

# InCarTec

## 27-228

Camera Adapter for OEM Nissan with Nissan audio system 32 pin connector



COMPONENT LIST ----- 1

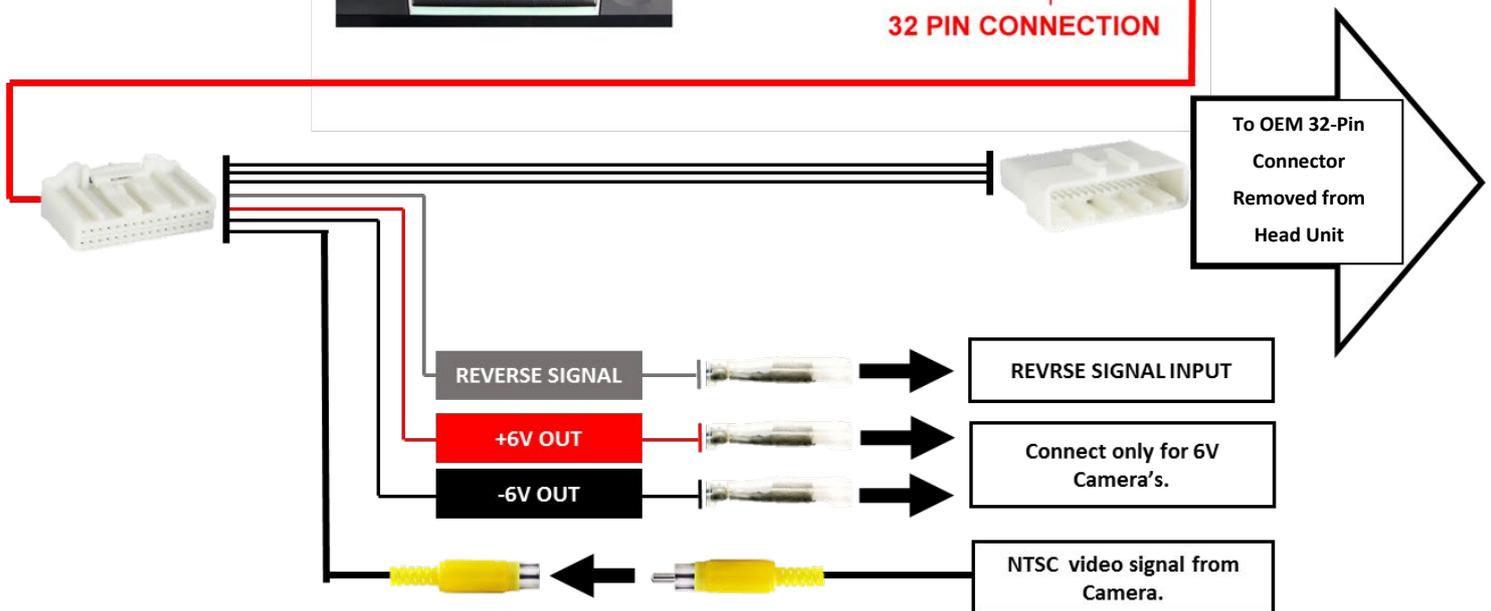
INSTALLATION DIAGRAM/ INSTRUCTIONS ----- 2

ADJUSTING PARKING LINES ----- 3

CHECKING CAMERA ACTIVATION SIGNAL ----- 5

### Component List

Part Number	Component	Image
27-228	Camera adapter	



## Installation Instructions

1. Ensure the vehicle's ignition is off and the key has been removed.
2. Remove the standard Head Unit with reference to the manufacturer's instructions.
3. Disconnect the 32-pin from the rear of the Head Unit.
4. Connect the 32-pin female connector of **27-228** to the connector just removed from the Head Unit.
5. Connect the male 32-pin of **27-228** connector to the Head Unit.
6. Connect the grey reverse signal wire to the 6V reversing lights circuit. **Only connect the red and black 6V wires if the camera being using needs an 6V power supply.**
7. Test the camera fully before re-installing the Head Unit

## Adjusting Parking Lines

Once the aftermarket rear view camera has been installed, the car monitor will display static and dynamic parking lines over the image. On some monitors, depending on car equipment, there may only be static lines.

**Static lines** – lines with colored indicators that show distance to obstacles.

**Dynamic lines** – lines that turn in conjunction with the steering wheel.

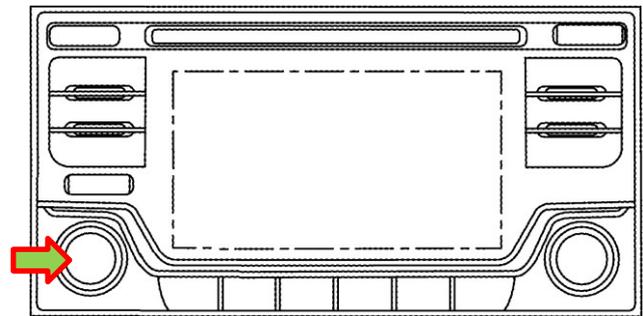


Depending on the cameras view angle and the place it is installed, the parking lines may not be accurate and will then need to be adjusted in the diagnostic menu of the car radio.

