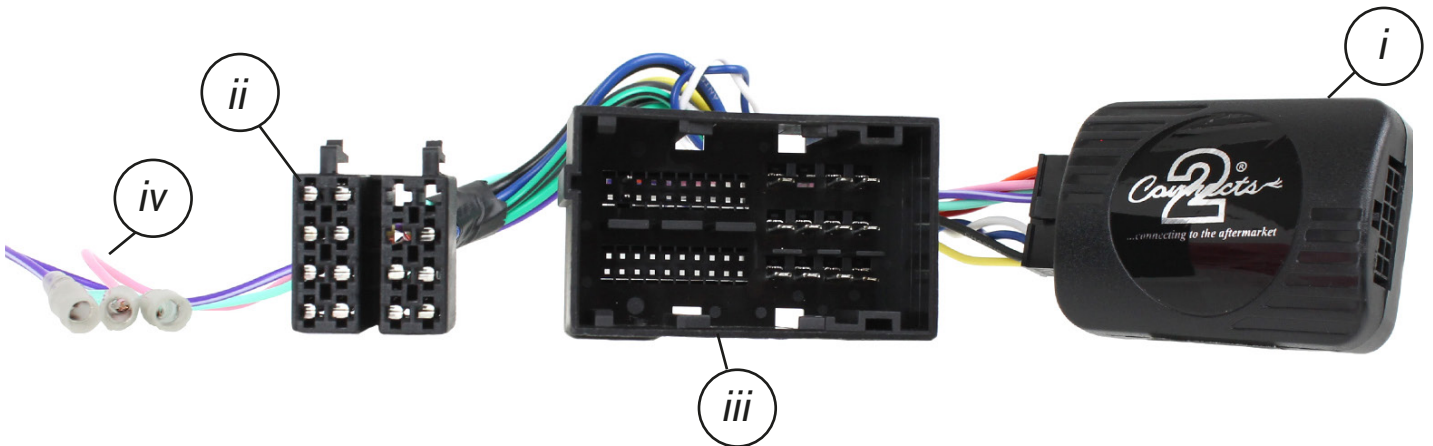


# 29-CTFA019

## Steering Wheel Control Interface for Fiat Vehicles

Allows for the upgrade of the factory stereo to an aftermarket model, whilst retaining factory steering wheel control functionality and phone buttons



- i. Interface Box
- ii. Male ISO Connector (16 Pin)
- iii. Fiat Vehicle Connector
- iv. Flying Wires (Green - Park Brake / Pink - Speed Pulse / Purple/White - Reverse Gear)

## APPLICATION

Note: Application data is subject to change at any time

Fiat 500L	2012>	Fiat Doblo	2016>
Fiat Ducato	2015>		
Dodge RAM-Promaster		2016	

## FEATURES

- Retains Factory Steering Wheel Control Functionality (if vehicle is equipped)
- Retains Phone Button Functionality (if vehicle is equipped)
- Provides Park Brake, Speed Pulse & Reverse Gear Outputs
- Updateable via USB (contact supplier for more information)

# 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. InCarTec can not be held responsible for the installation of this product.

## Setting the Interface Dipswitches

Prior to installation, the circuit board dipswitches must be set to ensure correct operation of the product. To do this, remove the interface box casing and set the dipswitches as follows:

**Dipswitch 1 - Set to 'ON' for vehicles with 250VP1 factory stereo, otherwise set to 'OFF'**

**Dipswitch 2 - Set to 'ON' for vehicles with 250VP2 factory stereo, otherwise set to 'OFF'**

**Dipswitch 3 - Set to 'ON' for vehicles with factory Blue&Me system, otherwise set to 'OFF'**

**Dipswitch 4 - Set to 'ON' if installing a Pioneer stereo. Set to 'OFF' if installing a Sony stereo.**

*NB: Only change dipswitch positions when interface is disconnected from the vehicle.*

