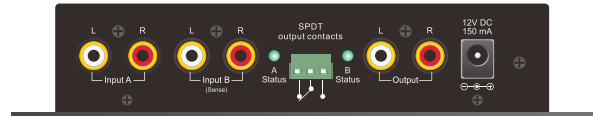
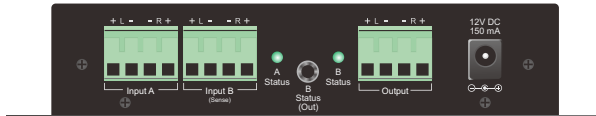
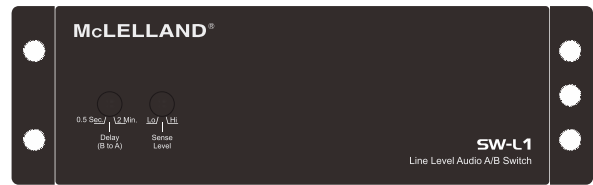
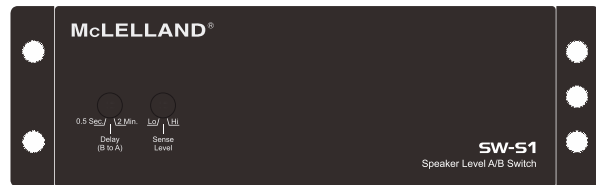


# McLELLAND User Manual



Model SW-S1 Speaker Level

Model SW-L1 Line Level

Automatic speaker and line level switches are suitable for a variety of sound system applications from large commercial background music and paging systems, to whole house audio and home theater systems. Speaker level switching is perfect when two independent sound systems feed a single pair of speakers. Line level switching is ideal when two different sources feed a single amplifier or mixer input.

Inputs are identified as Input A and Input B. Input A is the default input and will pass through to the output when the switch is in the off state. When a source is detected at Input B, the switch automatically switches Input B to the output. When the signal is removed, the switch will remain in the "B" state, until the delay time has elapsed, at which point the switch returns to Input A.

Model SW-S1 Speaker Level Switch provides a 12VDC status output, allowing the switch to trigger external devices, or power an indicator. This is an open collector output that is capable of driving up to a 100mA load. Connection is made via a 3.5mm connector, positive tip.

Model SW-L1 Line Level Switch provides SPDT relay output, which can be used to trigger external devices. This relay contact will handle 24VDC, 1A load. Connections are made via detachable screw terminal strip.

Switches require 12VDC, 200mA (max), AC adaptor is included.

Specifications:	
Model SW-S1	Model SW-L1
Left/Right Speaker Level	Left/Right Line Level
A/B Input, single output	
Adjustable off delay from 0.5 seconds to 2 minutes	
Adjustable sensitivity	
Default to Input A, auto trigger with audio is present on Input B	
3.5mm 12VDC, 100mA trigger output (Tip +)	SPDT relay output, detachable terminal strip (18AWG max)
Detachable terminal strip inputs and outputs (14AWG max)	L/R Line Level RCA female inputs and outputs
Requires 12VDC, 200mA, AC adaptor included	
Rugged metal housing	
Dimensions ( <i>Incl. mounting tabs and connectors</i> ): 1.25" (H) x 6.50" (W) x 2.38" (D)	

#### Installation and Use

Upon initial use, it is recommended that the Sense Level be set to the mid point, and the Delay be set to the minimum (fully counterclockwise). Take extreme care when adjusting these two settings, as the internal PC board controls are very delicate. Adjustment should be made with a 1/8" slotted screwdriver.

The sensitivity should be fine in the mid position for virtually all applications. In cases of false or missed triggering, it can be slightly adjusted up or down as needed.

When a signal is applied to Input B, you will hear the internal relay click, with corresponding change in the green LED status indicators. When the signal is removed, the status will almost instantly revert back to Input A. Sometimes it is not desirable to have the relay switch back to Input A immediately, for example, between tracks on a CD, quiet passages in a song or movie, or long pauses in a vocal presentation. For these situations, the delay can be set to bridge the period of silence.

The ideal sensitivity and return delay time will depend upon each individual installation and personal preference.