to unbalanced input from unbalanced output. TS connectors.



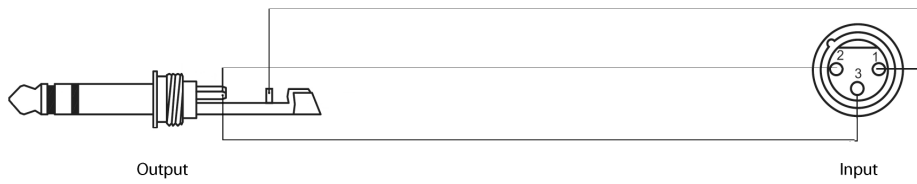
Cable to balanced input from balanced output. XLR connectors.



Cable to unbalanced input from balanced output. XLR and TS connectors.



Cable to balanced input from unbalanced output. TS and XLR connectors.



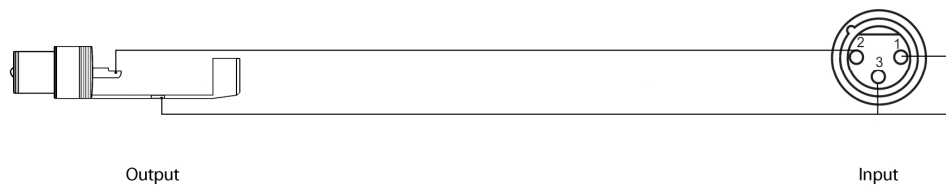
Cable to balanced input from balanced output. TRS and XLR connectors.



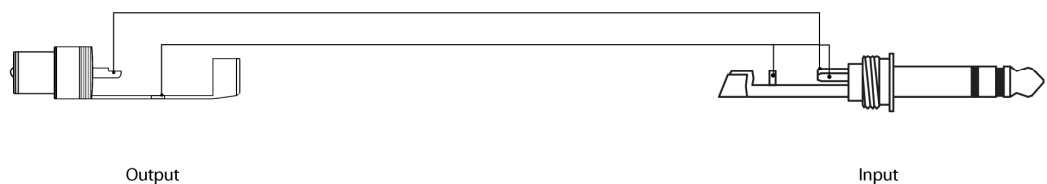
RCA cable.



Cable to unbalanced input from RCA output. RCA and TS connectors.



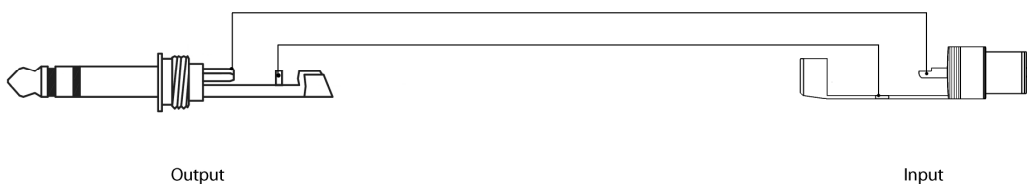
Cable to balanced input from RCA output. RCA and XLR connectors.



Cable to balanced input from RCA output. RCA and TRS connectors.



Cable to RCA input from balanced output. RCA and XLR connectors.



Cable to RCA input from balanced output. RCA and TRS connectors.

Specifications

Power supply	AC 230V, 50 Hz
Rated power	200 W
Frequency response	20 Hz - 130 Hz
Low pass filter	50 Hz - 130 Hz
Driver dimensions	10" (254 mm)
Input gain control	- 6 dBu - +3 dBu
Input impedance	10 kΩ
Inputs	Inputs Stereo RCA, balanced stereo 6,3 mm TRS JACK, balanced stereo XLR
Outputs	Inputs Stereo RCA, balanced stereo XLR
Dimensions	355 mm x 380 mm x 370 mm
Weight	12 kg
Material	Painted MDF
Colour	Black (RAL 9017)

The specifications above are correct at the time of printing of this manual. For improvement purposes, all specifications for this unit, including design and appearance, are subject to change without prior notice.

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