

# TOP VEHICLE TECH.

## KWFIA1

### FIAT 500

### 2007-2015

### INSTALLATION MANUAL

V1.0621



*This dash image is a visual representation for display purposes only.*

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

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## ABOUT THIS PRODUCT

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The **KWFIA1** installation kit allows for the retention of the vehicle's steering wheel controls and helps maintain the original aesthetic of the interior when installing a new car stereo. The **KWFIA1** gives you everything you need for a complete install in one box. The components of this kit are compatible for the Fiat 500 (2007-2015) with VDO factory stereos. The wiring harness and interface will retain the steering wheel controls, factory phone buttons and features a factory amp turn on wire (if vehicle is equipped). This kit also contains a lead that will retain the USB input through the Blue&Me system. The interface supplied features a Mini ISO connector.

**NB: the harness in this installation kit will not work with vehicles that have a Uconnect system as standard.**



## CONTENTS

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- 1x Fascia plate (with accessories)
- 1x Instruction manual
- 1x Steering wheel control harness and interface
- 1x DAB antenna adapter
- 1x USB retention lead
- 1x Stereo patch lead

## CUSTOMER SUPPORT

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Installations should be carried out by, or under the guidance of an experienced installer. If you do encounter any problems during the installation of this product, then please contact our dedicated customer service team at:

Phone: **01420 470 605** E-Mail: [help@topvehicletech.com](mailto:help@topvehicletech.com)

## FITTING GUIDE

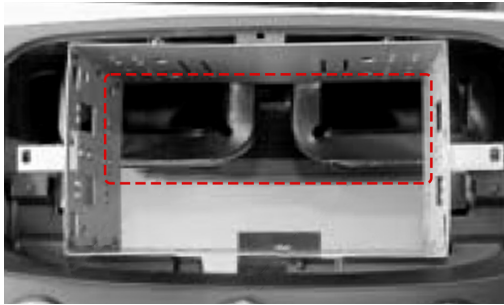
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### STEREO REMOVAL

1. Remove the four inner blank buttons with a flat head screwdriver to uncover radio removal holes. Using a set of removal keys, pull the radio out and disconnect all the wiring.
2. Undo two screws either side of the opening, two screws located within the cage, and the bolt toward the back of the opening. Then proceed to pull the cage forward first to remove, and follow on to remove the vents.

### DASH MODIFICATION

Some plastics will need to be cut and removed from the dashboard to make space for the new car stereo. *Measure where the stereo will sit and take due care when modifying the vehicle. TopVehicleTech always promote the help of professional installers. TopVehicleTech will not be held responsible for any damage to the vehicle.*



### DAB ANTENNA INSTALLATION

1. Open the passenger side door and proceed to pull away the door trim from the pillar.
2. Using a set of panel removal tools, begin to pry away the pillar casing.
3. The glovebox will need to be dropped down to route the antennas wiring. To do this, remove the control climate fascia panelling to expose 2x screws holding the main dashboard panel. Once these are undo pull the fascia off.
4. Undo the 3x screws on the front, 2x inside, 1x screw at the back, and 2x underneath. Once all of these are undone, simply pull the glovebox out, and leave in the footwell.
5. The DAB antenna not only has a self adhesive backing, but also features a black earth sheet. When placing the DAB antenna, the earth sheet **MUST** be placed onto the metal part of the pillar. The antenna itself must be located roughly 15cm from the top of the windscreen.

**Note: this antenna must not be placed atop any kind of heating elements, this will interfere with the antenna's signal.**

6. Once happy with the placement, take the 3m of wiring extension and feed it down through to the stereo's opening. With the wiring adjusted to the appropriate length, feel free to re-install the glovebox.

### FASCIA PLATE SET-UP

1. Attach the brackets to the new stereo. These brackets allow you to set the specific depth of the unit in relation to the fascia plate. Start by lining up the spacers (**Fig 1.**) on the inside of the plates (**Fig 2.**).



Fig 1.

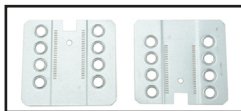


Fig 2.



