Installation Manual
(NAVRGB6.0-AR1-HDMI+HA12+IRR)
Honda Odyssey 1999-2004
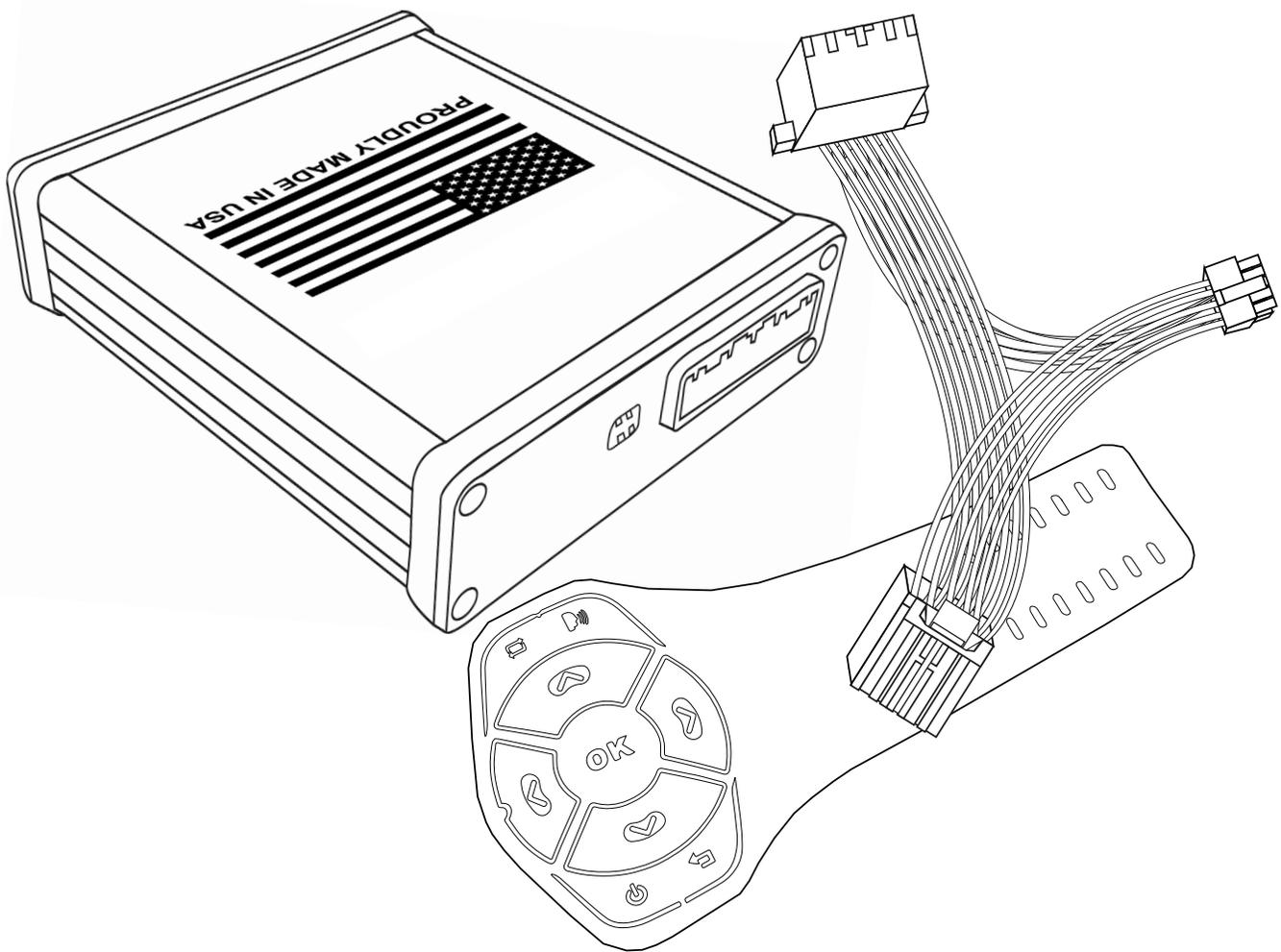
DESIGNED + MANUFACTURED IN THE
USA

Manual Version: 1.0

WELCOME

IMPORTANT WARNING

Failure to follow these instructions carefully or not installing the interface as described could cause damage to the vehicle or safety systems on the vehicle. Any interference with specific safety systems could cause harm to other people as well.

This manual provides detailed instructions for this specific interface and vehicle type. Follow them as described. If the installer is not sure or does not feel comfortable, consult a competent technician who has the knowledge, experience, and understanding of how to complete the installation. Failure to do so will void your warranty on your interface and maybe on the vehicle.

Precautions

PLEASE READ BEFORE YOU START THE INSTALLATION

• Please study these instructions carefully before installing the interface.

• Protect the areas of the vehicle you will be working on before starting the disassembly.

• Use painters' tape or equivalent, and use protective blankets or covers on the front seats, interior panels, and center console.

• Do not disconnect the battery if the vehicle has an anti-theft coded radio unless you have the radio code.

• Write down radio code here if applicable _____.

• If installing an external push button switch, go over the location with the vehicle owner and make sure it is in an accessible place.

• To avoid accidental battery drainage, turn off the interior lights or remove the dome light fuse.

• Roll down a window to avoid being locked out of the car.

• Set Parking brake.

• Remove the negative battery cable if necessary.

• Always secure the interface with Velcro or double-sided tape to prevent rattling or damage.

• Make sure that the panels fit correctly.

• Use electrical tape on all your connections and splices, do not leave any exposed wires.

• Route all wires along with factory harnesses. Do not drill or make any unnecessary holes.

