

# Beresford TC-7210 Amplifier/Speaker Control REV:3.0

The TC-7210 is a 2-way loudspeaker source control designed to accept two amplified stereo audio sources such two amplifiers in order to share one pair of loudspeakers

## Features:

- High-End Audio amplifier and speaker terminals
- Individual Left & Right Channel selectors
- Load Protection circuit design safeguards your amplifier when it is not connected to the speakers.
- Power rating: 100W RMS continuous, 250W nominal.
- Individual isolated ground connections and terminals
- Industrial strength metal case

## Installation:

- Switch off the input sources (i.e. amplifiers) before installation
- Remove the Red and Black dust caps inside the speaker terminals of the TC-7210 if you are going to use banana plugs
- Connect the loudspeaker cables to the terminals marked "Speaker"
- Connect Amp A speaker output to terminal "A"
- Connect Amp B speaker output to terminal "B"
- Pay attention to the correct polarities when wiring the amplifiers and speakers to the TC-7210 terminals



## Connections

**Caution:** Be sure to follow proper polarity (– to – and + to +) when making connections.

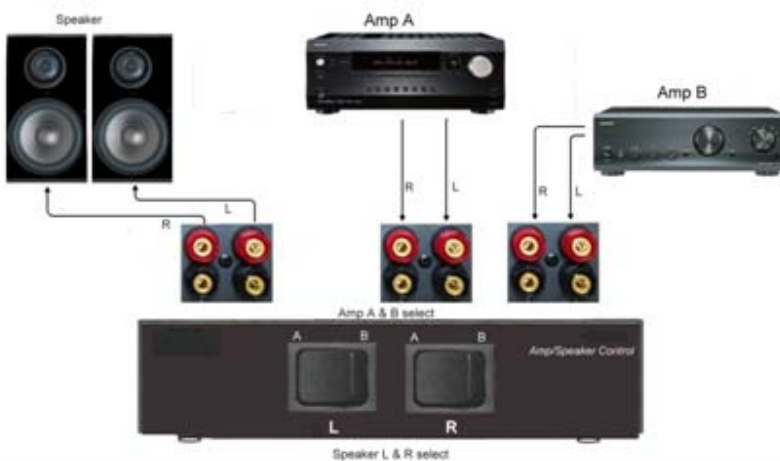
1. Connect amplifier A left speaker negative output terminal (–) to the TC-7210 AMPLIFIER A left negative (–) terminal.
2. Connect amplifier A left speaker positive output terminal (+) to the TC-7210 AMPLIFIER A left positive (+) terminal.
3. Connect amplifier A right speaker negative output terminal (–) to the TC-7210 AMPLIFIER A right negative (–) terminal.
4. Connect amplifier A right speaker positive output terminal (+) to the TC-7210 AMPLIFIER A right positive (+) terminal.
  
5. Connect amplifier B left speaker negative output terminal (–) to the TC-7210 AMPLIFIER B left negative (–) terminal.
6. Connect amplifier B left speaker positive output terminal (+) to the TC-7210 AMPLIFIER B left positive (+) terminal.
7. Connect amplifier B right speaker negative output terminal (–) to the TC-7210 AMPLIFIER B right negative (–) terminal.
8. Connect amplifier B right speaker positive output terminal (+) to the TC-7210 AMPLIFIER B right positive (+) terminal.
  
9. Connect the left speaker negative output terminal (–) to the TC-7210 left speaker negative (–) terminal.
10. Connect the left speaker positive output terminal (+) to the TC-7210 left speaker positive (+) terminal.
11. Connect the right speaker negative output terminal (–) to the TC-7210 right speaker negative (–) terminal.
12. Connect the right speaker positive output terminal (+) to the TC-7210 right speaker positive (+) terminal.

## Operation:

- Switch OFF or turn down the volume controls on both amplifiers.
- Select the desired amplifier by setting the front select switch to position A or B
- Channel L and R need to be selected separately
- Switch ON the amplifier that you wish to use.

## Switch selection operation

- When both L and R switches are switched to Amp **A**, the Left & Right speakers are driven by Amp **A**
- When both L and R switches are switched to Amp **B**, the Left & Right speakers are driven by Amp **B**
- When switch L is set to Amp **A**, and switch R is set to Amp **B**, the speaker **L** is drive by Amp **A** and speaker **R** is drive by Amp **B**.
- When switch L is set to Amp **B**, and switch R is set to Amp **A**, the speaker **L** is driven by Amp **B** and speaker **R** is driven by Amp **A**.
- In order to switch between Amp **A** and **B**, place both switches to either Amp **A** or **B**  
(As the ground is separately connected, the connected amplifier can be OCL or BTL)



## SAFETY CONSIDERATIONS

- Do not leave the amplifier that is not playing in the ON position. It is best to switch the unused amplifier OFF.
- Do not switch between two amplifiers or speakers whilst there is music playing through them that can also be heard through any of the speakers. This could otherwise trigger the protection circuit in some amplifiers into assuming that there is a faulty connection, and shut down the amplifier.