

# NAV-TV

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BHM  
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NTV-DOC090

## CDR31 Kit

NTV-INT196 (MOD027)



### Overview

The CDR31 kit allows the user to add up to 3 video inputs and a backup camera input to the factory touch screen radio in select Porsches equipped with the CDR31 radio. This kit connects behind the radio **following a radio modification**. The kit comes with an external toggle switch and if desired, forced rear camera action is an option.

### CDR31 Interface Installation

1. From the CDR31 kit, gather the power harness. Connect the following wires to the car:
  - a. Connect the **black** wire to a solid chassis ground (-)
  - b. Connect the **red** wire to a 12v ACC (+ switched) source
1. Connect the **gray** wire to a (+) reverse signal. *When this wire receives 12v, the interface will display the video being fed to the RCA labeled 'R-CAM' on the AV-Harness. **The CAN wires will not function with this kit.***



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.

2. Connect the **LVDS cable** (already run into the radio from the modification) to the interface at the port labeled '**LVDS OUT**'. Connect the ground terminal to the nearest screw on the interface box.



3. Connect the **AV Input** cable to the port on the CDR31 interface labeled '**AV IN/OUT**'. If you're only connecting a reverse camera (and no other inputs), the signal input from the camera must connect to the RCA labeled '**R-CAM**'. Refer to the dip-switch settings chart to skip/enable AV sources upon toggle switch presses (optional. Page 2).



4. **Optional:** Connect the remote eye to the plug on the Power Harness labeled '**Remote**' and leave the eye 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 CDR31 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.



5. **Optional:** Connect the provided momentary toggle switch to the port on the CDR31 interface labeled '**MODE**'. Pressing this switch with the ignition on will cycle the screen modes as follows: **factory screen > NAVI (RGB) > AV1 > AV2 > AV3 > factory screen**.

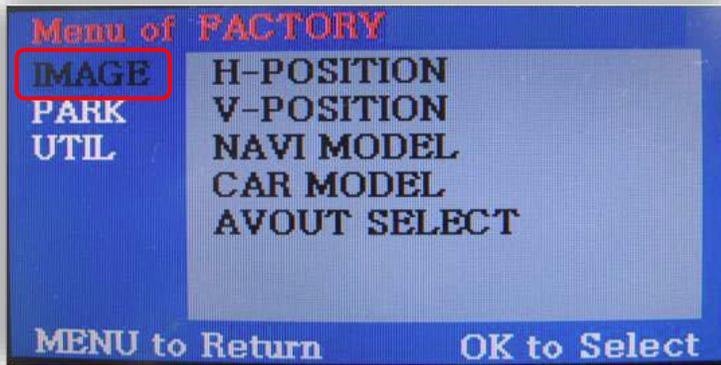


6. Connect the CDR31 **Power Harness** to the interface at the port labeled '**POWER/CAN**'. Start the car and test for proper functionality before securing the interface properly and replacing dash pieces.
7. **Note:** *All other included harnesses not mentioned in this manual are not needed for most 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.*

Menu Adjustments

Before you start:

- Make sure the car's ignition is on and radio is booted/settled
- You must be in 'NAVI' (RGB), 'AV1', 'AV2' or 'AV3' mode (on display screen)
- Use the remote 'OK' button to switch modes, or use the provided input toggle switch
- Hold the **LEFT ARROW** for 3 seconds. The **Menu of FACTORY** will appear on screen.

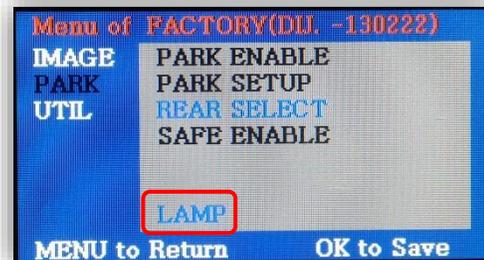
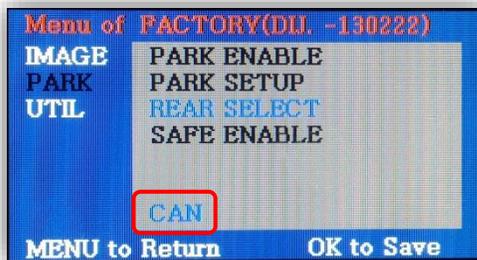


**IMAGE MENU**  
-The only setting that may need necessary adjustment here would be **CAR MODEL** (BMW/AUDI KITS)  
**Note: on some kits, this option is located under 'UTIL'**  
-The remaining settings are optional and install dependent.



**PARK MENU**  
**PARK ENABLE:** Rear-CAM guidelines ON/OFF  
**PARK SETUP:** Rear-CAM guideline positioning  
**REAR SELECT:** Change **rear camera activation** from CAN to LAMP (gray wire) **Note: on some kits, this option is located under 'UTIL'**  
**SAFE ENABLE:** If 'ON', prevents AV sources from showing (unless you ground **Blue 'PARKING' wire**)

1 **Rear-Select CAN to LAMP adjustment** 2



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