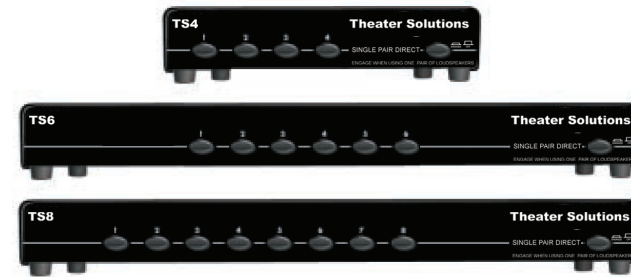


# Theater Solutions



## TS4、TS6、TS8 4、6、8-Way Protected Loudspeaker Switcher Instruction Manual

### Theater Solutions

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Congratulations on the purchase of your Theater Solutions TS8 (TS4、TS6) loudspeaker switcher.

When used with your current audio/home-theatre system, the TS8 (TS4、TS6) will allow you to add up to 8 pairs of loudspeakers, while providing protection for your amplifier/receiver. The TS8 (TS4、TS6) was manufactured with high quality components and engineered to provide you with many years of trouble free listening enjoyment.

Though easy to install, we recommend that you read carefully through this instruction manual and save your bill of sale in the unlikely event that your loudspeaker switcher requires servicing.

Adding additional loudspeakers around your home is now simple, thanks to the Theater Solutions loudspeaker selector. The TS8 (TS4、TS6) has been designed to let you turn on or off any combination of up to 8 pairs of loudspeakers without purchasing additional amplifiers.

### Safety Instructions

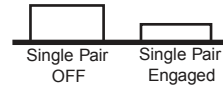
- We recommend that the amplifier/receiver be turned OFF while making any connections.
- Do not use wherever there is a risk that the switcher may come into contact with water or excessive moisture, such as near pools, bathtubs and wet basements.
- In the event of a malfunction, do not attempt to service the product yourself. Please contact Theater Solutions.

## Front Panel



## Controls

- 1 Loudspeaker selectors 1 through 8 ( or 4 or 6 ) – Press the button in to listen to the desired loudspeakers.
- 2 Single Pair Direct Switch – Impedance protection switch for the amplifier/receiver. Use as directed in this owners manual.



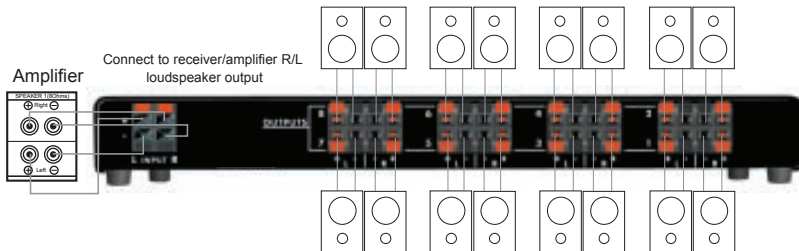
## Rear Panel



- 3 Connection from amplifier – from the L(left) and R(right) loudspeaker output of your receiver or amplifier.
- 4 Loudspeaker Connections – connections to be made from the TS8 (TS4, TS6) to the desired loudspeakers, with the corresponding selector on the front panel.

## Typical Hook Up

The diagram below shows an overview of a typical system using 8 ( or 4 or 6 ) loudspeaker pairs.  
Overview of typical system



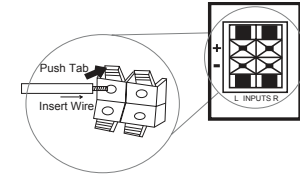
## Installation Tips

- 18 or 16 gauge stranded loudspeaker wire is recommended. 14 gauge is recommended for runs longer than 50 feet.
- You can mix any combination of 4, 6, 8 and 16 ohm loudspeakers
- Wire according to local laws. Specific "CL" fire rating may be required according to your local building codes. Your dealer may know more about obtaining such wire.
- Avoid running close to AC power wiring for safety and to avoid the possibility of picking up any noise.

## Installation

Make sure power to your receiver or power amplifier is off before doing any wiring.

- To make a connection, strip 3/8" of insulation from the end of the wire.
- Twist the wire ends so that there are no frayed wires.
- Push the tab and insert the wire into the correct input.



Connect the wires from the loudspeaker output of your receiver or amplifier to the terminals marked INPUTS on the TS8 (TS4, TS6). Connect the "+" output from the right front output on the amplifier to the right "+" on the TS8 (TS4, TS6) and connect the "-" output from your amplifier to the "-" input of the switcher. Likewise, connect the left channel wires to the left inputs. Ensure that the connections are made correctly, as any improper connections will cause the loudspeakers to play out of phase. Connect wires from each of the loudspeakers to the corresponding output connection on the switcher.

## Operation

### Initial connection

For initial turn-on, it is recommended that only one loudspeaker pair be used. Select this loudspeaker pair and turn on your receiver/amplifier. Ensure that sound is coming from both loudspeakers. If there is no sound, check your connections from your amplifier/receiver and the loudspeaker connections.

### Loudspeaker Selector Inputs

Engaging additional front panel controls (1-4 or 6 or 8) will allow the selected loudspeakers to function.

### Single Pair Direct

When listening to a single pair of loudspeakers, especially at high listening levels, it is recommended that the Single Pair Direct be turned ON.

## Troubleshooting

Problem	Solution
No sound	<ul style="list-style-type: none"> <li>Make sure the correct loudspeaker is selected</li> <li>Make sure no wires are touching each other or the case of the amplifier or the switcher</li> </ul>
Slight drop in volume when PROTECTION is selected	Normal – This is due to the additional resistance added to protect your amplifier
Unit gets very hot	<ul style="list-style-type: none"> <li>Reduce volume level</li> <li>Turn unused loudspeakers off</li> <li>If only one loudspeaker pair is used, turn the Single Pair Direct On.</li> </ul>

## TS4 Technical specifications

Outputs: 4 loudspeaker pairs, 4 to 16 ohm impedance  
 Wire Gauge: 14 to 22 gauge  
 Size (WDH): 81/2"×47/8"×23/16"  
 Weight: 2.35 lbs  
 Supplied accessories:  
 • User manual (this document)  
 • Sheet of front panel labels.

## TS6 Technical specifications

Outputs: 6 loudspeaker pairs, 4 to 16 ohm impedance  
 Wire Gauge: 14 to 22 gauge  
 Size (WDH): 17"×47/8"×23/16"  
 Weight: 4.15 lbs  
 Supplied accessories:  
 • User manual (this document)  
 • Sheet of front panel labels.

## TS8 Technical specifications

Outputs: 8 loudspeaker pairs, 4 to 16 ohm impedance  
 Wire Gauge: 14 to 22 gauge  
 Size (WDH): 17"×47/8"×23/16"  
 Weight: 4.15 lbs  
 Supplied accessories:  
 • User manual (this document)  
 • Sheet of front panel labels

Design and specifications are subject to change without notice.