Example of Mixer in a Digital Signage Kiosk Using Override Muting to Play a Triggered Advertisement

**DIP SWITCH SETTINGS:**

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<th>2</th>
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<th>4</th>
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<th>10</th>
<th>11</th>
<th>12</th>
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<tbody>
<tr>
<td>INPUT 4</td>
<td>PHANTOM</td>
<td>120V/120V</td>
<td>LOW CUT</td>
<td>JUKE MUTE</td>
<td>DELAY</td>
<td>MUTE RCV</td>
<td>MUTE RCV</td>
<td>MUTE RCV</td>
<td>STEREO</td>
<td>MONO</td>
<td>REMOTE</td>
<td>LEVEL</td>
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<td>OFF</td>
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**TSD-MIX42**

**DIGITAL SIGNAGE DISPLAY**

**AUDIO VIDEO SOURCES**

**MAIN SIGNAGE MESSAGE AUDIO CHANNEL**

**PRIORITY OVER RIDE AUDIO CHANNEL**

**20W MONO 70V AMPLIFIER**

**TSD-PA20VG**

**KIOSK SPEAKER**

**SM42T**

**KIOSK DISPLAY**

**AUTO A/B VIDEO SWITCH**

**KIOSK PROXIMITY SENSOR TRIGGER**

**AUDIO/VIDEO MEDIA PLAYER OR DIGITAL SIGNAGE MAIN MESSAGE SOURCE - PLAYING CONTINUAL LOOP**

**AUDIO/VIDEO MEDIA PLAYER - PLAYS ADVERTISEMENT WHEN PROXIMITY SENSOR IS TRIGGERED**

**LINE COLOR KEY**

- **LINE LEVEL AUDIO SIGNAL**
- ** LOUDSPEAKER LEVEL**
- **CONTROL SIGNAL**
- **MIC LEVEL AUDIO SIGNAL**
- **VIDEO**
- **GROUND**
- **120V**

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Specifications are subject to change without notice.
Overview:
This example illustrates how to configure a TSD-MIX42RT in a Digital Signage Kiosk where a continuous loop is playing until a customer standing in front of the kiosk triggers a proximity sensor and a specific advertisement is queued to play. The TSD-MIX42RT Juke Box Override feature is used to automatically mute the continuous loop audio, play the second media player audio, and then after the audio stops revert back to the continuous loop audio.

Application Example Description:
This example uses two Inputs on the TSD-MIX42RT to select audio from two media players. The media player with the specific advertisement is connected to Input 3 to make use of the Juke Box override feature. The media player with the continuous loop audio is connected to Input 1. When a customer stands in front of the Kiosk, a proximity sensor triggers the specific advertisement media player to play. The TSD-MIX42RT Juke Box Override feature is used to sense the audio on Input 3 and automatically mute the continuous loop audio on Input 1, play the second media player audio, and then after the audio stops revert back to the continuous loop program material.

Benefits:
- Cost effective Solution
- Stereo or Mono Applications
- Priority Override Assignment
- Selectable Override Release Times
- Trigger Accepts Analog Audio
- Adjustable Output limiter

Application Example Notes:
1. Setting DIP switch 4 to ON activates Input 3 Override.
2. Setting DIP switch 8 Mute RCV to ON will assign Input 1 to mute when Input 3 Override audio is triggered.
3. DIP switch 5 sets the mute delay time that Input 1 will remain muted before fading back to the program loop material. This setting has a long and short setting (20 or 3 seconds) and will need to be tested for the application.
4. In this example, a mono 70V speaker system is shown. DIP switch 9 allows an easy way to sum the inputs for a mono output. See other TSD-MIX42RT applications for stereo system example.