**Note!** InCarTec is not liable for any damage or incorrect equipment operation due to improper installation. Below is the procedure for entering the car radio diagnostics menu to adjust the lines if needed. Follow the instructions **precisely** to avoid complications or damage. If such complications occur, turn off the car radio. To do that, remove the front panel of the radio and disconnect all wires for several minutes.

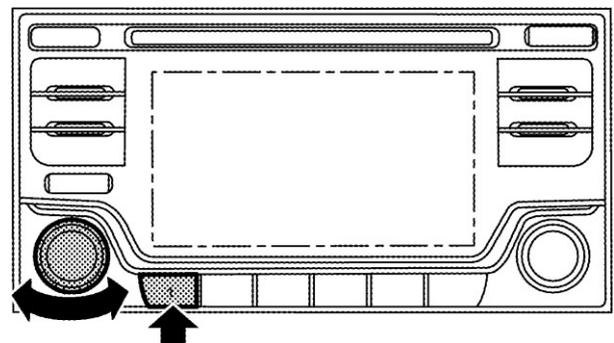
Press the car radio sound button .  
**Audio OFF** pop-up message should appear at the bottom of the screen.

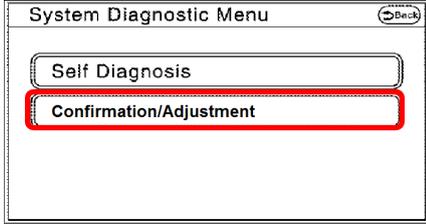
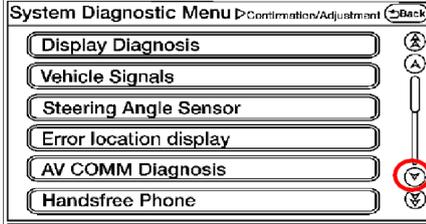
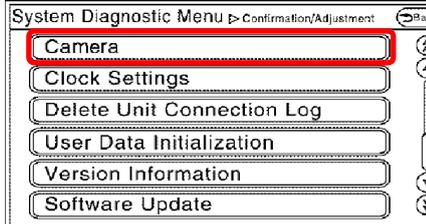
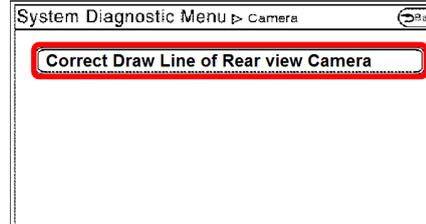
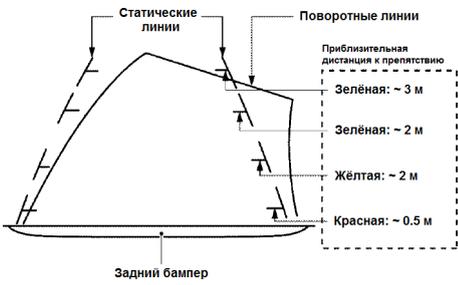
**Note!** Depending on your car radio model, various buttons may differ from those shown on the picture.



1. Press and hold the **1** button.
2. While holding the **1** button, turn the sound adjustment button clockwise, then counter-clockwise, 15 or more times.

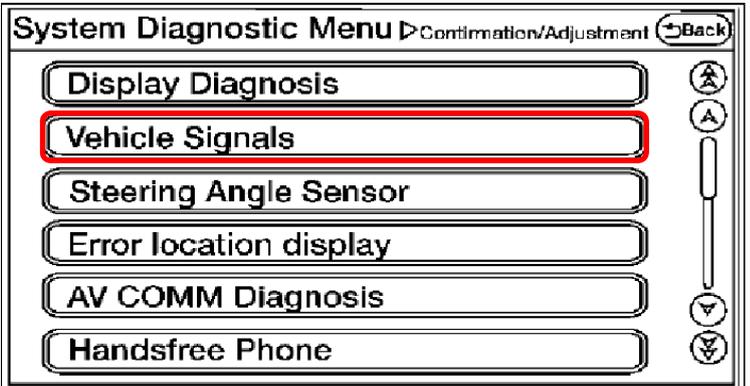
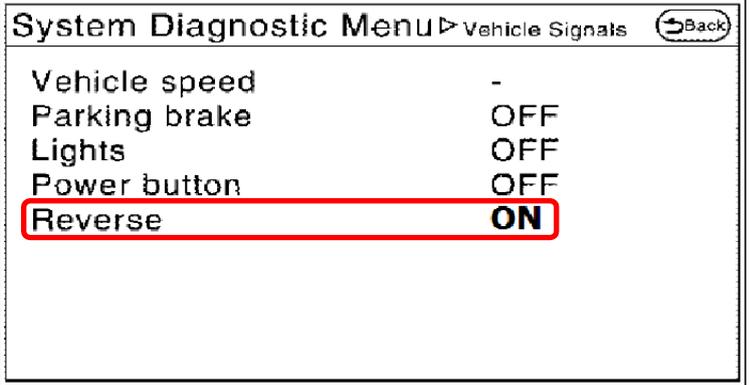
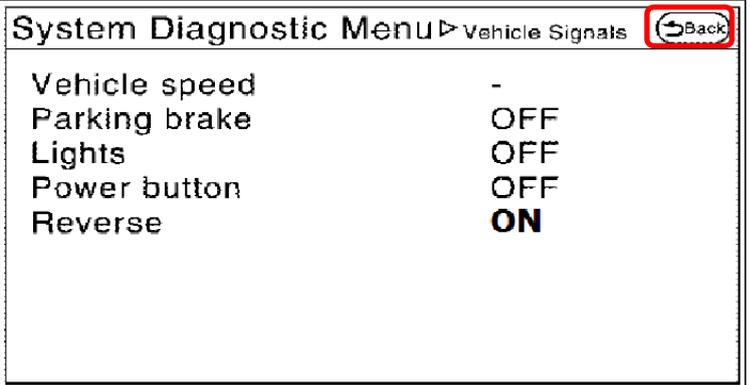
**Note!** Depending on your car radio model, the **INFO** or **MAP** button may be in the top right corner.



