

# CHNI24C

## Steering Wheel Control Interface

for select Nissan vehicles



Right to Left:

- |  |                                 |
|--|---------------------------------|
| i. Additional Wired Connections          | vi. 360 Camera RCA Connector    |
| ii. OEM USB Retention Connector          | vii. Aux RCA Connectors         |
| iii. Vehicle Specific Connector (20-pin) | viii. Interface Box             |
| iv. Vehicle Specific Connector (40-pin)  | ix. 2-pin 360 Button Controller |
| v. ISO Power/Speaker Connector           | x. OEM USB Retention Connector  |

Designed and  
Engineered  
in the UK. 

## APPLICATION

Note: Application data is subject to change at any time

<b>Nissan Altima</b>	<b>2013 - 2018</b>
<b>Nissan Murano</b>	<b>2015 - 2018</b>
<b>Nissan X-Trail</b>	<b>2014 - 2016</b>

Please Note: this product does not retain any feature(s) involving 'Intelligent Park Assist'.

## FEATURES

- Retains Factory Steering Wheel Control Functionality
- Retains Factory Phone Button Functionality
- Retains Time/Date Vehicle Settings
- Retains OEM USB Input
- Retains 360 Panoramic Camera
- Provides Outputs for Park Brake, Speed Pulse & Reverse Gear
- Software Updatable (contact supplier for more information)

### DISCLAIMER

The information provided in this document is subject to change without notice due to manufacturer changes and/or improvements to the product/s. This instruction manual is based on documented data and research. The manufacturer of this product cannot be held responsible for any changes made to the vehicle by the manufacturer or damages that may occur through the installation of this product in accordance with the steps outlined herein.

# PRODUCT INFORMATION

## CHN124C

The CHN124C is a CAN Bus steering wheel control interface for select Nissan vehicles. This interface aids in the retention of crucial steering wheel controls as well as access and control of the Nissan's 360 Panoramic Camera functions.

## WIRING KEY

### IN ISO CONNECTOR

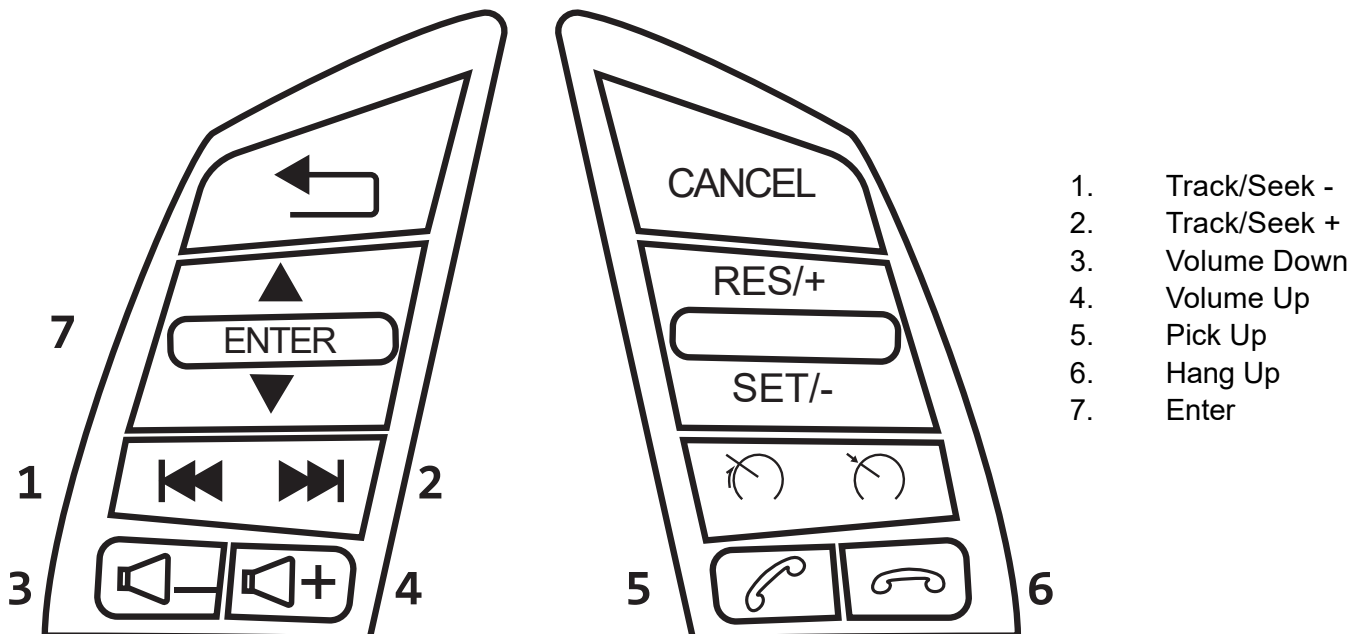
Purple	Right Rear Speaker +	Yellow	Permanent 12V
Purple/Black	Right Rear Speaker -	Black	Ground
Green	Left Rear Speaker +	Red	Ignition 12V
Green/Black	Left Rear Speaker -	Orange	Illumination
Grey	Right Front Speaker +		
Grey/Black	Right Front Speaker -		
White	Left Front Speaker +		
White/Black	Left Front Speaker -		

### ADDITIONAL CONNECTIONS

Pink	Speed Pulse	Red/White RCA	AUX Audio
Green	Park Brake	Yellow RCA	360 Camera
Purple	Reverse		

## STEERING WHEEL CONTROL FUNCTIONALITY

The following diagram, though based on careful research, is an example only. Individual steering wheel control configurations may differ.