• Always use the help of a professional installer to prevent any damage to the vehicle or the interface.
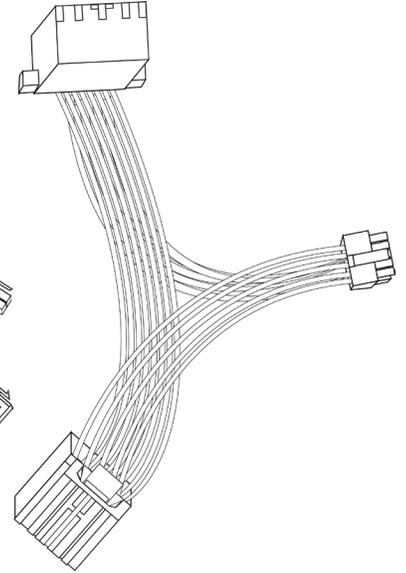
Interface
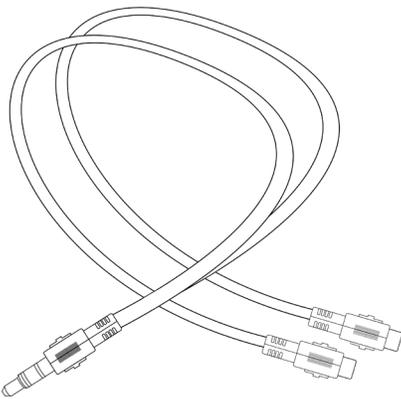(Part # NAVRGB6.0-AR1-HDMI)
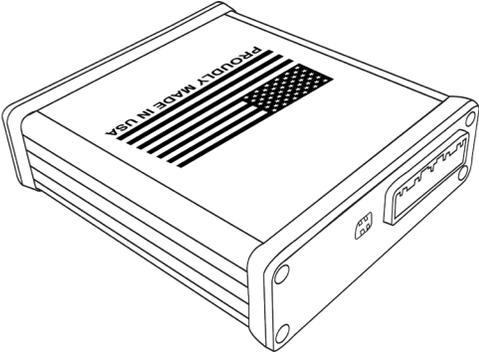
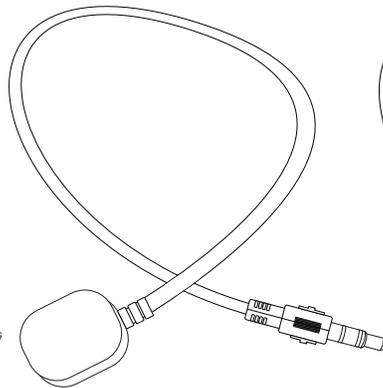Interface Harness
(Part # NT-WHNT6)
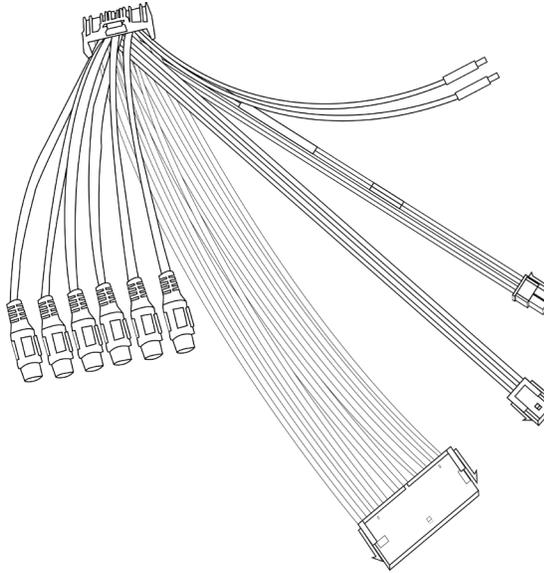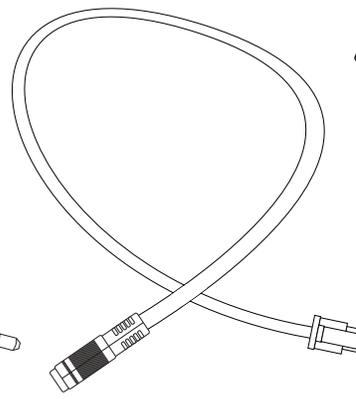
Vehicle Specific
Plug and Play Harness
(Part # NT-HA12)

AUX Cable
(Part # NT-AUX-35)

IR Receiver
(Part # NT-IRCTRL)

Remote In
(Part # NT-CMPCIR)

USB Configuration Cable
(Part # NT-USB-CNG)
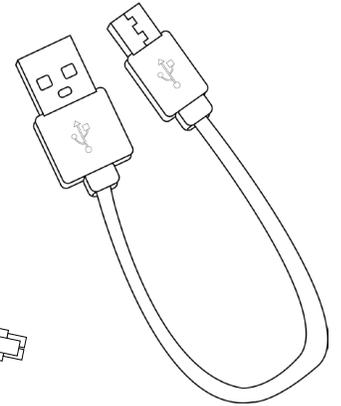
IR Remote
(Part # NT-RMCTRL)
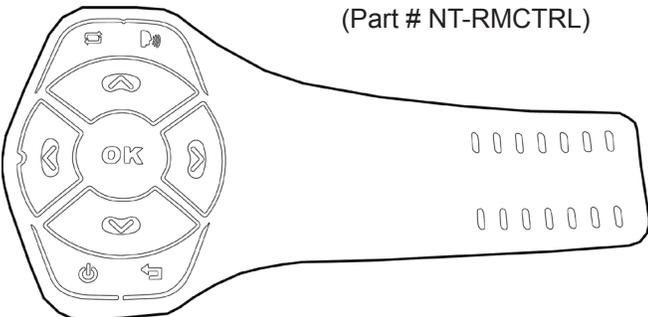
Stereo Cable Extension
(Part # NT-STR-CBLE-EXT)
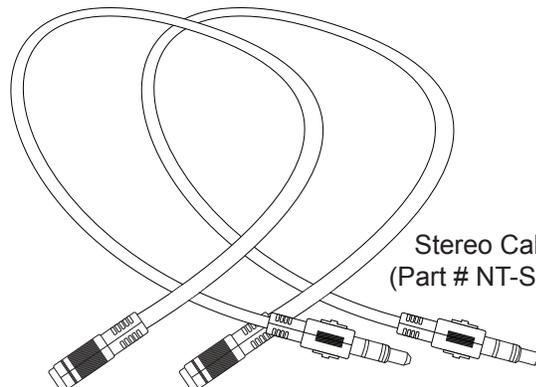
Interface Harness Diagram

