# ...connecting to the aftermarket

# CTSVL004.2
## Volvo Steering Wheel Control Interface

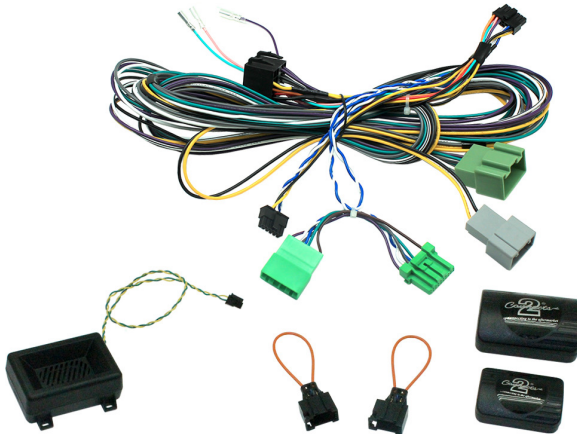**Plug and Play** | **Speed Pulse** | **Works with CAN-Bus** | **Park Brake** | **Reverse Gear** | **Ignition**

# INSTRUCTION MANUAL

## CTSVL004.2

Volvo steering wheel control interface for Volvo vehicles with CAN-Bus. For vehicles equipped with rear parking sensors only.

### Product Contents

- Interface
- Harness
- Instruction

### Application

Volvo XC90 2004 - 2014

Retains Steering Wheel Controls, Parking Sensor Chimes and OEM Reversing Camera (If Equipped)



1. Chime Retention Interface
2. SWC Retention Interface
3. Vehicle Display Connectors
4. Amplifier Connectors
5. Flying Wires (Speed Pulse, Park Brake, Reverse)
6. Speaker
7. MOST Loop (x2) (to bypass amplifier and retain OEM camera)
8. Male Power/Speaker ISO Connector

### 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 you use the correct tools to avoid damage to the vehicle or product.
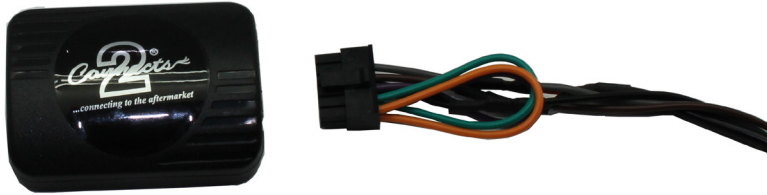
### Technical Support

Connects2 want to provide a fast and suitable resolution should you encounter any technical issues. With this in mind, when contacting Connects2, try to provide as much information as possible. This will help speed up the process and help us to help you.

**Please use our dedicated online technical support centre: support.connects2. com**

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1. Remove and disconnect the original head unit.

2.  Connect the 12 way molex connector of the head unit patch lead (supplied separately) to the interface (Pg.2. Fig 1.)



3.  Connect the opposite end of head unit patch lead to the head unit steering wheel control input on the back of the aftermarket head unit.  This may be a 3.5mm jack plug or a wire input depending upon the head unit brand being fitted.  Please see the head unit installation manual for further information on where to connect.
**Important Note:  This step must be completed before connecting power to the interface.  Failure to so do may result in no steering wheel control function.**
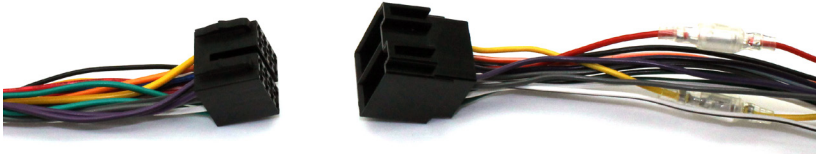


4.  Connect the 14 way molex connector to the interface.

5. Connect the male power/speaker ISO harness (Pg.2. Fig 2.) to the female power/speaker ISO harness from the aftermarket head unit.



For aftermarket head units which do not have an ISO connector the interface uses the following wiring colours:

| Wire Colour | Function |
| --- | --- |
| Yellow | Permanent 12V |
| Black | Ground |
| Red | 12V Ignition |
| Orange | Illumination |
| Blue | Antenna Remote |
| Pink | Speed Pulse |
| Green | Park Brake |
| Purple/White | Reverse |

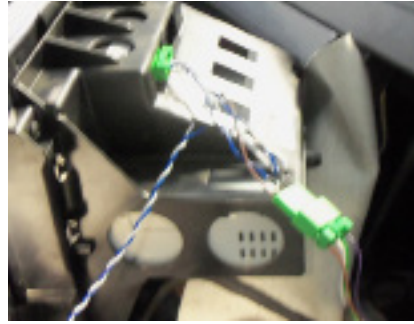| Wire Colour | Function |
| --- | --- |
| Purple | Right Rear Speaker + |
| Purple/Black | Right Rear Speaker - |
| Green | Left Rear Speaker + |
| Green/Black | Left Rear Speaker - |
| Grey | Right Front Speaker + |
| Grey/Black | Right Front Speaker - |
| White | Left Front Speaker + |
| White/Black | Left Front Speaker - |

6. Feed the long extension loom down through the dashboard and behind the skirting (highlighted). Bring the wire up under the passenger seat and locate the OEM amplifier



7. Disconnect the amplifier connectors and plug these into the grey and green connectors of the extension loom. Disconnect the leftmost grey connector and plug in the MOST loop.

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8. Disconnect the vehicle display and plug in the male green vehicle display connector. Take the disconnected display lead and plug this into the female green vehicle display connector.

NB. If the vehicle has a reverse camera, disconnect the fibre cable from the back of the head unit and plug in the second MOST loop



9. Connect the female vehicle specific connector to the male vehicle connector. Connect the speaker to the chime retention interface. NB. You must connect the speaker to the right hand port on the chime retention inferface. See image for reference.



STEERING WHEEL CONTROL FUNCTIONS

1. Track -
2. Track +
3. Pick Up
4. Hang Up
5. Volume +
6. Volume -