

# 20-190-IGN

Volkswagen Crafter 2018 > ISO and service harness

InCarTec



ISO radio replacement and service harness for 2018 onwards Volkswagen Crafter vehicles.

The adapter cable has a built in CANbus interface to generate a CAN ignition signal to the new radio and also provide an additional CANbus interface of your choice.

The Cable has an extended service cable to allow the original radio to be reconnected to update time and date settings and other vehicle settings from the original radio.



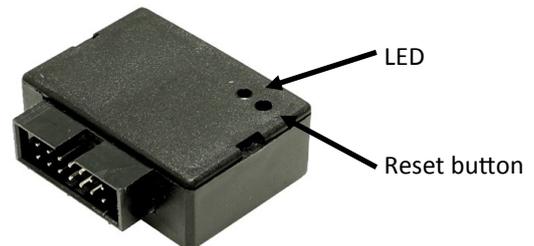
When fitted the interface will automatically recognise the vehicle, the LED on the interface will light up green when the ignition is on. If the LED flashes red this means the interface has not recognised the car, check the CANbus wires are mating, also disconnect and reconnect the interface and cycle the ignition a few times.

The interface is designed to give two CANbus signal outputs, these are defaulted as ignition and speed pulse. The first output, ignition, is prewired into the ISO adapter lead for a plug and play install, the second output, speed pulse, is a loose grey wire.

## **To change to outputs of the interface.**

With the interface powered with the green LED lit, press and hold the reset button until GREEN LED goes out then wait for the LED to flash RED once, then release the reset button.

The LED will then flash to show which output is being changed and what the output function is. The LED will flash yellow once to show that output one is to be set, then flash green once to show that it is set to give out ignition. See the table overleaf for the available output functions.



As the interface is prewired for ignition, the first output will need to be confirmed as ignition. Press and hold the reset button for 3-5 seconds, this will confirm the selection.

The LED will now flash yellow twice, this shows that the second output is to be set, then flash green once.

A short press of the reset button will increase the amount of green flashes by one, keep short pressing the button until you get the desired amount of flashes. The amount of green flashes represents the different outputs available (see the table overleaf). Green flashes represent the numbers 1-9, a red flash represents 10. A combination of red and green flashes represent numbers 11+. For example, one red flash and three green flashes is 13. If you go past the desired function, keep pressing the reset button and the flashes will cycle back around to one flash.

To confirm the selection, press and hold the reset button for 3-5 seconds. The LED will now be a solid green.

## **Output wires.**

The first output, ignition, is on the pink wire. This is prewired into the adapter lead.

The second output will use either the orange or grey wire. +12V and ground signals will all use the orange wire, speed pulse outputs will use the grey wire. See the table overleaf.

<u>LED flashes</u>	<u>Function</u>	<u>Wire</u>
1 green	Ignition output	Pink
2 green	Illumination positive output	Orange
3 green	Reverse gear positive output	Orange
4 green	Parking brake ground	Orange
5 green	N/A for a Volkswagen	Orange
6 green	N/A for a Volkswagen	Orange
7 green	Speed pulse, 26,000 pulses per mile	Grey
8 green	Speed pulse, 13,000 pulses per mile	Grey
9 green	Speed pulse, 8,000 pulses per mile	Grey
1 red	Speed pulse, 4,000 pulses per mile	Grey
1 red 1 green	Positive output while car is moving	Orange
1 red 2 green	Positive output while car is moving below 10kmh. (activated by first putting the car in reverse, then into drive)	Orange
1 red 3 green	Positive output to signal emergency brake with automatic blinker activation	Orange
1 red 4 green	Positive output below 10kmh, while moving and while stationary	Orange
1 red 5 green	Positive output while moving below 10kmh	Orange
1 red 6 green	Positive output while car is moving below 10kmh. (activated by putting the car into reverse gear then into drive, and on first ignition)	Orange
1 red 7 green	Positive output with engine running, below 10kmh and handbrake off	Orange