

NAV-TV

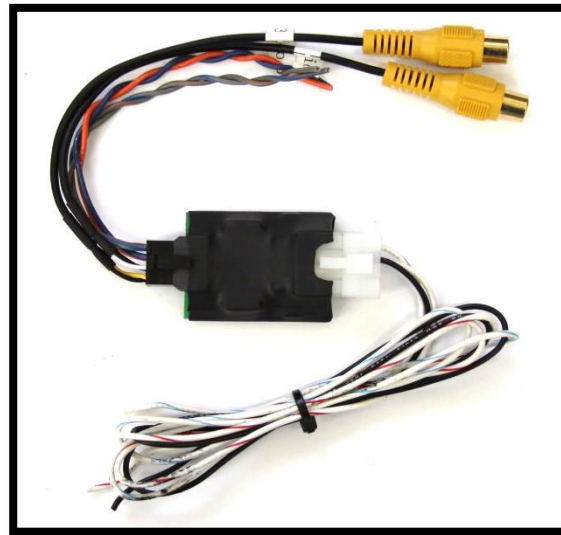
INTERFACING THE FUTURE

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VSW (Video Switcher)

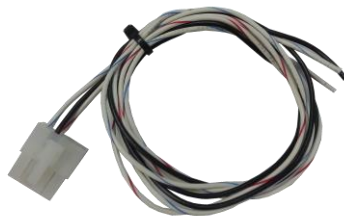
NTV-KIT436



Overview

The NAV-TV VSW is a composite to differential video converter and video switcher. It has a "pass through" for factory differential video rear view cameras and two composite video inputs. The VSW is used in Chrysler, Dodge, RAM, Ford and other vehicles that utilize the differential video standard for video or rear view camera input. The VSW, combined with the vehicle-specific NAV-TV integration module, allows the introduction of up to two different aftermarket cameras or other composite video sources into the factory LCD screen.

Kit Contents



Power Harness
NTV-HAR066



VSW Board
NTV-ASY187



Video I/O Harness
NTV-HAR300

Connector pin outs

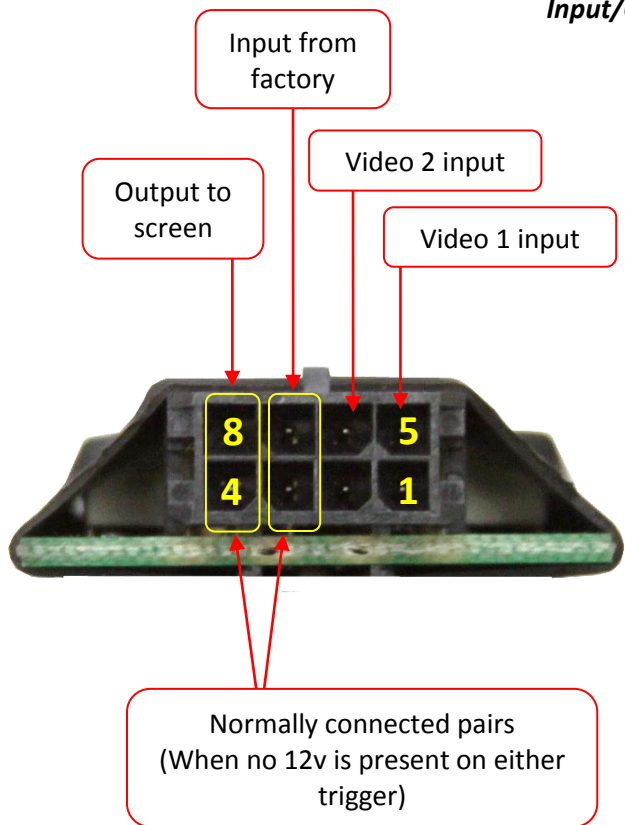
Power/Trigger Connector



PIN #	Description	Color
1	Video 2 Trigger	White/Blue
2	Video 1 Trigger	White/Red
6	Ground	Black

LED	Description
A	LED: When illuminated, Video 1 is active
A & B	LEDs: When both illuminated, Video 2 is active

Input/Output Connector



PIN #	Description	Color
1	RCA Video 2 input (-)	[Shield]
2	RCA Video 1 input (-)	[Shield]
3	Vehicle Video IN (-)	Orange
4	Radio Video OUT (-)	Gray/Orange
5	RCA Video 2 input (+)	White
6	RCA Video 1 input (+)	Green
7	Vehicle Video IN (+)	Dark Blue
8	Radio Video OUT (+)	Gray/Blue

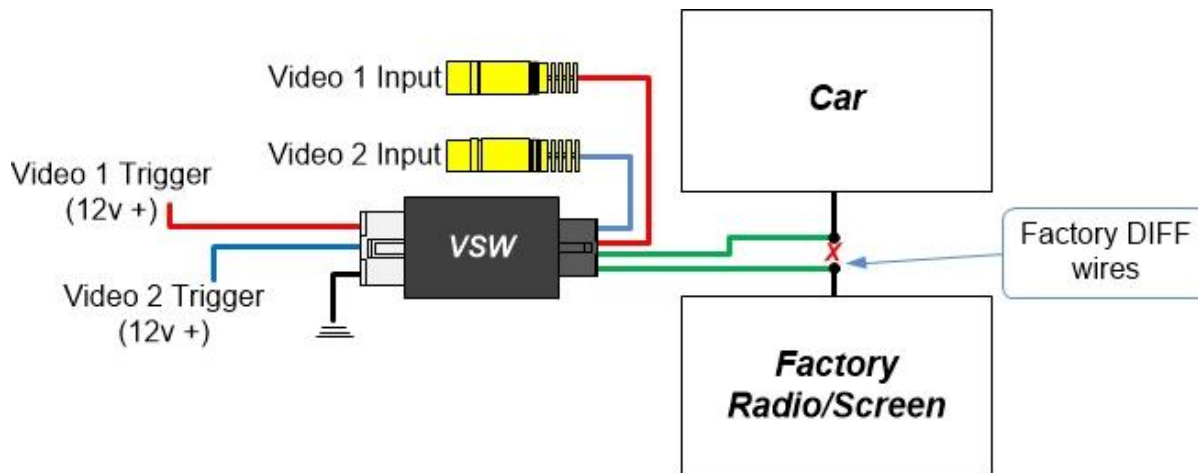
Installation Overview

Power/Trigger Harness:

Black: Ground

White/Blue: Supply 12v (+): Activates VIDEO 1

White/Red: Supply 12v (+): Activates VIDEO 2



- If the vehicle has a factory reverse camera that uses differential video wires (pair) for signal to the factory screen, you'll need to cut them in half. From the I/O connector, **solder pins 4 & 8** to the screen side and **pins 3 & 7** to the radio side.