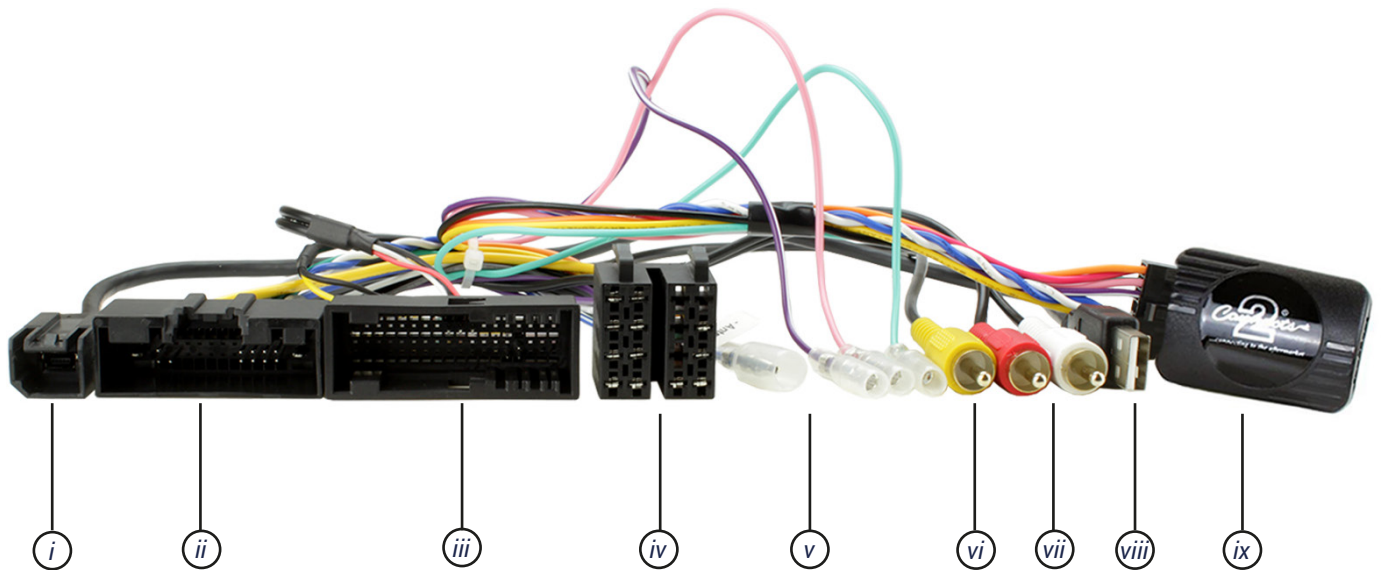


29-CTF021

Steering Wheel Control Interface for Ford Vehicles



- i. USB Retention (Female)
- ii. Car Connector (24 Pin)
- iii. Car Connector (54 Pin)
- iv. ISO Connector (16 Pin)
- v. Flying Wires

- vi. Yellow RCA - Camera Retention
- vii. Red/White RCA - AUX Retention
- viii. USB Retention (Male)
- ix. Interface Box

APPLICATION

Note: Application data is subject to change at any time

Ford Ranger 2019 - UP
For US Vehicles with SYNC3 OEM systems (small display)

FEATURES

- Retains Factory Steering Wheel Control Functionality
- Retains Phone Buttons
- Retains USB and AUX Inputs
- Retains Reversing Camera
- Supports Voice Assistant (with software update via SWCREFLASHER)
- Provides Speed Pulse, Park Brake, Reverse Gear & Power Antenna Outputs

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.

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

WIRING KEY

IN WIRING HARNESS

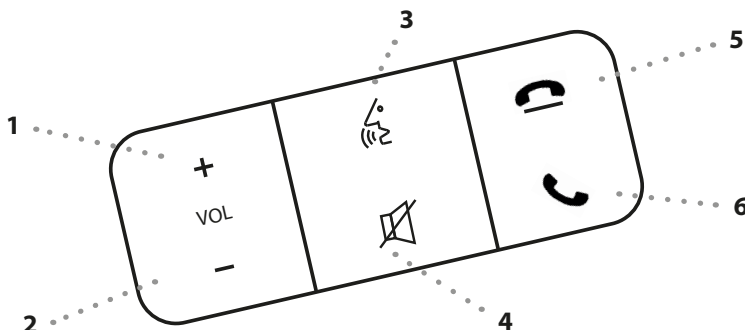
Purple	Right Rear Speaker +	Yellow	Permanent 12V
Purple/Black	Right Rear Speaker -	Black	Ground
Green	Left Rear Speaker +	Red	Ignition 12V
Green/Black	Left Rear Speaker -	Orange	Illumination
Grey	Right Front Speaker +		
Grey/Black	Right Front Speaker -		
White	Left Front Speaker +		
White/Black	Left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

ADDITIONAL CONNECTIONS

Light Green	Park Brake
Pink	Speed Pulse
Purple/White	Reverse Gear
Blue/White	Power Antenna
(RCA) Red/White	Connect to Head Unit AUX In R/L
(RCA) Yellow	Connect to Head Unit Camera Input
USB Retention (Male)	Connect to Head Unit USB Female
USB Retention (Female)	Connect to Vehicle

STEERING WHEEL CONTROL FUNCTIONALITY

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



1. Volume +
2. Volume -
3. Voice Assistant*
4. Source
5. Track + (Short Press)
Hang Up (Long Press)
6. Track - (Short Press)
Pick Up (Long Press)

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 REINSTALL THE PRODUCT

3. Connect the 14 Pin connector from the supplied wiring loom to the interface box
4. Connect the power/speaker ISO connector (16 pin) from the interface to the power/speaker ISO connector from 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 24 pin and 54 pin vehicle specific connectors on the supplied harness to the corresponding connectors from the vehicle
6. Make additional connections to retain the OEM reversing camera (yellow RCA), AUX input (red/white RCA) and USB input (USB retention harness) if the vehicle is equipped.
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.

WIRING DIAGRAM

