

The **WT6** can be used to connect multiple speakers to an amplifier, multiple infrared receivers to a connection block or any other low voltage multiple application. All of the WT6 R+ terminals are connected together, as are the R-, L- and L+ terminals.

**Caution:** When connecting speakers, make sure the amplifier powering the speakers can handle the load. We suggest that your amplifier be rated for 4 ohm speaker operation when more than 3 or more pairs of speakers are connected AND that Knöll Powermatch stereo volume controls be used to safely control the impedance. If Powermatch stereo volume controls will not be used and there are more than three pairs of speakers to be connected to one amplifier, we suggest using the WIN600 interface instead of the WT6 as it includes impedance matching circuitry.

The WT6 provides a convenient way to parallel many wires to a common 2, 3, or 4 conductor bus such as volume controls or infrared systems. Multiple home run leads can be easily connected from IR receivers to the input of an IR connecting block or from multiple volume controls to a power amplifier.

#### Features and Specifications:

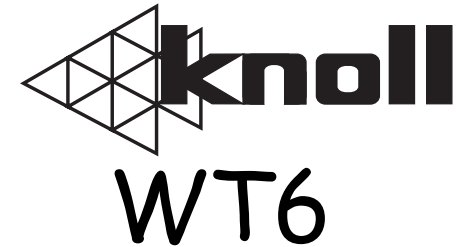
- \*Seven removable four-conductor plugs
- \*12-20 gauge wire capability screw terminals
- \*One input to six output or six input to one output
- \*When more than six inputs or outputs are required, the WT6 can be doubled or tripled up as required.
- \*A maximum of 12 IR receivers are recommended due to IR noise build up that may result in unreliable operation
- \*Very high current design allowing 500 watt or more amplifier connections
- \*Dimensions: 6-1/2" x 2-1/16" x 1-1/4"
- \*The WT6 may be permanently surface mounted using 2 screws through the bottom tray or with double sided adhesive tape.

#### Installation Tips:

##### Speakers and Volume Controls

**Note:** Be careful when paralleling volume controls and/or speakers, that the maximum numbers recommended are not exceeded as system damage may result. These numbers vary based on the impedance load an amplifier or receiver may take and the type of volume control or speaker used.

1. When connecting speaker wires begin by screwing the wires from the amplifier output to a plug strictly observing polarity and plug it into the connector labeled "From Amp".
2. Next screw the wires from the first pair of speaker or volume control to a plug and plug it into the WT6 connector labeled "Room 1". Continue this with the other wires from the volume controls or speakers. Wires may be doubled up in a plug or a second WT6 added as required.



## Parallel Connection Strip

## Information and Installation Guide v1.0

#### IR Systems

1. Connect the 2, 3 or 4 wires from each IR receivers to the WT6 using Room1, Room2, etc. until all of the IR receivers are connected. The wiring order has to be the same for every IR receiver.
2. Next connect the plug connector labelled "From Amp" to the IR connection block using the same wiring order as in 1 above.

#### Warranty

*Knöll Systems* warrants its products sold in the USA by authorized Knöll Systems dealers to be free from defects in materials and workmanship. The warranty extends for three full years from the date of purchase by the original consumer. Any products returned within the warranty period will be repaired or replaced at Knöll Systems option, at no cost. Knöll Systems will not be responsible for the actual cost of removal or reinstallation of the product, nor of any incidental or consequential damages. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply to you. This warranty gives you specific legal rights. You may have additional legal rights that vary from state to state.

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**WT6**

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