Example of Mixer Using WPD-MIX42 to Remote Select Audio Sources in a Stereo System

### DIP Switch Settings:

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
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<th>8</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>INPUT 4</td>
<td>INPUT 4</td>
<td>INPUT 4</td>
<td>INPUT 3</td>
<td>INPUT 3</td>
<td>INPUT 2</td>
<td>INPUT 1</td>
<td>OUTPUT</td>
<td>REMOTE</td>
<td>WALL</td>
<td>PLATE</td>
<td>NC</td>
</tr>
<tr>
<td>PHANTOM</td>
<td>VIDEO</td>
<td>LOW CUT</td>
<td>JUKE OR</td>
<td>MUTE</td>
<td>RCV</td>
<td>MUTE</td>
<td>RCV</td>
<td>LEVEL</td>
<td>MONO</td>
<td>NC</td>
<td>NC</td>
</tr>
<tr>
<td>ON</td>
<td>MIC</td>
<td>ON</td>
<td>ON</td>
<td>3 SEC</td>
<td>ON</td>
<td>ON</td>
<td>ON</td>
<td>MONO</td>
<td>INPUT</td>
<td>OFF</td>
<td>NC</td>
</tr>
</tbody>
</table>

### TSD-MIX42RT

**SET DIP SWITCHES**

1 X CAT5
OR 8 CONDUCTOR

**WPD-MIX42RT ROOM CONTROLLER**

THE WPD-MIX42RT ALLOWS REMOTE SOURCE SELECTION AND VOLUME CONTROL WITH POWER-ON INDICATOR. IT CAN BE PLACED UP TO 200FT AWAY. NOTE: JUKE BOX OVERRIDE IS DISABLED WHEN WALL PLATE IS ACTIVATED.

### Application Example

**Example of Mixer Using WPD-MIX42 to Remote Select Audio Sources in a Stereo System**

- **TSD-MIX42RT**
- **WPD-MIX42RT ROOM CONTROLLER**
- **STEREO AMPLIFIER**
- **DPA-102PM**
- **LINE COLOR KEY**
  - LINE LEVEL AUDIO SIGNAL
  - LOUDSPEAKER LEVEL
  - CONTROL SIGNAL
  - MIC LEVEL AUDIO SIGNAL
  - VIDEO
  - GROUND
  - 120V

**AUDIO SOURCES**

- **TV1- AUDIO SAT RECEIVER**
- **TV2-AUDIO SAT RECEIVER**
- **MUSIC MEDIA PLAYER**

**SM SERIES**

**LEFT**

**RIGHT**

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Specifications are subject to change without notice.
Overview:
This example illustrates how to use a TSD-MIX42RT as a 3 Stereo Input source mixer in a stereo speaker system with a remote WPD-MIX42RT wall plate source selector.

Application Example Description:
In this example, the TSD-MIX42RT is configured to mix between 3 stereo audio sources consisting of audio from two satellite TV receivers and one Music Media Player. The WPD-MIX42RT wall plate controller allows an easy way to select between the 3 sources from a remote location (up to 200ft away) with master volume control.

Benefits:
• Cost Effective Solution
• Stereo or Mono Applications
• Mic Input with Phantom and Low Cut Filter
• Priority Override Assignment
• Selectable Override Release Times
• Trigger Accepts Analog Audio
• Adjustable Output Limiter

Application Example Notes:
1. Input 3 override is disabled when WPD-MIX42RT is activated (DIP switch 11 is set to ON).
2. A paging Mic with VOX Priority Muting can be added to this scenario if needed (see this application with added paging Mic).
3. Balanced Input 4 can be configured to Line Level (DIP switch 2) for a pre-recorded Fire Alert message. For this safety application set Mute RCV 1, 2, and 3 to ON (DIP switches 6, 7, and 8).
4. In this example, a stereo speaker system is shown. DIP Switch 9 sums the Inputs for a mono output. See other TSD-MIX42RT applications for an example of a 70V mono system.