

NAV-TV

INTERFACING THE FUTURE

3950 NW 120th Ave, Coral Springs, FL 33065 TEL 561-955-9770 FAX 561-955-9760
www.nav-tv.com info@nav-tv.com

BHM
02/04/14
NTV-DOC070

SYNC AVSW

NTV-KIT224



Overview

The SYNC AVSW adds 2 additional audio and video inputs to any factory radio with a single audio/video input, while retaining any currently connected A/V source. The additional sources are triggered with 12v (+) separately.

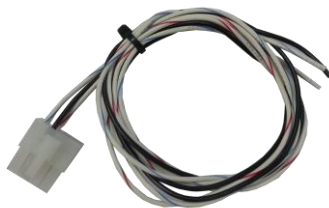
Kit Contents



(2x) RCA-3.5mm Audio Cable
NTV-CAB054



SYNC AVSW
NTV-ASY170



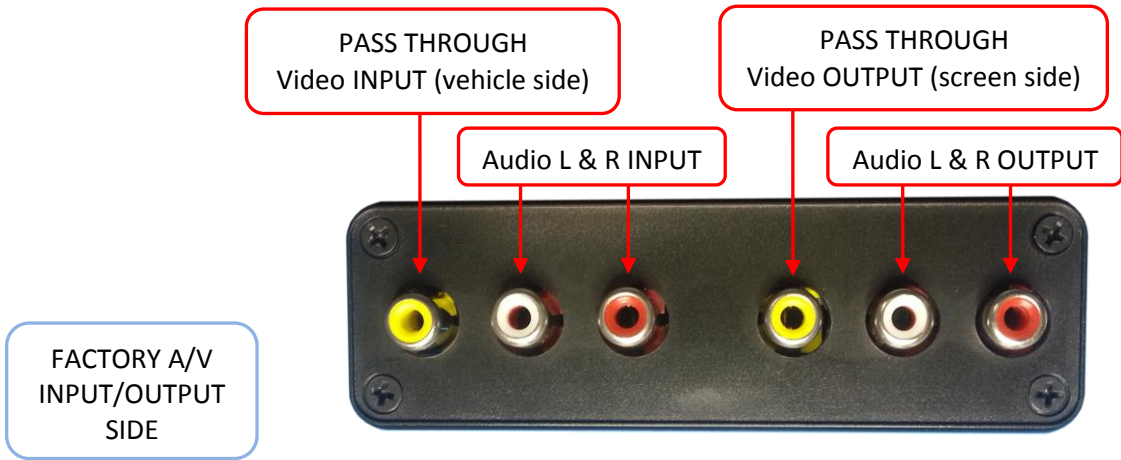
Power/Trigger Harness
NTV-HAR066



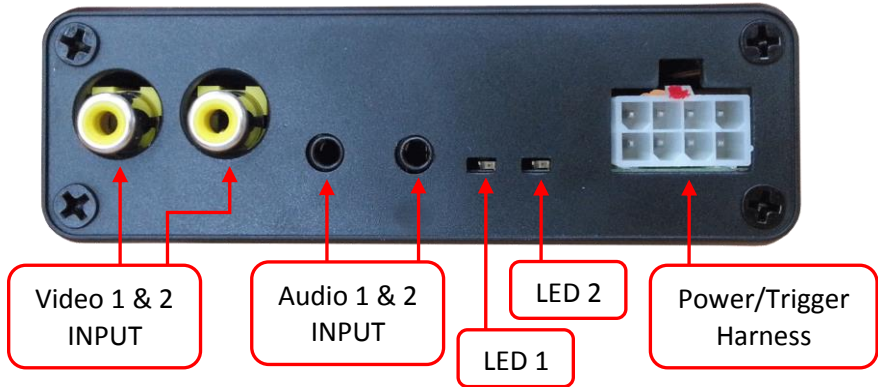
(3x) Barrel RCA connector
NTV-CON018

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.

AVSW Layout

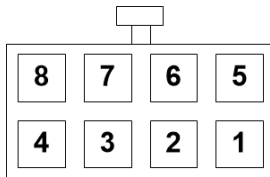


AUX A/V INPUT SIDE



AVSW Pin Out

Pin #	Description	Color
1	AV 1 Trigger (12v)	White/Blue
2	AV 2 Trigger (12v)	White/Red
6	Ground (-)	Black



Wire Side View

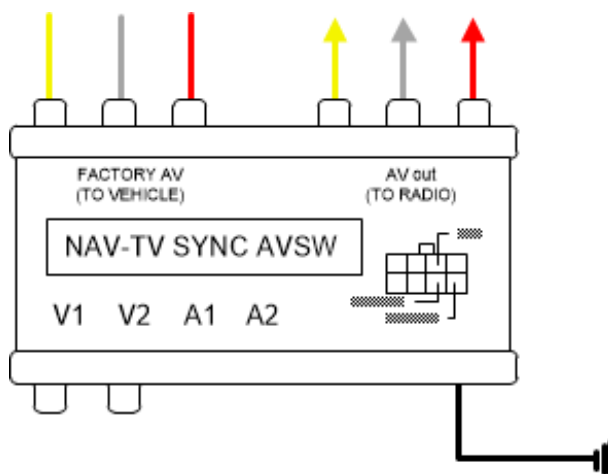


Agreement: End user agrees to use this product in compliance with all State and Federal laws. NAV-TV Corp. would not be held liable for misuse of its product. If you do not agree, please discontinue use immediately and return product to place of purchase. This product is intended for off-road use and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