Fig 3.

## FITTING GUIDE

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### FASCIA PLATE SET-UP CONT'D.

2. Attach the spacer and plate combination to the corresponding side of the stereo using the screws that come with the stereo. Test this set up outside of the dashboard by sliding into the radio cage.
3. Take the fascia in hand, and place it atop the caged radio combination. If the depth/alignment of the stereo hangs out too much/is recessed to far, use the radio removal keys (**Fig 3.**) to release the stereo from the cage and repeat the process.
4. With the stereo brackets aligned, move onto the prep of the dashboard. Once you have modified the vents, attach the "U" brackets (facing each other) to the open vent shafts, this will re-direct the air flow away from the back of the new stereo (*refer to the images below for configuration of new fans*).



*With the fans modified, the new "U" shaped inserts must be placed like so on either side of the new cage, this will re-direct the airflow to the new fans.*



*This is what your new radio set up will look like with the new air vents/bracketry assembled correctly.*

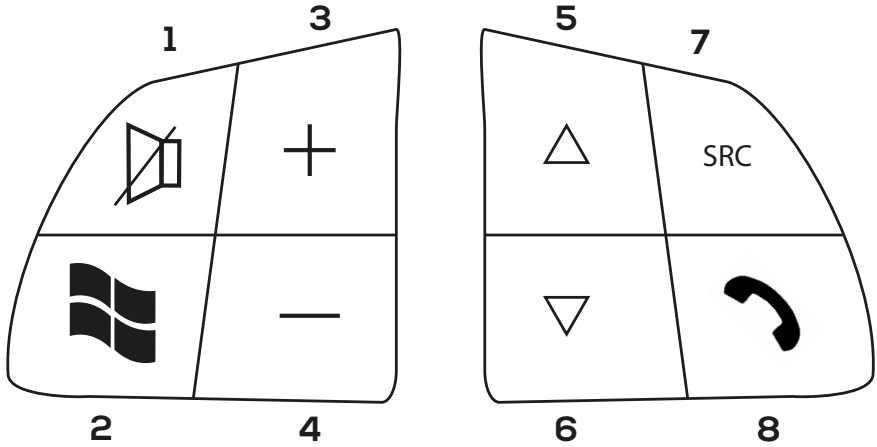
5. Place the foam pads below the cage in the dashboard. Then proceed to place the new cage to test the fit, when ready to fit completely, utilise the vehicles pre-existing screws.
6. Attach the extended fan shafts to the back of the fascia panel and test that they match up to the "U" styled brackets aside the new cage.

### STEREO INSTALLATION

1. Take the steering wheel control interface in hand and connect both the 12-way stereo patch lead and the 14-way steering wheel harness connectors to the corresponding sides.
2. Connect the bullet connector from the stereo patch lead to the 'steering wheel remote input' on the back of the new stereo.
3. Connect the DAB antenna's SMB connector to the back of the new stereo.
4. Attach the USB retention lead between the vehicles pre-existing connections and the new stereo.
5. Attach the additional wiring on the harness to the back of the stereo:  
**Pink** - Speed Pulse **Green** - Park Brake **Purple** - Reverse **Blue** - Amp Remote Turn On
6. When all the above wires (and any additional accessories) have been connected, finally make the connections between the stereo and the vehicles pre-existing connector.

# STEERING WHEEL CONTROL FUNCTIONALITY

Please note: configuration layout may differ dependent on vehicle model.



