

NAV-TV

INTERFACING THE FUTURE

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Infiniti FX KIT

NTV-KIT185



Overview

The Infiniti FX kit allows the user to add up to 2 video inputs and a backup camera input to the factory media screen in select '07-'13 Nissan and Infiniti (non-NAV) vehicles. This kit requires connecting wires behind the radio and uses a Plug & Play harness behind the screen. The FX kit comes with an external toggle switch and forced rear camera action is an option if desired.

Kit Contents



Remote (menu adjustments)



Infiniti FX Interface



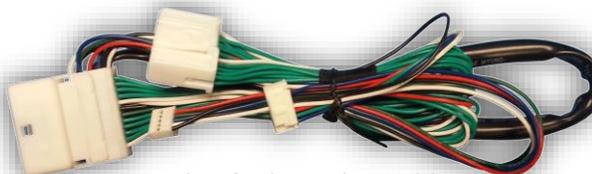
IR Eye Harness



Input Toggle Switch



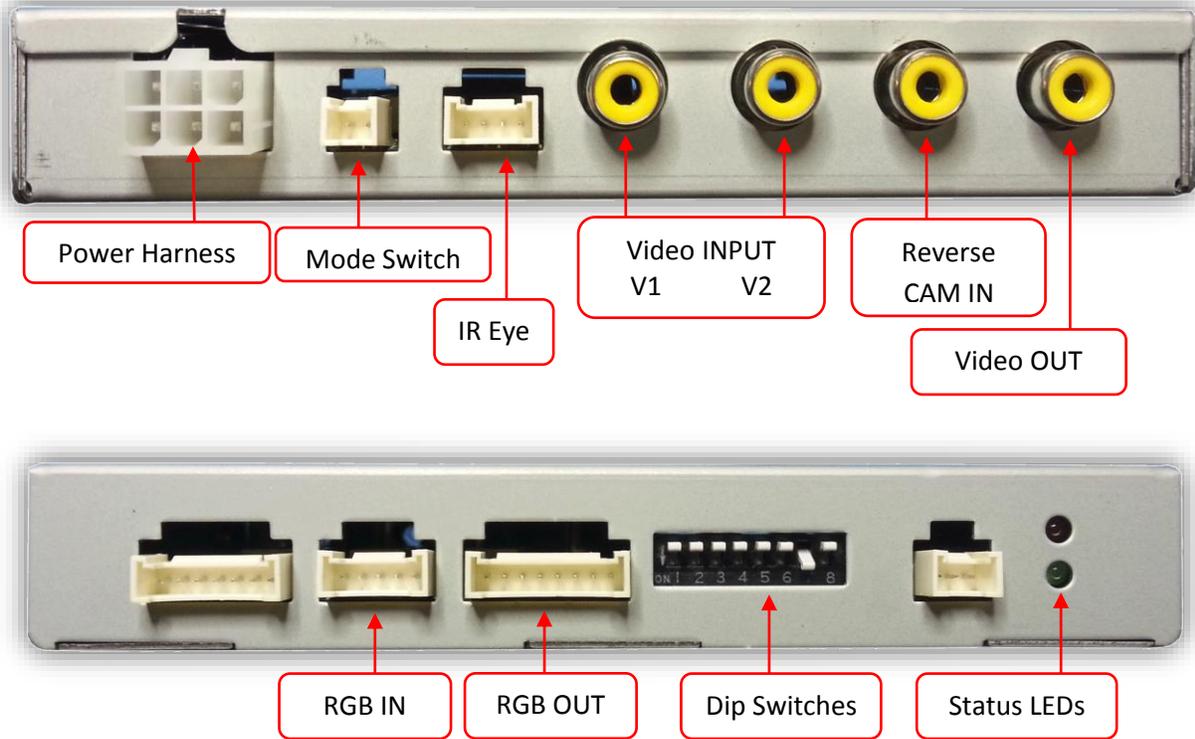
Power Harness



Plug & Play Video Cable

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.