AVSW Signal Flow Scenarios

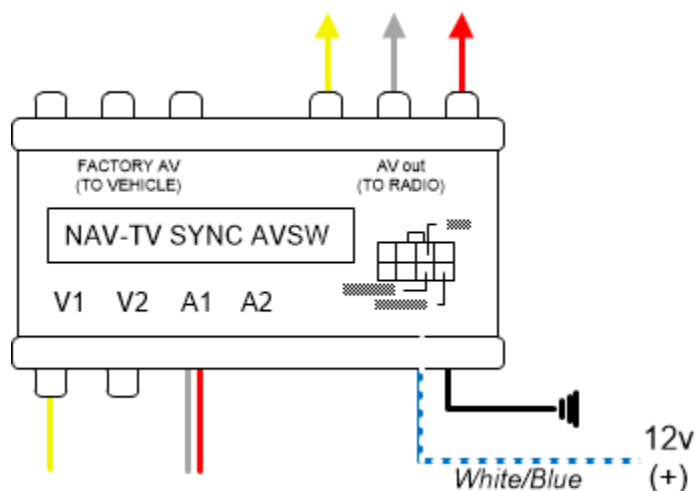
With no triggers connected (to 12v):

- A/V will pass normally from **'FACTORY AV'** to **'AV out'**
- **No LED's** will emit.



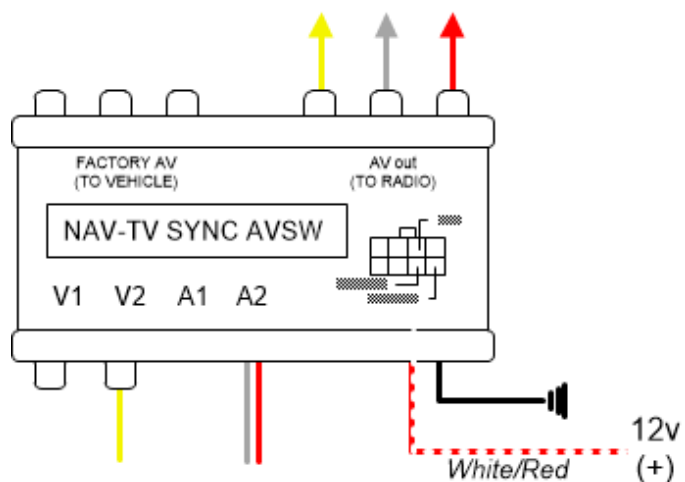
Supplying 12v (+) to AV1 trigger (Pin 1, White/Blue):

- A/V source from **'FACTORY AV'** will be disconnected and source will be pulled from **A1/V1** instead.
- **LED 1** emits green.



Supplying 12v (+) to AV2 trigger (Pin 2, White/Red):

- A/V source from **'FACTORY AV'** will be disconnected and source will be pulled from **A2/V2** instead.
- **LED 2** emits green.



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.

AVSW Installation

All information pertaining to connection is etched on top of the SYNC AVSW.

1. **FACTORY AV (TO VEHICLE):** Connects to the VEHICLE side of the NTV-KIT's T-Harness.

Yellow: Factory/Aftermarket Backup Camera.

Red: Right Audio output from car – i.e. RSE, AUX, USB

White: Left Audio output from car – i.e. RSE, AUX, USB

2. **AV out (TO RADIO):** Output to RADIO side of the NTV-KIT's T-Harness.

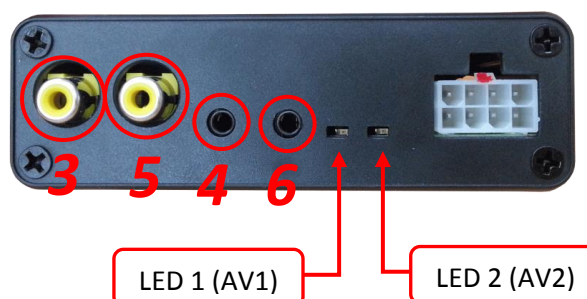
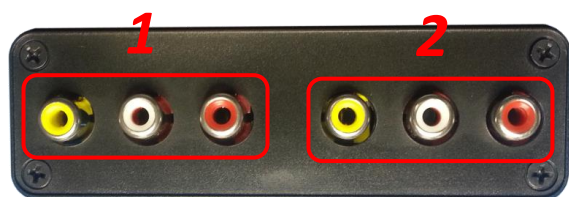
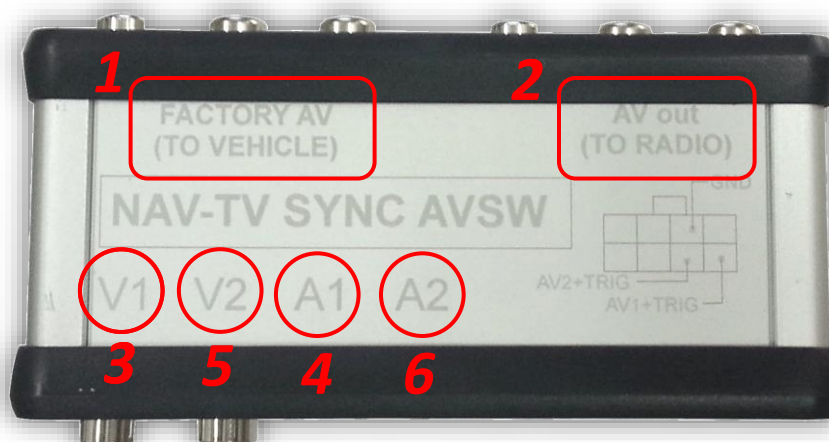
Yellow: Video output directly to screen.