**Interface Harness
(Part # NT-WHNT6)**
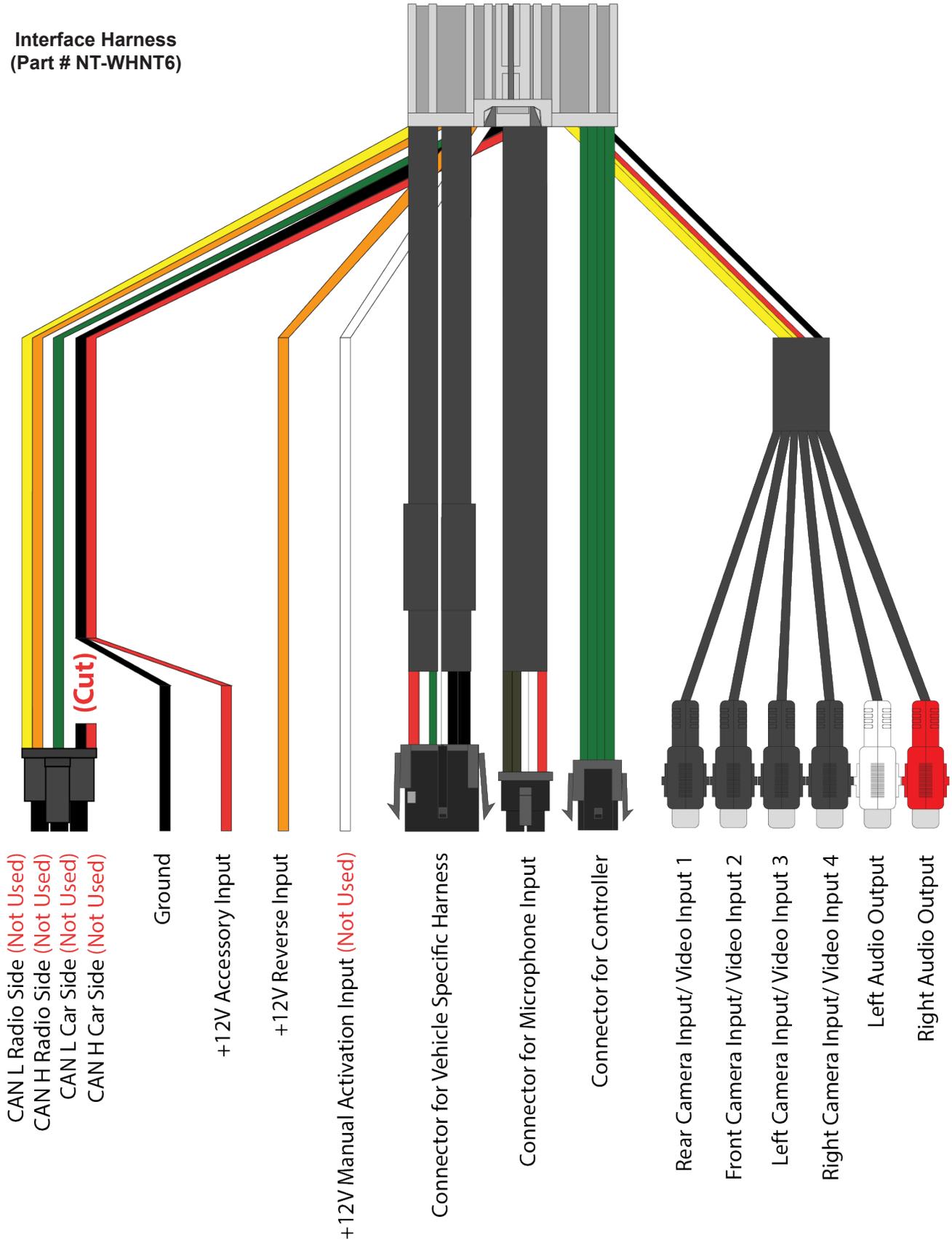
(Cut)

- CAN L Radio Side (Not Used)
- CAN H Radio Side (Not Used)
- CAN L Car Side (Not Used)
- CAN H Car Side (Not Used)
- Ground
- +12V Accessory Input
- +12V Reverse Input
- +12V Manual Activation Input (Not Used)
- Connector for Vehicle Specific Harness
- Connector for Microphone Input
- Connector for Controller
- Rear Camera Input/ Video Input 1
- Front Camera Input/ Video Input 2
- Left Camera Input/Video Input 3
- Right Camera Input/Video Input 4
- Left Audio Output
- Right Audio Output

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CAN L Radio Side- (Not Used)

CAN H Radio Side- (Not Used)

CAN L Car Side- (Not Used)

CAN H Car Side- (Not Used)

Ground- Black (ground) To vehicle (metal) body.

+12V Accessory Input- Connect this wire to the electric terminal controlled by the ignition switch (12 V DC) ON/OFF. Do not connect this lead to the power source terminals to which power is continuously supplied. If the lead is connected to such terminals, the battery may be drained. (See Installation Instructions section of the manual)

+12V Reverse Input- This is connected so that the interface can detect whether the vehicle is moving forwards or backward. Connect the orange wire to the wire whose voltage changes when the reverse gear is engaged.
(See Installation Instructions section of the manual)

+12V Manual Activation Input: (Not Used)

Connector for Vehicle Specific Harness- This connection is dedicated for connecting the vehicle specific plug and play wiring harness.

Connector for Microphone Input- This connection is dedicated to a factory or supplied microphone input.
(See Installation Instructions section of the manual).

Connector for Controller- This connection is dedicated to connecting the factory rotary/joystick or supplied IR Remote.

Rear Camera Input / Video Input 1- This input is dedicated for an aftermarket rearview camera or a video source with an RCA video output. Your vehicle's factory camera will continue to work as before without any changes. (If the vehicle is equipped with that option)

Front Camera Input / Video Input 2- This input is dedicated for an aftermarket front view camera or a video source with an RCA video output. Your vehicle's factory camera will continue to work as before without any changes. (If the vehicle is equipped with that option)

Left Camera Input / Video Input 3- This input is dedicated for an aftermarket left view camera or a video source with an RCA video output. Your vehicle's factory camera will continue to work as before without any changes. (If the vehicle is equipped with that option)