### Setting Vehicle Time:

Access the vehicle's 'AUX' menu. Press and hold the "Enter" button (7) for approx. 8 seconds.

The clock setting interface will then appear on the display.

Short press the "Track/Seek -" button (1) to adjust the hours.

Short press the "Track/Seek +" button (2) to adjust the minutes.

When the correct time is set, short press the "Enter" button (7) to save and exit the process.

# PRIOR TO INSTALLATION

Read the manual prior to installation. Technical knowledge is necessary for installation. The place of installation must be free of moisture and away from heat sources. Please ensure that the correct tools are used during the installation to avoid damage to the vehicle or product.

**Aerpro can not be held responsible for the installation of this product.**

## INSTALLATION GUIDE

See wiring diagram on Pg.4 for more information

Before installing the interface, the factory stereo must be removed and disconnected. To do this, please consult the vehicle owner's manual/handbook or contact a fitting professional.

A stereo connection (patch) lead is also required for the installation of this interface (supplied separately). Please ensure that you have the correct lead before proceeding. For universal patch leads, prepare the wiring loops in accordance with the instruction manual supplied with the product before installation.

1. Connect the 12 Pin connector from the stereo connection (patch) lead to the interface box
2. Connect the opposite end of the stereo connection (patch) lead to the steering wheel control input on the back of the aftermarket stereo

*NOTE: This may be a 3.5mm jack connector or a wired input depending on the brand of aftermarket stereo being fitted. Please consult the aftermarket stereo installation manual for further information on where to make the connection*

**! IMPORTANT: THIS STEP MUST BE COMPLETED BEFORE CONNECTING POWER TO THE INTERFACE. FAILURE TO DO SO MAY RESULT IN A LACK OF FUNCTIONALITY AND THE NEED TO RE-INSTALL THE PRODUCT.**

3. Connect the 20 Pin connector from the supplied wiring loom to the interface box
4. Connect the power/speaker ISO connector to the power/speaker ISO connector at the rear of the aftermarket stereo

*NOTE: For aftermarket stereos which do not have an ISO connector, please see "Wiring Key" on Pg.2 for information on which wires to connect. Some interfaces may also have additional 'flying' wires which can be connected to the vehicle to support various features ie. parking brake trigger, reverse gear and speed pulse. Details of these can be found under 'Additional Connections'.*

5. Connect the additional wiring/ AUX connectors / 2-pin 360 button controller/ Yellow RCA connections to the aftermarket stereo's wiring harness where required.
6. Connect the vehicle specific power connector on the supplied harness to the OEM connector from the vehicle
7. Test stereo and steering wheel control functionality for correct operation before reassembling the vehicle dashboard. If steering wheel control functions are unresponsive, please uninstall the interface and wiring and reinstall carefully in accordance with the above steps

## Technical Support

If you need assistance setting up or using your Aerpro product now or in the future, call Aerpro Support Australia TEL: 03 – 8587 8898 FAX: 03 – 8587 8866 Mon-Fri 9am – 5pm AEST. If you would like to download a digital copy of this manual, or other Aerpro manuals/software, please visit the <http://aerpro.com> website.

## 360 CAMERA FUNCTIONALITY

Access of the 360 Camera:

**When not in reverse**-a short initial press of the '360 Button Controller' will showcase the 'front view & 360 panoramic view' (**Figure 1**). A second short press of the controller will then switch the display to the 'front view & side view' (**Figure 2**).

# 360 CAMERA FUNCTIONALITY

**When in reverse**-upon entering reverse, the rear view camera will populate on the display (**Figure 3**). Short pressing the controller will switch the display to the 'rear view & 360 panoramic view' (**Figure 4**). A second short press of the controller will switch the display to the 'rear view & side view' (**Figure 5**). Disengagement of the reverse gear will exit the 360 camera mode.



(Figure 1)

(Figure 2)



(Figure 3)

(Figure 4)

(Figure 5)

## Language settings:

Access the vehicles 'Media Information' menu. Once selected, hold down the '360 Button Controller'. After approximately 8 seconds, the prompt '360 Language' should appear with the default language displayed below. Subsequent short presses of the '360 Button Controller' will change the language in accordance to the table below. Left inactive for another 8 seconds, the language mode will automatically exit and display in the selected language.

1 English	4 Spanish	7 Portuguese
2 German	5 Italian	8 Swedish
3 French	6 Dutch	9 Norwegian

# WIRING DIAGRAM

