



...connecting to the aftermarket

CTHCV04

GM Steering Wheel Control Interface with Integrated Chime Speaker



Vehicle Application

Vehicles with Mylink 8" OEM system. 20 Way Green and 16 Way Grey Connectors.

Chevrolet
Colorado 2014>
Impala 2014>
Camaro 2016>
Equinox 2017>
Malibu 2016>
Silverado 2014>
Suburban 2014>
Tahoe 2014>

Cadillac
Escalade 2015>
XTS 2014>

GMC
Acadia 2017>
Canyon 2014>
Sierra 2014>
Yukon 2014>

Opel/Vauxhall
Insignia 2015>
Karl 2015>
Viva 2015>

Key Features

- Retains Steering Wheel Controls (if equipped)
- Provides outputs for ACC 12V/Speed/Reverse/Park/Illumination
 - Retains Vehicle Chimes
- Retains On-Star (with optional CTUCV02-OS)

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Designed and
Engineered
in the UK. 

The information provided in this document is subject to change without notice due to changes and/or improvements to the product/s.

ABOUT THIS PRODUCT

CTHCV04

Steering Wheel Control Interface with built-in speaker for GM vehicles with GM 29 Bit CAN-Bus system.

Retains factory steering wheel controls, vehicle chimes and OEM phone buttons (if equipped) when installing an aftermarket head unit.

Provides outputs for ACC 12V, Speed, Park, Reverse and Illumination.

WIRING COLOUR CODES

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 -	Pink (with bullet)	Speed Pulse
Grey	Right Front Speaker +	Purple/White (with bullet)	Reverse Gear
Grey/Black	Right Front Speaker -	Green (with bullet)	Park Brake
White	Left Front Speaker +	Yellow/Black (with bullet)	Telephone Mute
White/Black	Left Front Speaker -	Blue/White (with bullet)	Antenna Remote
		Red/White RCA (with bullet)	Aux In
		Green/Black (SWC with bullet)	SWC Input

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 using during the installation to avoid damage to the vehicle or product. **Connects2 can not be held responsible for the installation of this product.**

TECHNICAL SUPPORT

Connects2 Ltd. want to provide a fast and suitable resolution to any problems encountered during installation of this product. To get in touch with our dedicated technical support team, please fill in a ticket at support.connects2.com and provide as much information as possible.

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SETTING THE DIPSWITCHES

Before installation, make sure that the dipswitches on the interface are set according to the below information:

Set Dipswitch 1 to 'On' if installing a Pioneer aftermarket stereo, and 'Off' if installing a Sony aftermarket stereo. If installing any other brand of stereo, Dipswitch 1 can be set to any position

Dipswitches 2, 3 & 4 have no functionality with this product and can be left in their default positions

FITTING GUIDE

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.
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 (See Fig 1.)

NB: 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: This step must be completed before connecting power to the interface. Failure to do so may result in no steering wheel control function.



Fig 1.

4. Connect the 14 way molex connector to the interface
5. On some vehicles, the flying green/black wire of the CTUCV02 interface labelled 'SWC' must be hard-wired to the the GM LIN wire on the vehicle which is located behind the steering column, above the driver footwell. Please continue to step 6 and test operation of steering wheel controls. If they do not operate, continue with step 5 below.

The black cloth tape will need to be unwrapped so the wires are exposed (Fig 2). The GM LIN wire is a Green/Black striped wire. This wire can also be confirmed by testing with a multimeter. It will read 12V.

Make sure the 'SWC' wire of the CTHCV04 is securely connected to the GM LIN wire by soldering and the insulating all exposed wires.

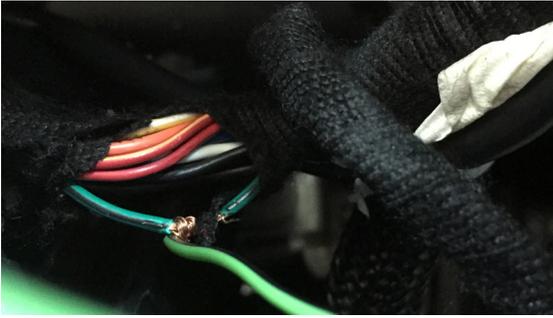


Fig 2.

6. Connect the male power/speaker ISO harness to the female power/speaker ISO harness from the aftermarket head unit. For aftermarket head units without an ISO connector, please refer to "Wiring Colour Codes" on Pg. 2.



7. Connect the female vehicle specific connectors on the harness to the male vehicle connector from the vehicle. Test head unit for correct operation.

STEERING WHEEL CONTROL FUNCTIONALITY

Original Button

Volume +
Volume -
Track +
Track -
SRC
Speech
Mute

Function

Volume +
Volume -
Track +
Track -
Source
Pick Up
Hang Up



Vehicles with On-Star -

If you wish to retain the OEM On-Star audio, an optional interface (**CTUCV02-OS**) must be used together with this interface. On-Star volume can be configured by the volume controls on the steering wheel when in an active On-Star call. To connect the CTUCV02-OS, simply unplug the black 20 way microfit connector cap and plug in the CTUCV02-OS.

Vehicles with OEM Bose Amplifier -

If your vehicle is equipped with the OEM Bose amplified system, an optional interface (**CTI52-GM03**) must be used together with this interface.