Right Camera Input / Video Input 4- This input is dedicated for an aftermarket right view camera or a video source with an RCA video output. Your vehicle's factory camera will continue to work as before without any changes. (If the vehicle is equipped with that option)
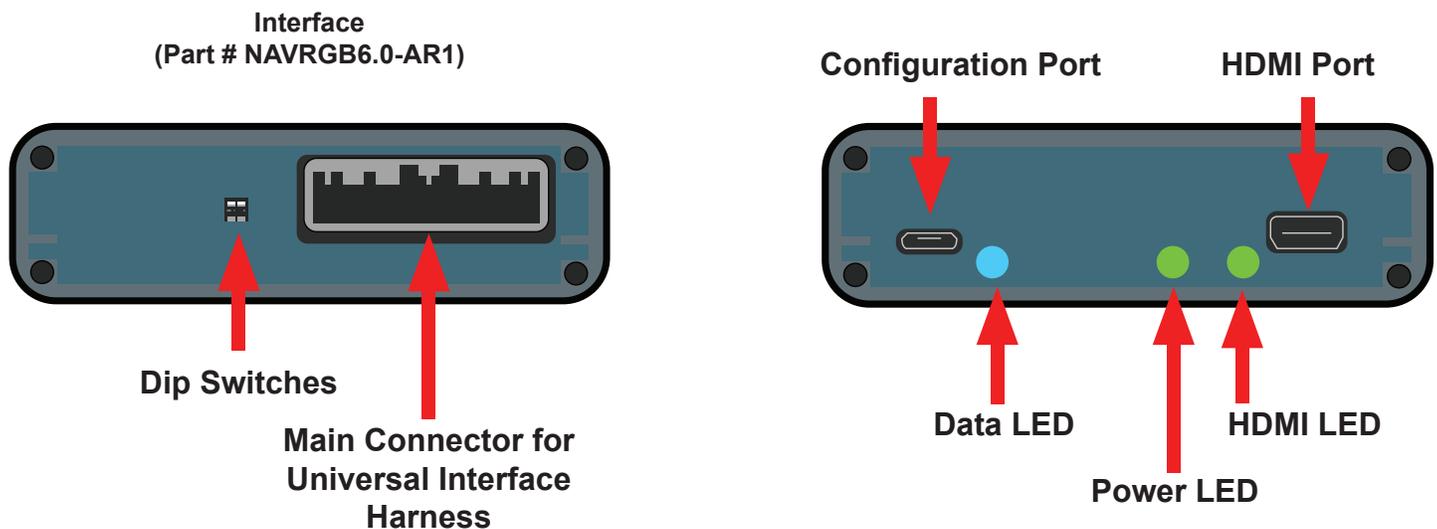
Left Audio Output- Connect the Audio output RCAs to the AUX input on the vehicle. If needed use either the extension cable or RCA to 3.5 mm jack adaptor (if supplied) to make the connections. (See Installation Instructions section of the manual).

Right Audio Output- Connect the Audio output RCAs to the AUX input on the vehicle. If needed use either the extension cable or RCA to 3.5 mm jack adaptor (if supplied) to make the connections. (See Installation Instructions section of the manual).

Interface Diagram and Description

Interface
(Part # NAVRGB6.0-AR1)

Configuration Port

HDMI Port

Dip Switches

Main Connector for Universal Interface Harness

Data LED

HDMI LED

Power LED

Main Connector for Universal Interface Harness- This port is dedicated for a connection of a universal wiring harness.

Dip Switches- Set dip switches to the ON or OFF position depending on what the manual tells you to. (See Installation Instructions section of the manual).

Configuration Port- This USB port is dedicated for the interface configuration only.

Data LED- Normal operation of the interface must have blue LED blinking. If the blue LED is not blinking, the interface is not receiving data from the vehicle and the interface will not operate properly.

Power LED- Normal operation of the interface must have a green LED ON. If the green LED is not ON, the interface is not receiving power and the interface will not work. Your vehicle radio may also stay OFF.

HDMI LED- Normal operation of the interface must have a green LED ON. If the green LED is not ON, the interface HDMI is not receiving power. If the green LED is not ON, the interface HDMI port will not work.

HDMI Port- This port is dedicated for connecting video sources such as iPhone mirroring, Android Mirroring, Apple TV, Roku, FireStick, Chromecast, PlayStation, Xbox, or similar devices.

Interface Configuration

NO SOFTWARE APPLICATION DOWNLOAD IS REQUIRED TO CONFIGURE THE INTERFACE.

To configure the interface, you must use Windows, Mac, or Google computer.

Windows computers must use the latest version of Google Chrome or Microsoft Edge browser.

Mac computers must use the latest version of the Google Chrome browser.

Google computers must use the latest version of the Google Chrome browser.

TO CONFIGURE THE INTERFACE, GO TO HTTPS://CONFIG.NAVTOOL.COM

Connect the interface to the computer using supplied USB Configuration Cable (Part # NT-USB-CNG)
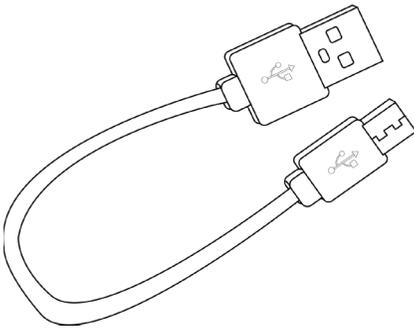
Configuration Port

To see a video of the configuration process
Scan QR-Code or go to
https://youtu.be/iES_rW240X0

SCAN ME

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Click

ON 1 2

Switches 1 and 2 UP

IR Receiver

Click

Click

(Cut)

Remote In

Click

Extension Cable

CAN L Radio Side (Not Used)
CAN H Radio Side (Not Used)
CAN L Car Side (Not Used)
CAN H Car Side (Not Used)

(See Next Page)

Ground

+12V Accessory Input

+12V Reverse Input

+12V Manual Activation Input (Not Used)

Click

Click

Extension Cable

Rear Camera Input/Video Input 1

Front Camera Input/Video Input 2

Left Camera Input/Video Input 3

Right Camera Input/Video Input 4

Click

(Not Used)

Click

Click

**Vehicle's
AUX Input**

Extension Cable

**Vehicle's Navigation
System Located
Under Front Seat**

**Do Not Connect
Behind Radio or
Behind Screen**

Factory Harness

Click

**10 Pin
Connector**

Click

**Vehicle Specific Harness
(Part # NT-HA12)**

Click

8

Step 1: Locate the vehicle's DVD-ROM Navigation System. (Disassembly may or may not be required depending on the car)

Step 2: Disconnect the Black 12 Pin Connector from the back of the Vehicle's Navigation System.

Step 3: Connect the female end of the Supplied Vehicle Specific Harness HA12 to your disconnected factory harness. Connect the male end of the Supplied Vehicle Specific Harness HA12 into the back of the Vehicle's Navigation System (where you disconnected the factory plug).

Step 4: Connect the 10-pin connectors on the Interface harness and the vehicle-specific harness HA12. (See Page 8).