Red: Right Audio out to radio.

Left: Left Audio out to radio.

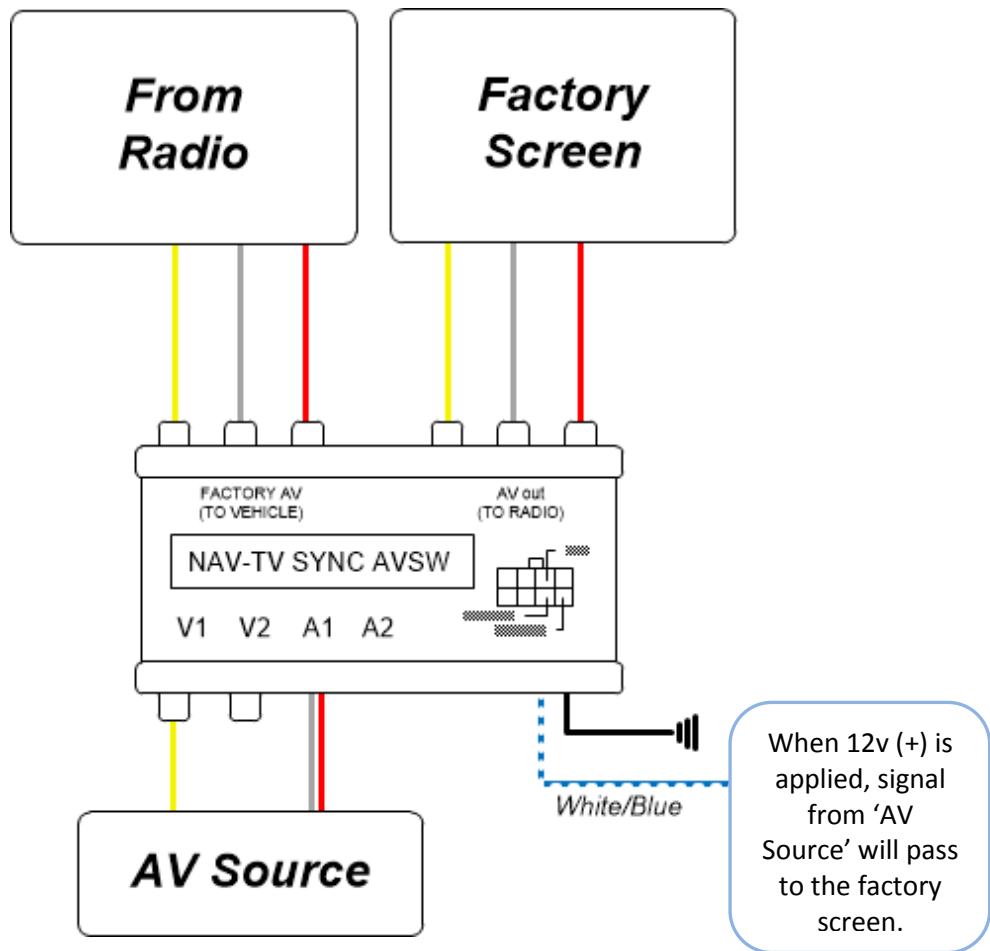
3. **V1:** Video input from external source 1 – displayed when the **White/Blue** is triggered with 12v (+).
4. **A1:** (3.5mm jack) Audio input from external source 1 – used when the **White/Blue** is triggered with 12v (+).
5. **V2:** Video input from external source 2 – displayed when the **White/Red** is triggered with 12v (+).
6. **A2:** (3.5mm jack) Audio input from external source 2 – used when the **White/Red** is triggered with 12v (+).

Whenever 12v (+) is present on either AV trigger (pin 1 or 2), audio/video from the factory system is isolated and signal is instead passed from AV1 or AV2.



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.

General Connection Diagram



NAV-TV
INTERFACING THE FUTURE
3950 NW 120th Ave, Coral Springs, FL 33065 TEL 561-955-9770 FAX 561-955-9760



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.