# WIRING KEY

## IN WIRING HARNESS

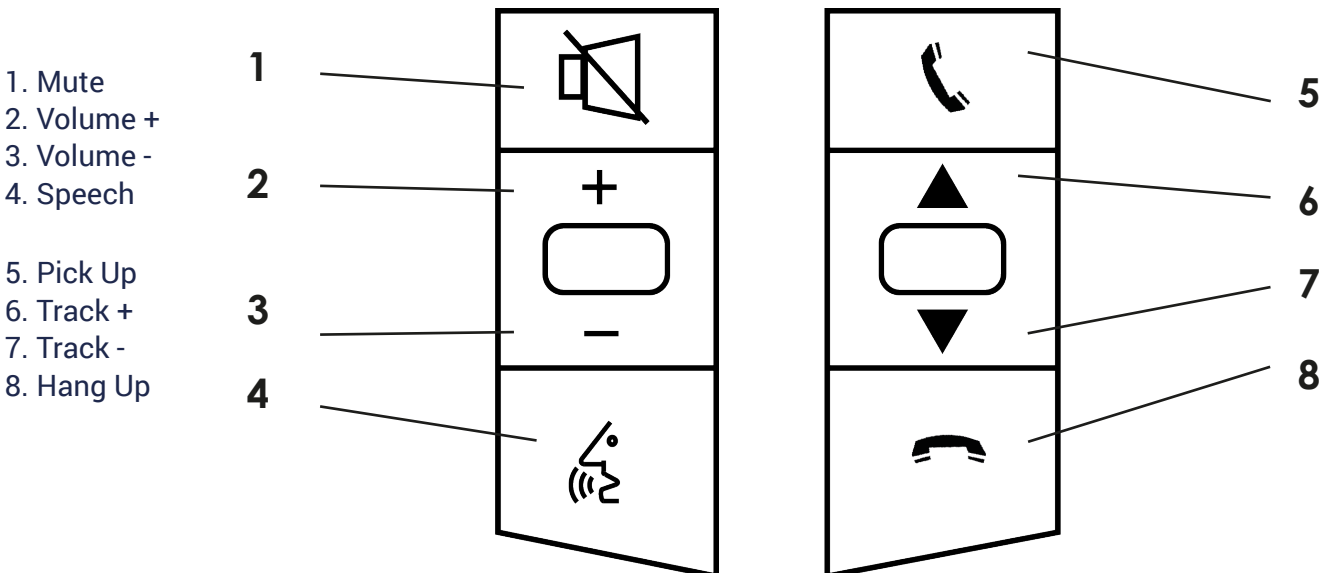
Purple	Right Rear Speaker +	Yellow	Permanent 12V
Purple/Black	Right Rear Speaker -	Black	Ground
Green	Left Rear Speaker +	Red	Ignition 12V
Green/Black	Left Rear Speaker -	Orange	Illumination
Grey	Right Front Speaker +		
Grey/Black	Right Front Speaker -		
White	Left Front Speaker +		
White/Black	Left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

## ADDITIONAL CONNECTIONS

Pink	Speed Pulse
Lt. Green	Park Brake
Purple/White	Reverse Gear

# STEERING WHEEL CONTROL FUNCTIONALITY

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



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 (i)
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 REINSTALL THE PRODUCT**

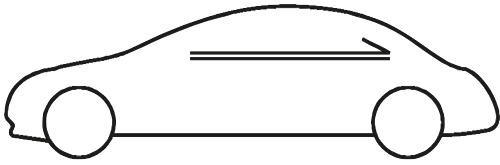
3. Connect the 14 Pin connector from the supplied wiring loom to the interface box (i)
4. Connect the male power/speaker ISO connector to the female power/speaker ISO connector from the aftermarket stereo. (ii)

*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'.*

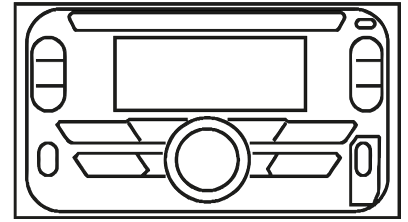
5. Connect the female vehicle specific connector/s on the supplied harness to the male vehicle specific connector from the vehicle. Please refer to wiring diagram on Pg.4, or cover photo on Pg.1 for more information on the connector style of this interface. Common styles include Mini ISO or Quadlock. (iii)
6. 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.

# WIRING DIAGRAM

**TOWARDS VEHICLE**

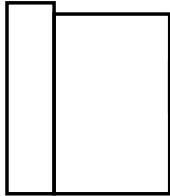


**TOWARDS STEREO**



**Fiat Vehicle Connector**

Connect to Fiat connector from vehicle

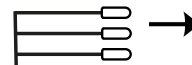


**Flying Wires**

Pink - Speed Pulse

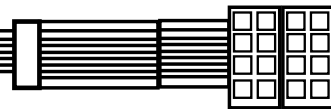
Green - Park Brake

Purple/White - Reverse Gear



**Male ISO Connector**

Connect to aftermarket stereo

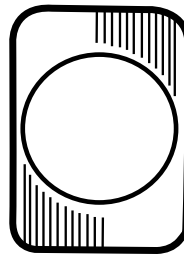


**Main Wiring Loom Connector [14 Pin]**

Connect to Interface Box

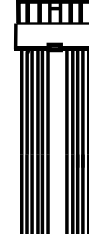


**Interface Box**



**Stereo Connection (Patch) Lead Connector [12 Pin]**

Connect to Interface Box



Note: Must be connected first, before power connection is made to the interface