Step 5: Cut off the Red (+12 Volts ACC) and Black (Ground) wires off the 6-pin plug on the interface harness (See Page 8) and connect directly to the 8-pin factory harness. (See the image shown below)

Step 6: Connect the Orange wire (+12 Volt Reverse Input) to the factory reverse wire in the 8-pin harness only if your are adding an aftermarket reverse camera. (See the image Shown below)

Step 7: Connect Red and White RCA jacks. Connect Red to Red. Connect White to White. Then plug the AUX jack into the vehicle's AUX input. (Use the supplied extension cable Part # NT-STR-CBLE-EXT if needed)

Step 8: Connect the IR remote input plug to the IR remote plug input on the interface harness (See Page 8). Place the IR receiver eye in an unobstructed location so the remote can be aimed at it when using the interface. (use the supplied extension cable if needed)

Step 9: Connect your aftermarket cameras or source to the video input RCAs, as needed.

Step 10: Ensure both dip switches are "UP" in the off position. Then plug the main interface harness into the interface. Plug your HDMI device into the back of the interface.
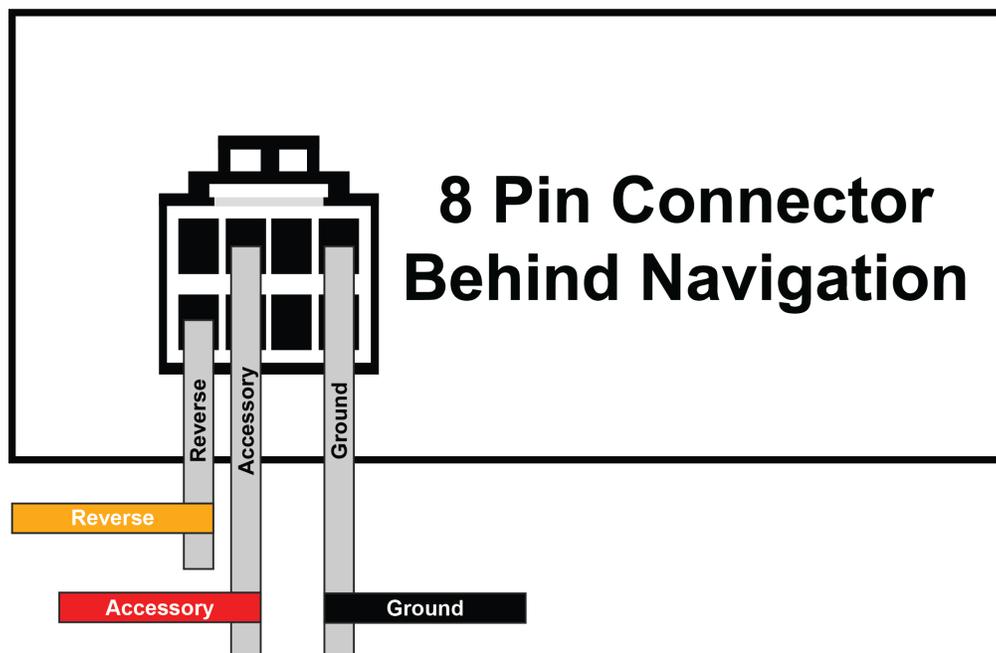
8 Pin Connector Behind Navigation

Power: Turns the interface ON/OFF

Back: Not Applicable

Left / Right: Navigates the interface

Up / Down: Not Applicable

OK: Enter/Select button

Voice: Not Applicable

Menu: Returns to the bottom interface menu bar after selecting HDMI or Camera Inputs

Testing Interface After Installation

HDMI Input

Data LED   **HDMI LED**

Power LED

Step 1: Start the vehicle, the interface should have one blinking blue LED and two steady lit green LED lights.

At this time, your car radio should boot up into its initial state, and the radio should be working. Please check that the radio operates appropriately. All radio functions are working, including CD, Satellite Radio, AM/FM radio, audio plays from car speakers, and all other radio features.

If the interface LED lights do not light up or are blinking red, make sure everything is connected properly.

**Step 2:** Set the vehicle's radio to AUX or an alternative AUX input device.

Interface audio will not play through car speakers if AUX is not connected or radio is not set to AUX input.

Step 3: Aim the remote at the IR receiver and press the power button to turn on and off the interface.