<p>Choose the <b>Confirmation/Adjustment</b> option in the menu that appears.</p> <p><b>Note!</b> In some cases you may not manage to enter the diagnostics menu on your first try, just try doing it again if it didn't work.</p>	
<p>Move to the next page of the service menu using the Down button.</p> <p><b>Note!</b> Depending on your car radio model and its software version, some menu options may be placed and/or called differently.</p>	
<p>Choose the <b>Camera</b> option in the menu that appears.</p> <p><b>Note!</b> Depending on your car radio model and its software version, some menu options may be placed and/or called differently.</p>	
<p>Choose the <b>Correct Draw Line of Rear View Camera</b> option in the menu that appears</p> <p><b>Note!</b> Depending on your car radio model and its software version, some menu options may be placed and/or called differently.</p>	
<p>Image from the connected camera will be activated with OSD buttons for adjustment of parking lines and camera image. Align parking lines relative to the center of the image and adjust the lines accordingly.</p>	
<p>Place various obstacles on specified distances behind your car and make required adjustments.</p> <p><b>Note!</b> In case rear view camera was installed near/above the license plate or into the license plate backlight, the rear bumper will not be visible on the camera image.</p>	 <p>Статические линии — Поворотные линии</p> <p>Приблизительная дистанция к препятствию</p> <ul style="list-style-type: none"> <li>Зелёная: ~ 3 м</li> <li>Зелёная: ~ 2 м</li> <li>Жёлтая: ~ 2 м</li> <li>Красная: ~ 0.5 м</li> </ul> <p>Задний бампер</p>

### Checking Camera Activation Signal

If your car radio was not installed by the manufacturer, the backup activation signal may be absent from the wires connected to the car radio. For cases like this there's a grey REV wire in our cable. +12 V should be supplied to this wire when the car is switched to reverse (may be taken from the rear lamp). Also, check the connection of this activation signal in the diagnostics menu.

<p>Enter the diagnostics menu using the method described at the beginning of this manual. Choose the <b>Vehicle Signals</b> option in the first window.</p> <p><b>Note!</b> Depending on your car radio model and its software version, some menu options may be placed and/or called differently.</p>	 <p>The screenshot shows the 'System Diagnostic Menu' with a 'Back' button in the top right. The menu items are: Display Diagnosis, Vehicle Signals (highlighted with a red box), Steering Angle Sensor, Error location display, AV COMM Diagnosis, and Handsfree Phone. Navigation arrows are visible on the right side.</p>										
<p>Check the <b>Reverse</b> signal in the dialog window that appears. <b>ON</b> message should appear on the screen when you switch to reverse, and disappear when you switch back. If this does not happen (there's no message or it does not react), use the grey REV wire of our cable.</p>	 <p>The screenshot shows the 'System Diagnostic Menu - Vehicle Signals' dialog with a 'Back' button in the top right. The status is as follows:</p> <table border="1" data-bbox="798 940 1340 1120"> <tr><td>Vehicle speed</td><td>-</td></tr> <tr><td>Parking brake</td><td>OFF</td></tr> <tr><td>Lights</td><td>OFF</td></tr> <tr><td>Power button</td><td>OFF</td></tr> <tr><td>Reverse</td><td><b>ON</b></td></tr> </table> <p>The 'Reverse' status is highlighted with a red box.</p>	Vehicle speed	-	Parking brake	OFF	Lights	OFF	Power button	OFF	Reverse	<b>ON</b>
Vehicle speed	-										
Parking brake	OFF										
Lights	OFF										
Power button	OFF										
Reverse	<b>ON</b>										
<p>Press the <b>BACK</b> button in the top right corner to exit the diagnostics menu.</p>	 <p>The screenshot is identical to the previous one, but the 'Back' button in the top right corner is highlighted with a red box.</p>										