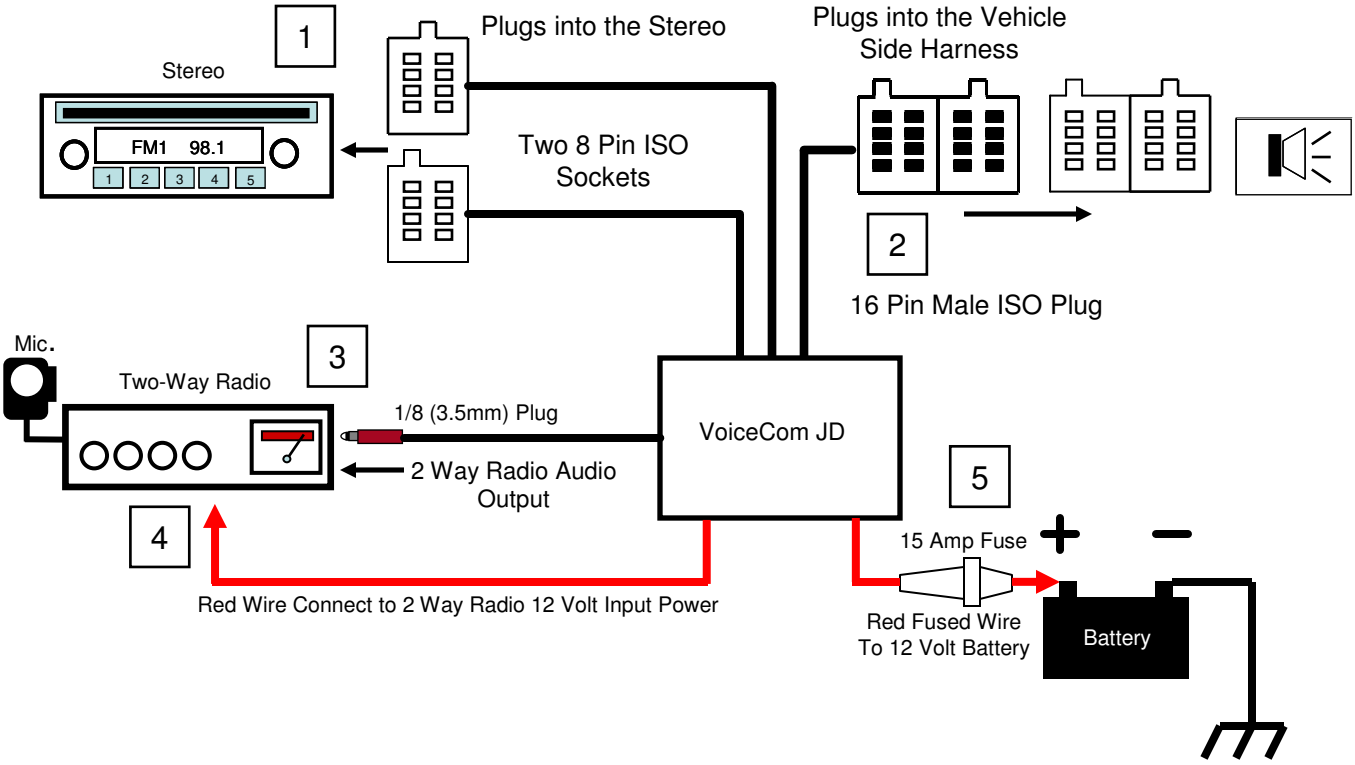
VoiceCom JD Is a Plug & Play Automatic Stereo Mute and Speaker Switch For The John Deere 9770 combine



VoiceCom JD is a stereo mute and speaker switching device that allows the audio from a Two-Way Radio to be heard through the two front cab speakers (Audio Sensing) or mutes the stereo when the two-way radio is transmitting (Current Sensing).

Audio Sensing: The 1/8" (3.5mm plug) from VoiceCom JD connects to the external speaker output socket of the two-way radio. Audio from the two-way radio is then detected by VoiceCom JD when an incoming voice message is received. This causes the two front speakers to automatically switch from stereo to the two-way radio audio while all other speakers go mute. Three seconds after the last message is received the stereo mute and speakers automatically return back to normal play.