If the interface is not displaying on the screen please check that the led in the left arrow on the remote lights up when pressing any button. If it does not light up, check and replace the batteries as needed.
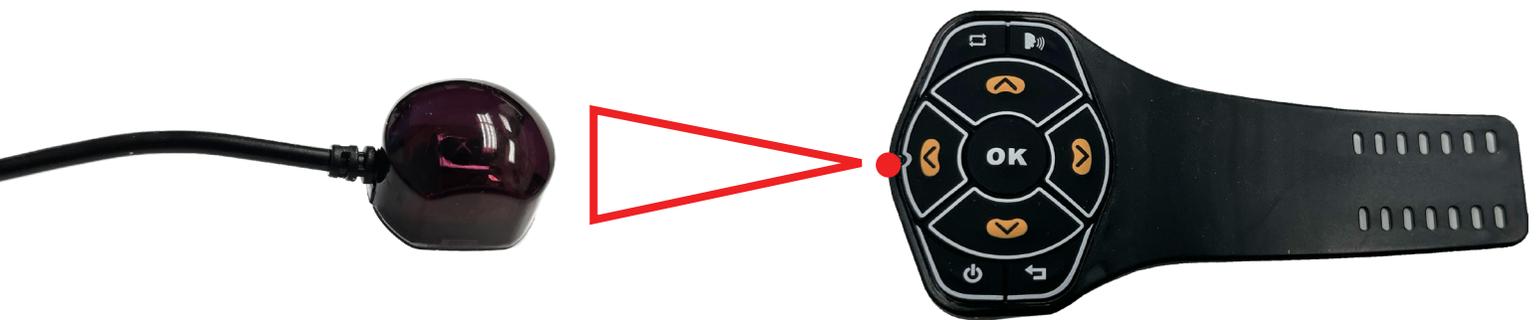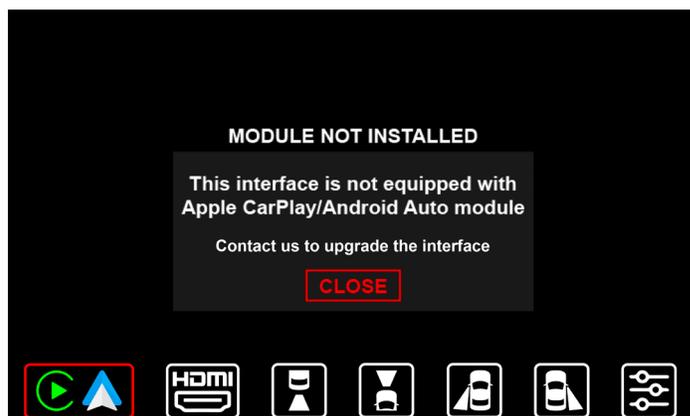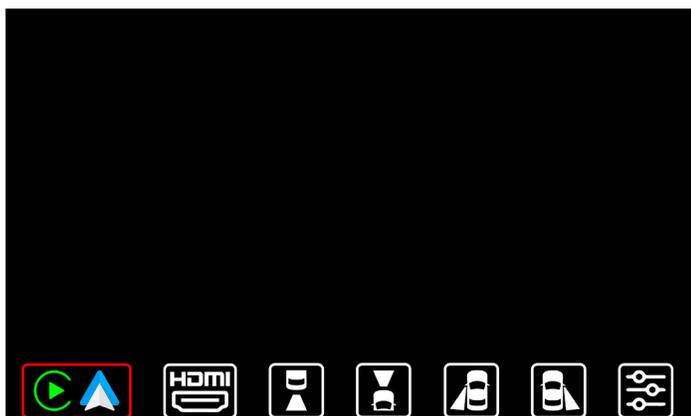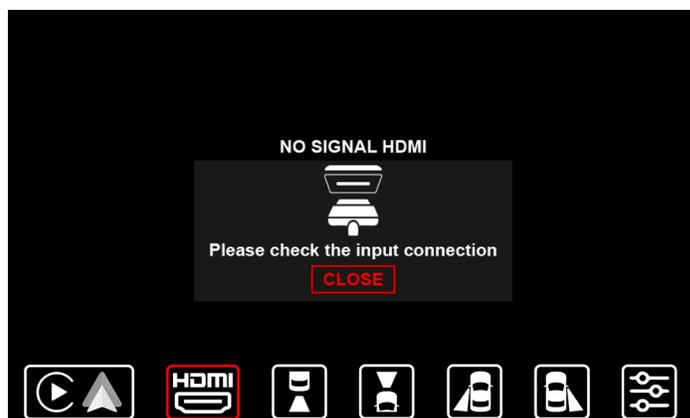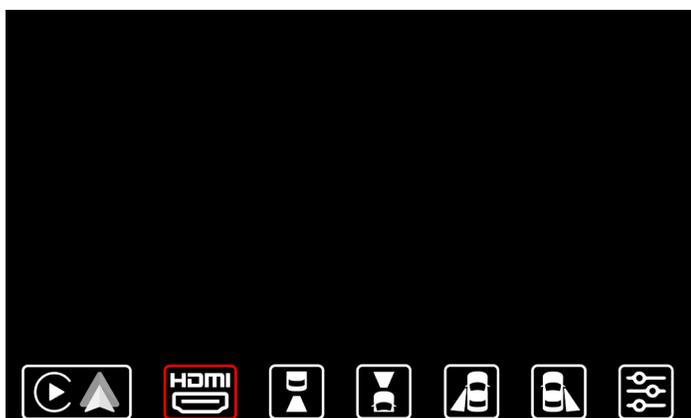
Apple CarPlay/Android Auto: (Not Applicable for HDMI Only Interface)

Pressing the OK button on the IR remote when selecting Apple CarPlay/Android Auto will have a Module Not Installed pop up message. Press the OK button again to exit out of the pop up message.

HDMI:

Press the Right button on the IR remote to navigate to HDMI. Select HDMI by pressing the OK button.
This will display the HDMI input of the HDMI device you connected to the interface.
Press the Menu button ⟳ to return to the bottom menu bar.

If no HDMI device is connected, you will get a No Signal HDMI pop up message. Press the OK button to exit out of the pop up.

Cameras / Video Input:

Press the Right button on the IR remote to navigate to Camera / Video Inputs. Press the OK button to view the selected input.
Selecting Camera / Video Inputs will let you see your aftermarket cameras / video inputs if installed.
Press the Menu button ⮂ to return to the bottom menu bar.

If your vehicle has factory cameras such as a factory rear view camera, you won't be able to manually view them from here.
It will still automatically display when putting the vehicle in reverse.

If the vehicle is equipped with CAN, aftermarket front camera will automatically show when in drive up to 5-10 mph,
and aftermarket left and right cameras will automatically show when activating left and right turn signals.
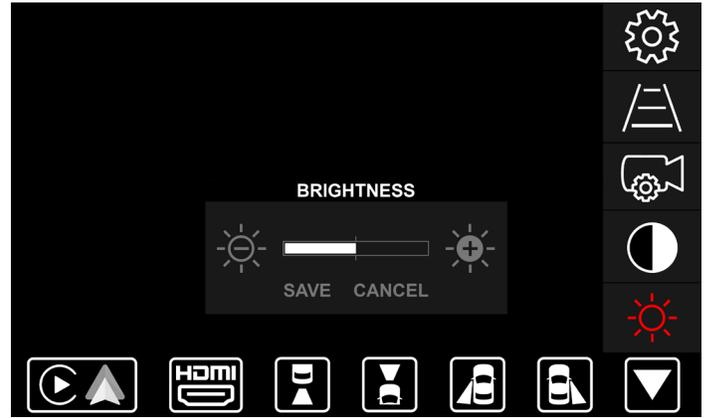

Settings:

Press the Right button on the IR remote to navigate to Settings. Press the OK button to access different interface settings.
A drop down menu bar will appear. This menu includes Brightness, Contrast, Camera, Parking Line, and Miscellaneous Settings.

Navigate the Settings Menu Bar with the left and right buttons on the IR remote. **(Up and Down Buttons do not apply)**

Access to the bottom interface menu bar will not be available while the Settings Menu is open.
Navigate to the Down Triangle and press OK to return to the bottom interface menu bar.

