

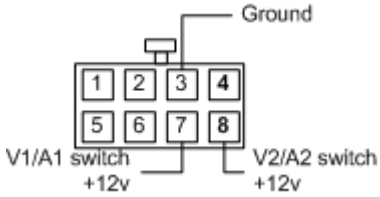
## SYNC AVSW

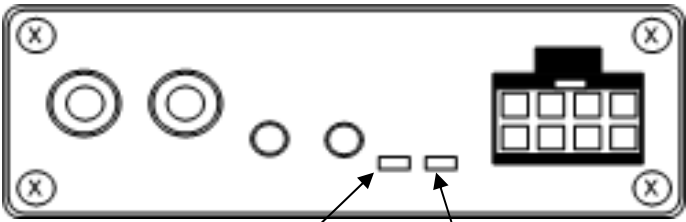
### Audio/Video switcher for ALLSYNC XG

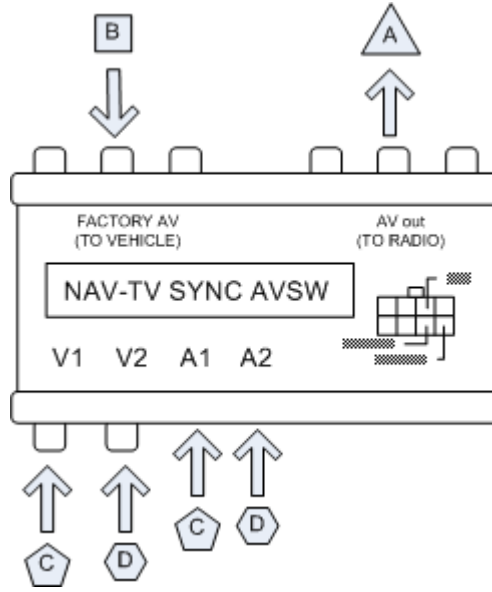
#### Overview:

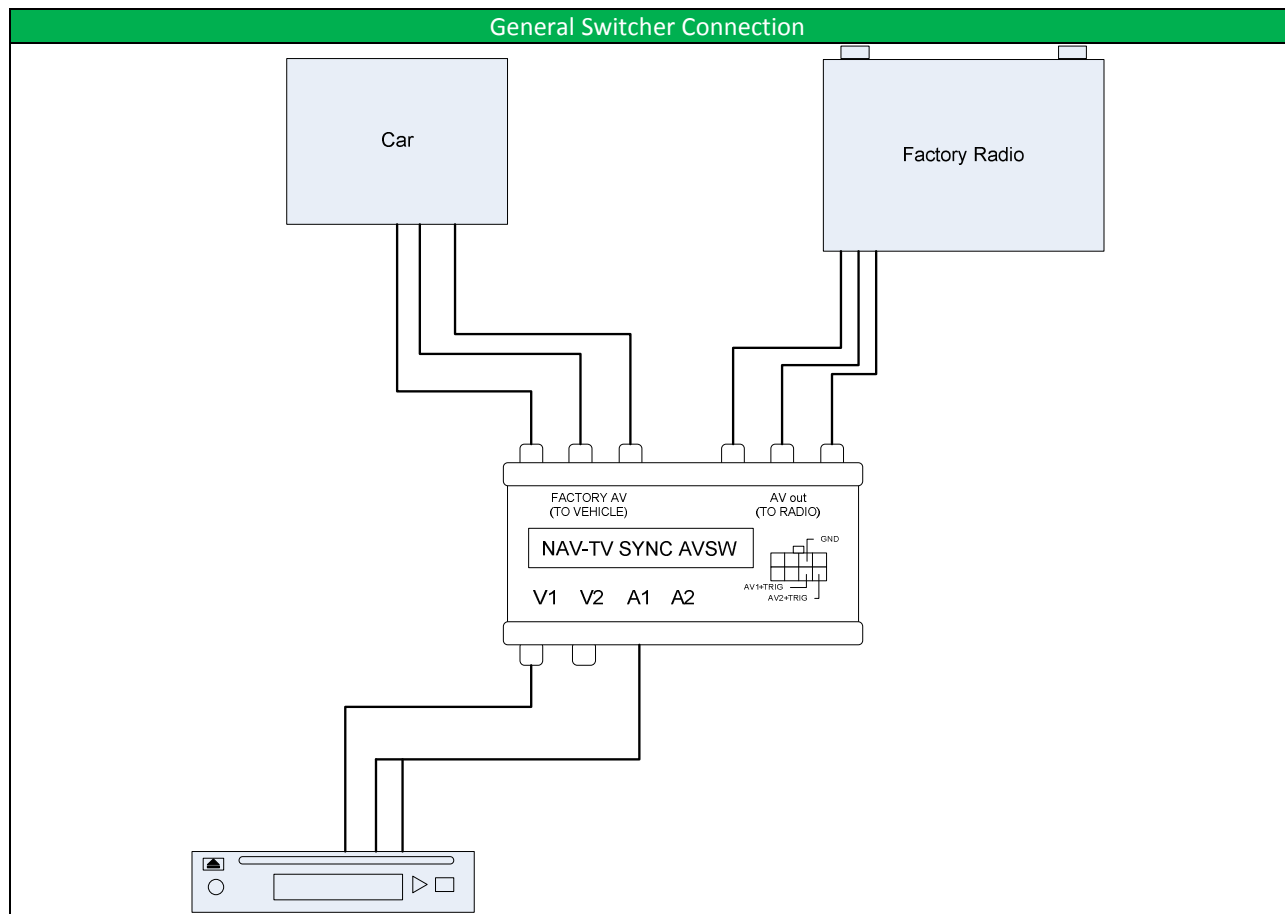
When this product is used with the ALLSYNC XG product it will allow the user to input 2 audio and video sources. This product is used when VES is enabled on the ALLSYNC XG, or when factory RSE is installed and video is extracted to display on the radio screen (send in modification required).