FX KIT Interface Connectors



Dip Switch Settings*

Dip SW:	1	2	3	4	5	6	7	8
UP	Keep UP!	Enables V1	Enables V2	Leave UP	Leave UP	Resolution Type 1	OEM Reverse Camera	RGSB
DOWN	Keep UP!	Skips V1	Skips V2	Leave UP	Leave UP	Resolution Type 2	Aftermarket Reverse Camera	RGBS



***Note: after adjusting Dip Switches, you must disconnect and reconnect power to the interface or the change will not be implemented.**

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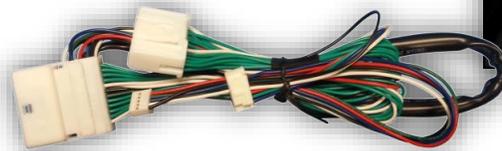
Installation

1. Disassemble the dashboard and remove the radio and the screen. This usually requires pulling panels and removing screws. Disconnect any harnesses from the radio and screen and set both aside.
2. From the provided FX KIT **Power harness**, connect the following wires to the car:

Wire color (FX KIT Harness)	Connect to Car
Black (GND)	Chassis Ground (-)
Red (ACC)	12v Accessory source (+)
Gray (rear)	Reverse light trigger (+)



3. From the provided **Plug & Play Video Cable**, connect the 24-pin (male end) to the monitor:
4. Connect the 24-pin (female end) from the same harness to the **factory** 24-pin (male) plug which was previously connected to the factory monitor.



5. You are now left with a 5-pin **OEM IN** plug and an 8-pin **RGB OUT** plug. Connect these (2x) plugs to the ports labeled **OEM in** and **RGB OUT** on the FX KIT Interface:



6. Connect your installed camera to the port on the FX KIT interface labeled **'R/V'**. If you're connecting additional inputs, refer to the dip-switch settings chart to skip/enable AV sources upon toggle switch presses (Optional, page 2).



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7. Connect the remote eye to the port labeled 'IR' and mount it in clear view of the driver (often it can be stuck inside a vent). This connection would be necessary if you want to be able to adjust anything from the FX KIT interface's menu.
 - a. **While in any AV mode other than factory** (on the display screen), press the **MENU** button for **Menu 1** , or hold the **left arrow** to enter **MENU 2**.
 - b. To switch between AV modes, press the '**OK**' button.
8. **Optional:** Connect the provided momentary toggle switch to the port on the FX KIT's interface labeled '**MODE**'. Pressing this switch with the ignition on will cycle the screen modes as follows: **factory screen > NAVI (RGB) > AV1 > AV2 > factory screen**.



9. Connect the provided **Power harness** to the FX KIT interface at the port labeled '**POWER**'. Start the car and test for proper functionality before replacing dash pieces.

10. Note: *All other included harnesses not mentioned in this manual are not needed for most installations. If you would like to know more about the full capability of this interface, contact NAV-TV tech support at 561-955-9770. Additional features not mentioned in this manual are not supported by NAV-TV at this time.*

FAQs

Q. I cannot switch A/V sources.

A. Check IR or toggle switch connection. Check the LEDs on the interface, if nothing is lit up with vehicle ignition, check power/ground connections.

Q. All I see on the display is a black screen (no factory image pass-through).

A. Make sure the video cables (IN/OUT) are connected at the proper location (Screen/Radio/NAV DRIVE).

B. Make sure the video cables are seated all the way.

C. Make sure Dip Switches 5 & 6 are set correctly (resolution or screen size).

Q. Displayed image color is not proper (too dim or color seems wrong).

A. Try to select 'INITIAL' in OSD menu.

Q. Rear camera image does NOT appear.

A. Make certain Dip Switch #7 in set **down** for aftermarket camera, or **up** for a factory camera.

B. Try swapping the CAN connection wires. This will not do damage, if it is hooked up wrong it will only not work.

C. Make certain the camera is properly powered. Check voltage **at the camera itself**.

D. Try an alternative video source, don't assume the power/ground is correct unless you've checked it **with a multi-meter!**

E. If this is a CAN-connected module and you've connected the CAN wires, try using the gray wire (*not all interfaces have this wire!*) instead of the CAN connection for reverse activation. You'll also need to change the **Rear Select** option in the **Menu of Factory (MENU 2)** under **UTIL** or **PARK**. Refer to step 9.

Q. Unwanted A/V mode is displayed upon a toggle press (A/V source switching order: OEM->RGB->AV1->AV2->AV3->OEM).

A. Check DIP Switch Setting. Refer to page 2.