Current Sensing: Located on the front panel of VoiceCom JD between the Blue and Red LEDs is an access hole. Just inside this opening is an adjustable control for the transmit detection circuit or current sensing trap-set. Turning the control counter-clockwise makes the detection circuit most sensitive clockwise least sensitive.

Without pressing the microphone's push-to talk (PTT) key insert a small, flat-blade screw driver into the trap-set control. From a full, left-turn setting the Blue LED, will be lit. Slowly turn the control to the right (clockwise) until the Blue LED just goes out, then stop. This adjusts the trap-set, and only needs to be done once during the installation. It would only need to be re-set if a new transceiver is installed.

When the microphone's push-to talk (PTT) key is pressed to transmit the Blue LED should light-up along with the Red LED, and if the stereo is playing, the sound system will mute. The Blue LED will shut-off when the PTT key is released. The stereo will remain mute for three seconds after release of the PTT key. The stereo will resume normal play after the Red LED shuts-off.

Special Note: The VoiceCom JD trap set is a ¾ turn broad band control. When audio is present on the two-way radio (with the volume set at a medium level) current fluctuations occur on the main two-way radio power line. This fluctuation on the power lead can be detected by how sensitive the trap-set is adjusted. The installer has the option to detect the incoming two-way radio voice through the power lead or through the audio cable. Not to have two-way radio voice detected and heard through the cab speakers don't plug the 3.5mm plug into the two-way radio external speaker jack. Then adjust the trap-set to detect current fluctuations. The stereo will still mute, and voice from the two-way radio will be heard through the internal two-way radio speaker.

Wiring Instructions For VoiceCom JD

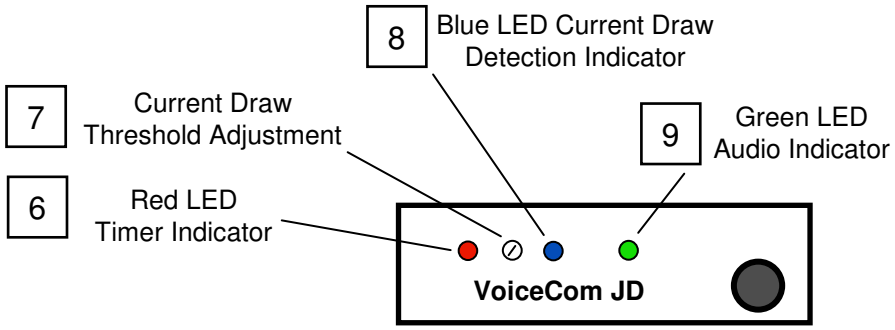
(1) Plug the two 8 pin female sockets from VoiceCom JD into the male plug located on the stereo rear.

(2) Plug the single 16 pin male plug into the vehicle side speaker and power harness.

(3) Plug the 1/8" (3.5mm) audio plug into the two-way radio external speaker socket (see Special Note above)

(4) Red un-fused power lead is the only lead that connects directly to Two-way radio (+12 Volt) input power lead.

(5) Red 15 Amp fused lead connects to (+12 Volt source) Battery



(6) Red LED: Is a mute time indicator. When lit, the timer is active. Stereo will be in a mute state and speakers switched to two-way radio voice.

(7) Transmit Detection Threshold Adjustment: The rotary control in this location is used to adjust the sensitivity of the transmit detection circuit. Turning the control counter-clockwise will make the detection circuit most sensitive with a clockwise rotation being less sensitive.

(8) Blue LED: This indicator shows when the connected 2-way radio is transmitting. It is also used as a visual aid when adjusting the transmit detection circuit's threshold. When VoiceCom JD is properly adjusted this LED will light when the two-way radio is transmitting.

(9) Green LED: This LED is an indicator for the audio detection circuit. When an audio signal is present on the audio input cable this LED will light. This LED will light with a minimum of 300mV of audio from the two-way radio's external speaker output jack.

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