AVSW description	Top view
<p>All information pertaining to connection is etched on top of the SYNC AVSW.</p> <p>Factory AV (TO VEHICLE): Goes to the CAR side of the AllSync T-harnesses.            Yellow – Factory/Aftermarket Backup Camera input.            Red – Right audio output from car – i.e. RSE, AUX, USB            White – Left audio output from car – i.e. RSE, AUX, USB</p> <p>AV out (TO RADIO): Output to RADIO side of the AllSync T-harnesses.            Yellow – Backup camera input            Red – Right audio out to radio            White – Left audio out to radio</p> <p>V1: Video input from external source 1 – displayed when REAR DVD is selected            A1 (3.5mm jack): Audio input from external source 1 – selected when REAR DVD is selected.</p> <p>V2: Video input from external source 2 – displayed when REAR AUX is selected.            A2 (3.5mm jack): Audio input from external source 2 – selected when REAR AUX is selected.</p> <p>Whenever REAR DVD or REAR AUX is selected audio/video from the factory system is isolated (i.e., backup camera, sat radio, USB, etc).</p>	

Pin Out	Wire side of Power Connector
Pin 1- Empty Pin 2- Empty Pin 3- Chassis Ground Pin 4- Empty Pin 5- Empty Pin 6- Empty Pin 7- V1/A1 Switch; Connects to Output 1 of ALLSYNC Pin 8- V2/A2 Switch; Connects to Output 2 of ALLSYNC	 <ul style="list-style-type: none"> <li>Note these wires need to be connected to the ALLSYNC in order for the video switching to work properly.</li> </ul>

LED indicators	LED view
There are 2 LED indicators on the power side of the switcher. These are to give a visual representation of which input is active during operation and troubleshooting. REAR DVD: When REAR DVD is selected, LED 1 will illuminate indicating that V1 and A1 are active. REAR AUX: When REAR AUX is selected, LED 2 will illuminate indicating that V2 and A2 are active. ALL OTHER SOURCES: No LEDs will be illuminated; this indicates the switcher is in bypass mode.	

Signal Flow description	
<p>Please refer to the drawing to the right.</p> <ul style="list-style-type: none"><li>A- Out to Radio- Plugs into the T-Harness supplied with the ALLSYNC XG; Yellow goes to the Backup camera IN to the radio side of the harness. Red/White goes to the Audio RCAs of the T-harness to the radio side of the harness.</li><li>B- In from the vehicle- Plugs into the T-Harness supplied with the ALLSYNC XG; Yellow goes to the backup camera vehicle side (signal FROM backup camera) of the T-harness. Red/White connects to the Audio RCAs going towards the CAR side of the T-harness. Note: <b>If the vehicle doesn't have a factory camera, plug aftermarket camera into yellow Factory AV RCA.</b></li><li>C- Input from External Source- The video will come in to the Yellow RCA labeled V1 and the audio will come into the 3.5mm jack labeled A1.</li><li>D- Input from External Source- The video will come in to the Yellow RCA labeled V2 and the audio will come into the 3.5mm jack labeled A2.</li></ul> <p>ALL PASS- No LEDs illuminated. When the radio is in any source other than REAR DVD or REAR AUX, this is the state the switcher will be in. Any audio or video information coming in from the vehicle will be passed through to the radio, i.e. USB, SAT etc. Information flow is from A to B.</p> <p>EXTERNAL SOURCE 1- LED 1 will be illuminated. When REAR DVD is selected, LED 1 will be lit and information from inputs C will be routed to the radio's audio and backup camera input. Information flow is from C to A.</p> <p>EXTERNAL SOURCE 2- LED 2 will be illuminated. When REAR AUX is selected, LED 2 will be lit and information from inputs D will be routed to the radio's audio and backup camera input. Information flow is from D to A.</p>	 <p>The diagram shows a rectangular unit labeled "NAV-TV SYNC AVSW". On the top edge, there are four RCA connectors. The left two are labeled "FACTORY AV (TO VEHICLE)" and the right two are labeled "AV out (TO RADIO)". An arrow labeled "B" points down into the leftmost connector, and an arrow labeled "A" points up from the rightmost connector. On the bottom edge, there are four connectors: two RCA connectors labeled "V1" and "V2", and two 3.5mm jacks labeled "A1" and "A2". Arrows labeled "C" and "D" point up into the "V1" and "V2" connectors respectively, and arrows labeled "C" and "D" point up from the "A1" and "A2" jacks respectively. A small schematic diagram of a switcher is shown on the right side of the unit.</p>



**Agreement:** End user agrees to use this product in compliance with all State and Federal laws. NAV-TV Corp. would not be held liable for misuse of its product. If you do not agree, please discontinue use immediately and return product to place of purchase. This product is intended for off-road use and passenger entertainment only