Settings > Brightness: (Up and Down Buttons do not apply)

After selecting Settings on the bottom menu bar, press the Right button on the IR remote to navigate to Brightness.
Press the OK button. The brightness menu will appear. The white bar in the middle shows the brightness level of the interface.
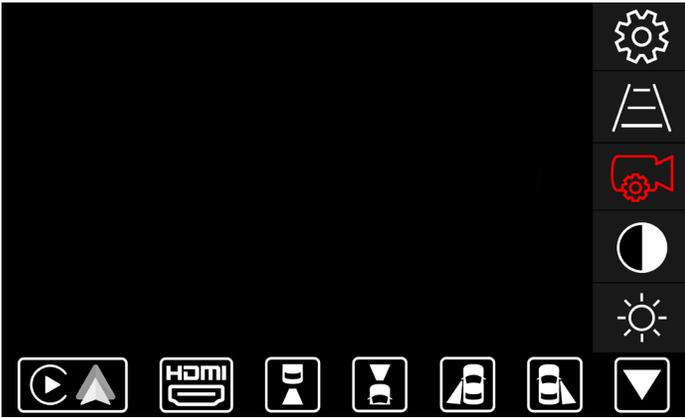
Press the Left and Right buttons on the IR Remote to navigate to +Brightness, -Brightness, Save, and Cancel.
Press the OK button to select. Press OK multiples times to increase or decrease the brightness. Save or cancel your changes.
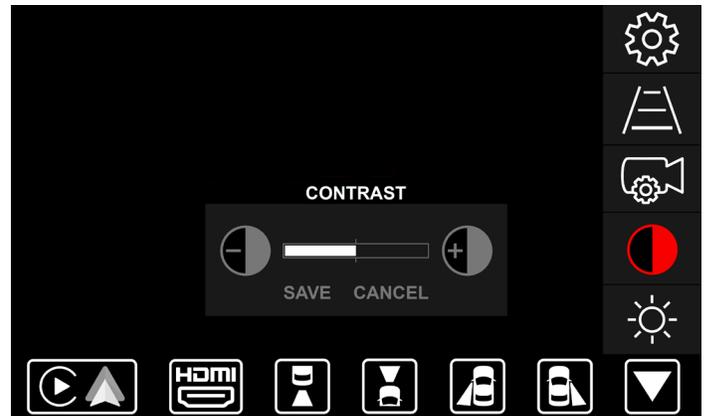
Settings > Contrast: (Up and Down Buttons do not apply)

After selecting Settings on the bottom menu bar, press the Right button on the IR remote to navigate to Contrast.
Press the OK button. The contrast menu will appear. The white bar in the middle shows the contrast level of the interface.

Press the Left and Right buttons on the IR Remote to navigate to +Contrast, -Contrast, Save, and Cancel.
Press the OK button to select. Press OK multiples times to increase or decrease the contrast. Save or cancel your changes.

INPUTS	FACTORY CAMERA	VIDEO INPUT	AFTERMARKET CAMERA	PARKING LINES
[rear]	●	○	○	
[front]	○	●	○	○
[left]	○	●	○	○
[right]	○	●	○	○
			SAVE	CANCEL

Settings > Camera Settings: (Up and Down Buttons do not apply)

After selecting Settings on the bottom menu bar, press the Right button on the IR remote to navigate to Camera Settings.
Press the OK button to enter Camera Settings. The Camera Settings Menu will appear.

Press the Left and Right buttons on the IR Remote to navigate to:
Rear Camera, Front Camera, Left Camera, Right Camera, Save, and Cancel

Press the OK button on the selected Camera Input to:
Cycle through Factory Camera, Video Input, Aftermarket Camera, and Parking Lines.

Set each of your Camera / Video Input Settings to what you have installed in your car. Save or Cancel your changes.
Factory Camera- if your vehicle has a factory camera.
Video Input- if you have no camera installed, have a factory 360 degree camera installed, or video input connected.
Aftermarket Camera- if you have aftermarket cameras installed.
Parking Lines- if you want parking lines shown on your aftermarket cameras.

If your vehicle has factory 360 degree parking cameras, set Rear Camera to factory, set Front, Left, Right cameras to Video Input.
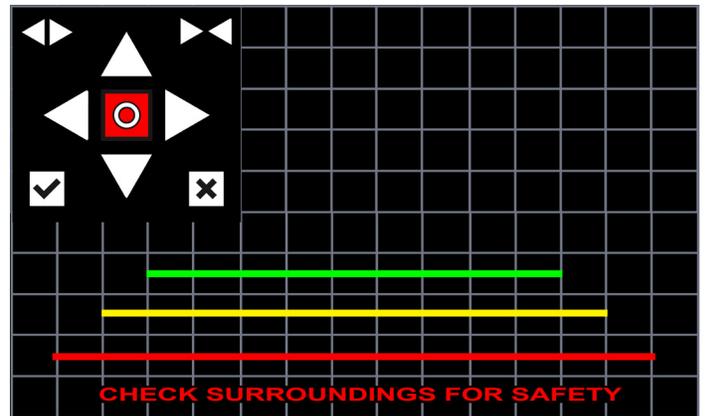
Settings > Parking Line Settings: (Up and Down Buttons do not apply)

Step 1: Select the camera input you want to make changes to on the bottom interface menu bar.
Step 2: Press the Right button on the IR remote and navigate to Settings. Press the OK button. The Settings Menu bar will appear.
Step 3: Press the Right button on the IR remote and navigate to Parking Line Settings. Press the OK button.

**The Parking Line Settings menu will appear.**
The colored square in the middle is the color parking line that is being adjusted.

Press the Left and Right buttons on the IR Remote to make adjustments to:
Change Color, Move Up, Move Down, Move Left, Move Right, Increase Line Width, Decrease Line Width, Save, and Cancel.

Press the OK button to select.
Each press adjusts the selected parking line. Save or Cancel your changes.
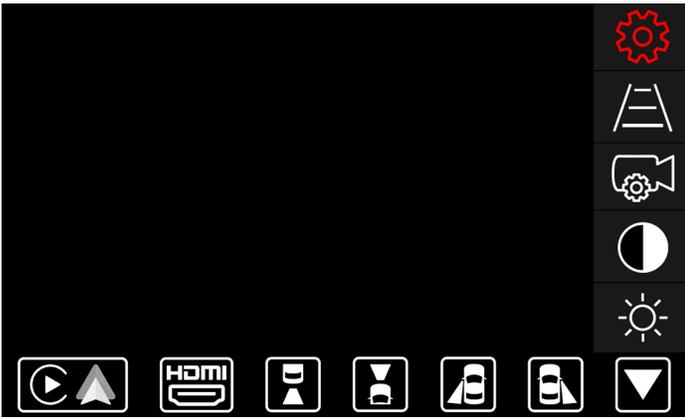
MISCELLANEOUS SETTINGS	ON	OFF
APPLE CARPLAY / ANDROID AUTO (AUTO ON MODE)	◯	◯
INTERFACE AUDIO SOUND	◯	◯
MANUAL ACTIVATION WIRE AS REVERSE TRIGGER +12V	◯	◯
	SAVE	CANCEL

Settings > Miscellaneous Settings (Up and Down Buttons do not apply)

After selecting Settings on the bottom menu bar, press the Right button on the IR remote to navigate to the Settings Gear. Press the OK button to enter Miscellaneous Settings. The Miscellaneous Settings Menu will appear.