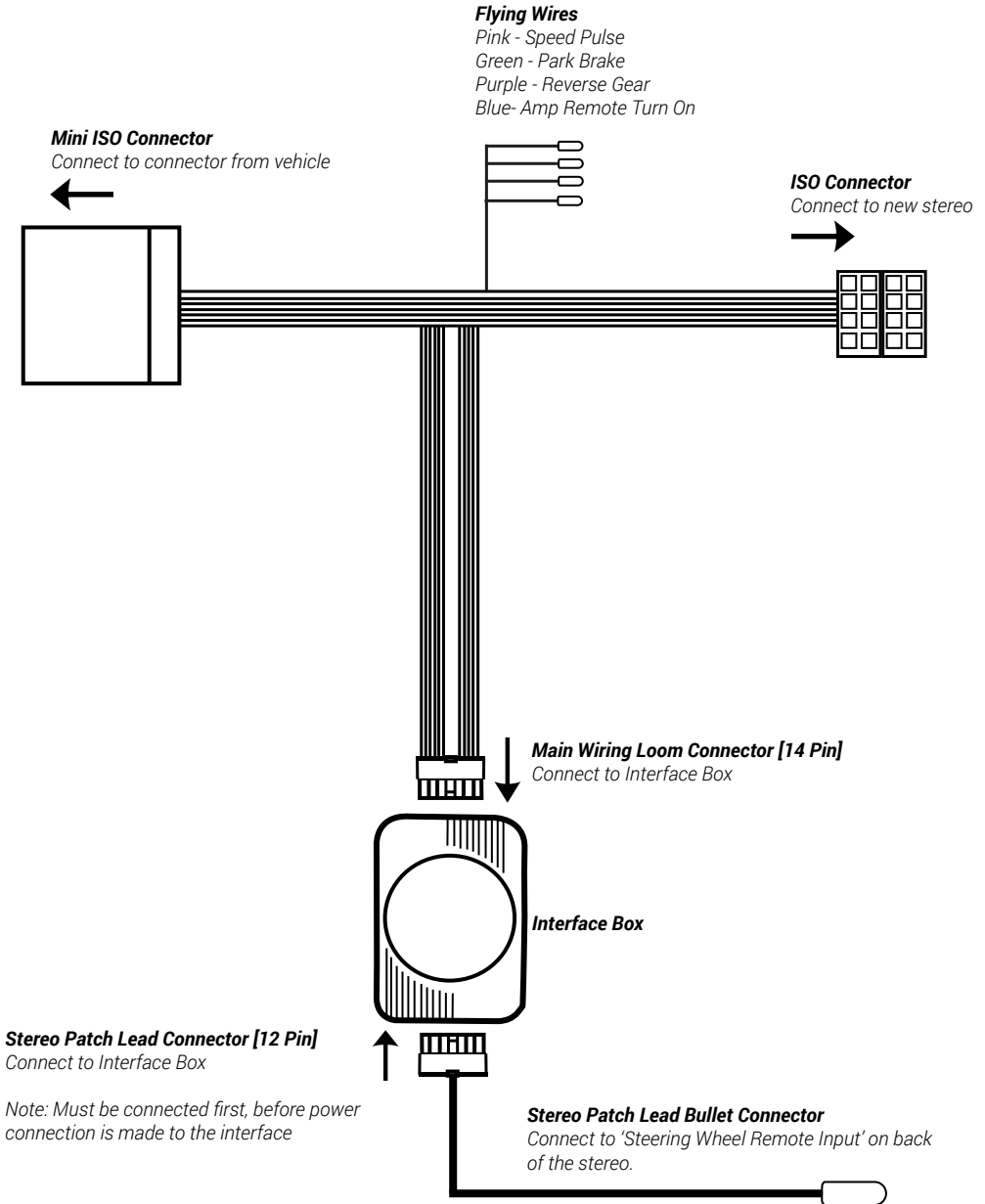
## Original Button

1. Mute
2. Window Icon
3. Volume +
4. Volume -
5. Up Arrow
6. Down Arrow
7. Source
8. Phone Icon

## New Function

1. Mute
2. Hang Up
3. Volume +
4. Volume -
5. Track +
6. Track -
7. Source
8. Pick Up

# WIRING DIAGRAM







## TECHNICAL ASSISTANCE

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If at any point you experience any problems and need any assistance before, during or after the installation process, please contact us via :

Phone: **01420 470 605**

E-Mail: **help@topvehicletech.com**

Mon - Fri 9am - 5.30pm GMT

If you would like to download a digital copy of this manual, or any other product, then please visit the **www.topvehicletech.com** website.

This manual is considered correct at the time of printing but is subject to change. For the latest manuals & updates, refer to our website.

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