

# 4 Way Loudspeaker Switching Console with Terminal Connections



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## INTRODUCTION:

The loudspeaker switching console is used to distribute loudspeaker output signals of audio amplifiers to different loudspeakers in a switchable mode.

This product is only approved for connection to loudspeaker outputs of audio amplifiers and outputs of pas-sive loudspeakers.

## CONNECTION:

- 1) Only use suitable loudspeaker cables for connecting. If in doubt, consult an expert.
  - 2) Carefully read the input and output connection section in the relevant operating instructions of the devices that are to be connected.
  - 3) If these instructions are not observed, the loudspeaker switching console or connected devices (amplifier or loudspeaker) may get damaged.
  - 4) Switch off the power switch of the amplifier before connecting it and do not switch the amplifier on again until you have made all the necessary connections and checked them.
  - 5) Follow the same procedure, when changing the wiring of the loudspeaker switching console.
  - 6) Make sure to introduce neatly the litz wires into loudspeaker terminals to exclude short circuits.
- When connecting, observe the marking of the loudspeaker terminals:  
+ = positive connection / - = negative connection / RIGHT = right connection / LEFT = left connection
  - Connect the loudspeaker terminals SPEAKER with loudspeakers.
  - Connect the loudspeaker terminals AMPLIFIER to the loudspeaker outputs of the amplifier.

## OPERATION:

- Switch on your amplifier and start the desired music programme.
  - Select the desired loudspeaker pairs by loudspeaker selection switches.
  - Due to the series-parallel arrangement, the switches with no connected loudspeaker are always in the OFF position.
- The loudspeaker pairs are operated by the loudspeaker switching console in a series-parallel circuit. The value loaded at the amplifier can be found in the table below. This table refers to connection of 8 Ohm loudspeakers. If 4 Ohm loudspeakers are used, the provided total impedance values have to be halved.

LOUDSPEAKER PAIR	TOTAL IMPEDANCE (OHM)
1 or 2 or 3 or 4	8
1+2 or 3+4	16
1+3 or 1+4	4
2+3 or 2+4	4
1+2+3 or 1+2+4	5.3
2+3+4 or 1+3+4	5.3
all on	8
all off	220

## Principally, the following rules apply:

The total impedance of the connected loudspeakers is calculated from the series connection of loudspeaker pair 1 and 2, as well as 3 and 4. These pairs in turn are connected in parallel.

Based on this information, a specialist can calculate the total impedance and give you the necessary connection instructions ("Which loudspeaker pair to which output?").

## SPECIFICATIONS:

Inputs..... 1 x stereo  
 Outputs..... 4 x stereo  
 Maximum load..... 200 W (max.) / 100 W (switchable)  
 Dimensions..... 225x38x103 mm  
 Weight..... 580 g