Press the Left and Right buttons on the IR Remote to navigate to:
Apple CarPlay / Android Auto (Auto On Mode), Interface Audio Sound, Manual Activation Wire, Save, and Cancel

Press the OK Button to:
Turn ON the selected settings. Press the OK button again to turn OFF the selected setting. Save or Cancel your changes.

Apple CarPlay / Android Auto (Auto On Mode) (Not Applicable for HDMI Only Interface)

Turn ON- if you want to immediately enter Apple CarPlay/ Android Auto when activating the interface.

Turn OFF- if you want to enter the interface menu screen when activating the interface

Interface Audio / Chirp Sound

Turn ON- if you want to hear the audio feedback sound when the interface is activated and when a phone is paired to the interface.

Turn OFF- if you do not want to hear the audio feedback sound when the interface is activated and when a phone is paired to the interface.

Manual Activation Wire as Reverse Trigger +12V (Not Applicable for HDMI Only Interface)

Turn ON- if the white +12V wire on the harness is needed to trigger the rear view camera. Do not change this setting unless done by an installer or if your manual tells you to.

Turn OFF- if the white +12V wire on the harness is not needed to trigger the rear view camera. Do not change this setting unless done by an installer or if your manual tells you to.

Vehicle Reassembly Checklist

When performing vehicle reassembly, please make sure to go over the list and checkoff check mark boxes:

- [ ] Check to see if all connectors behind the screen, radio, HVAC etc. were reconnected.

- [ ] Check that LCD screen shuts off with the key off, and turns back on with the key on.

- [ ] Check touchscreen operation.

- [ ] Check Heat and AC controls operation.

- [ ] Check AM/FM/SAT radio reception.

- [ ] Check CD player/changer operation.

- [ ] Check GPS signal reception.

- [ ] Check cigarette lighter or +12V power source for accessory or constant power.

- [ ] Check to see if any other panels that were removed during installation and now being reassembled have all and any electrical connectors reconnected.

- [ ] Turn on parking light and check all dashboard lights operation.

- [ ] Check all panels for proper fitting.

Set the vehicle's radio to AUX or an alternative AUX input device.

Interface audio will not play through car speakers if AUX is not connected or radio is not set to AUX input.

Aim the remote at the IR receiver and press the power button to turn on and off the interface.

If the interface is not displaying on the screen please check that the led in the left arrow on the remote lights up when pressing any button. If it does not light up, check and replace the batteries as needed.
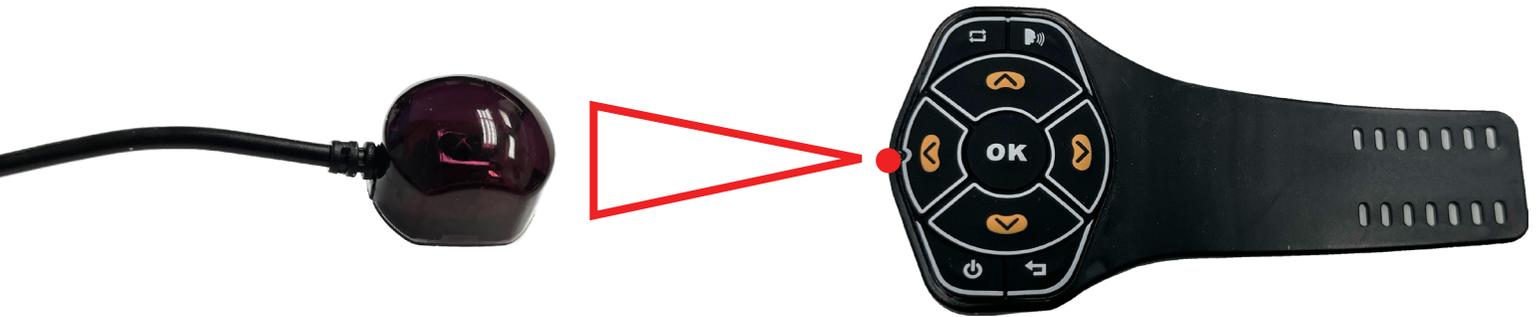
Power: Turns the interface ON/OFF

Back: Not Applicable

Left / Right: Navigates the interface

Up / Down: Not Applicable

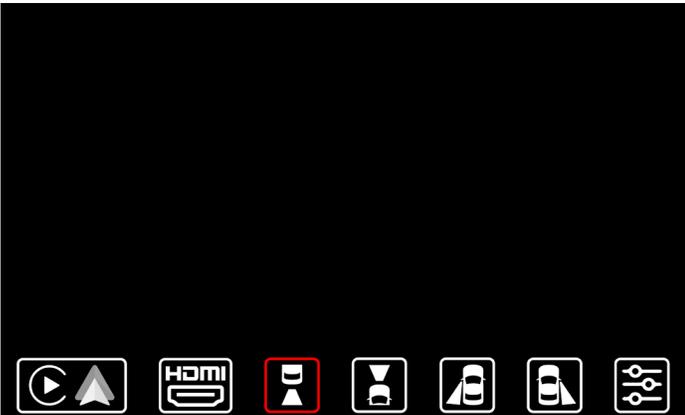**OK:** Enter/Select button

Voice: Not Applicable

Menu: Returns to the bottom interface menu bar after selecting HDMI or Camera Inputs

HDMI:

Press the Right button on the IR remote to navigate to HDMI. Select HDMI by pressing the OK button.
This will display the HDMI input of the HDMI device you connected to the interface.
Press the Menu button 🔁 to return to the bottom menu bar.

If no HDMI device is connected, you will get a No Signal HDMI pop up message.
Press the OK button to exit out of the pop up.

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