

TOP VEHICLE TECH.

KWBMW5 BMW 3 SERIES (E90/91/92/93) 2005-2012 INSTALLATION MANUAL

V1.0421



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

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ABOUT THIS PRODUCT

The **KWBMW5** installation kit allows for the retention of the vehicle's steering wheel controls and maintains the original aesthetic of the interior when installing a new car stereo. The **KWBMW5** gives you everything you need for a complete install in one box. The components of this kit are compatible for the BMW 3 Series (E90/91/92/93) (2005-2012) with non-amplified BMW Business Professional stereos. The wiring harness and interface will retain the steering wheel controls, factory phone buttons, as well as retaining parking sensor audio and warning tones (i.e. oil level, seat belt, door open). Supplied with a Quadlock connector.

NB: this installation kit is for vehicles without navigation or iDrive as standard. Vehicles must have manual A/C panel.



CONTENTS

- 1x Fascia plate (with accessories)
- 1x Pocket relocation panel (silver)
- 1x Instruction manual
- 1x Steering wheel control harness and interface
- 1x Antenna adapter
- 1x DAB antenna adapter
- 1x Stereo patch lead

CUSTOMER SUPPORT

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

FITTING GUIDE

STEREO REMOVAL

1. Begin by using a bojo tool to remove the panel that surrounds the gear stick. Once free, disconnect the wiring that is connected to the pocket.
2. Using a bojo tool again, remove the climate control panel and disconnect any/all wiring from behind.
3. With the climate control panel removed, this will reveal 2x screws that will need to be undone to free the main radio. Once free, pull out of the dashboard and disconnect all the wiring.
4. With the radio removed, you will then need to remove the 4x screws and 2x bolts that hold the plastic cage into place. Once these screws and bolts are undone, remove the cage completely.

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 you will need to unclip the hydraulic arm and push both sides of the glovebox inwards. Then all that is needed is to let the glovebox fall open.
4. 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.

5. 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. Take the OEM air con panel and begin to unclip the manual air con unit, this can go directly into the new fascia.
2. Undo the 5x screws that surround the back casing of the button panel and remove the PCB board. Once out, gently disconnect the white connector. Re-connect the white connector found on the replacement ribbon extension cable which comes with the kit.

FITTING GUIDE

FASCIA PLATE SET-UP CONT'D.

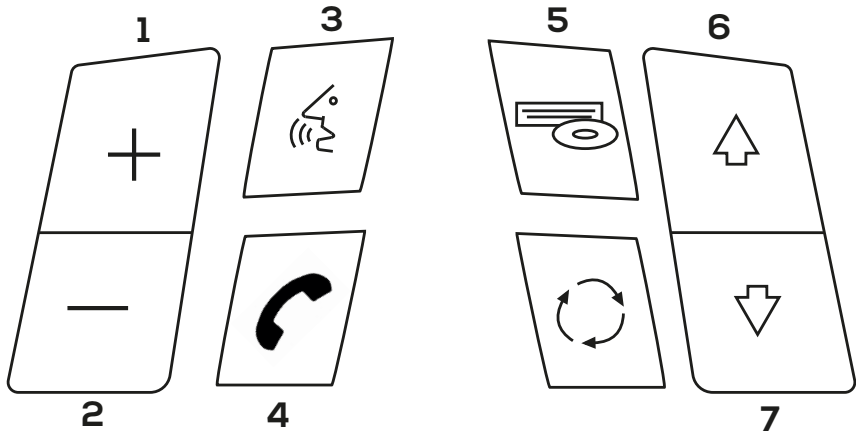
3. Proceed to mount the PCB with button front/back to the new pocket relocation panel. Connect the black connector on the lead to the air conditioning panel and route the wiring neatly to the side.
4. Undo the screws that surround the current pocket. Once free, you will need to transfer the cigarette lighter from the OEM pocket to the new relocation panel.
5. With the new relocation panel correctly configured, you can proceed to screw this into the gear stick panel using the pre-existing screws.
6. Attach the brackets to the new stereo using the screws within the kit. With the brackets attached, offer the whole unit to the back of the fascia and test fit within the vehicle to gauge the correct depth.
7. When happy with the alignment, and the "***Stereo Installation***" process is complete, screw the stereo into the dashboard using the pre-existing screws. Then simply install the fascia on top.

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. Attach the 12-pin connector from steering wheel harness to the speaker interface box.
4. On the opposite side of the speaker interface box will be two 2-pin ports. Connect the 2-pin connector from the speaker box into the right port (when face up).
5. Connect the yellow 12V permanent wire to a source of 12 volt i.e. the fuse board or direct to battery.
6. Connect the DAB antenna's SMB connector to the back of the new stereo.
7. Attach the antenna adapter to the vehicles pre-existing connection and the back of new stereo.
8. Attach the additional wiring on the harness to the back of the stereo:
Pink - Speed Pulse **Pink/Black** - Mute **Purple** - Reverse Gear **Green** - Park Brake
9. When all the above wires (and any additional accessories) have been connected, finally make the connections between the stereo and the vehicles pre-existing power/stalk connectors.

STEERING WHEEL CONTROL FUNCTIONALITY

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



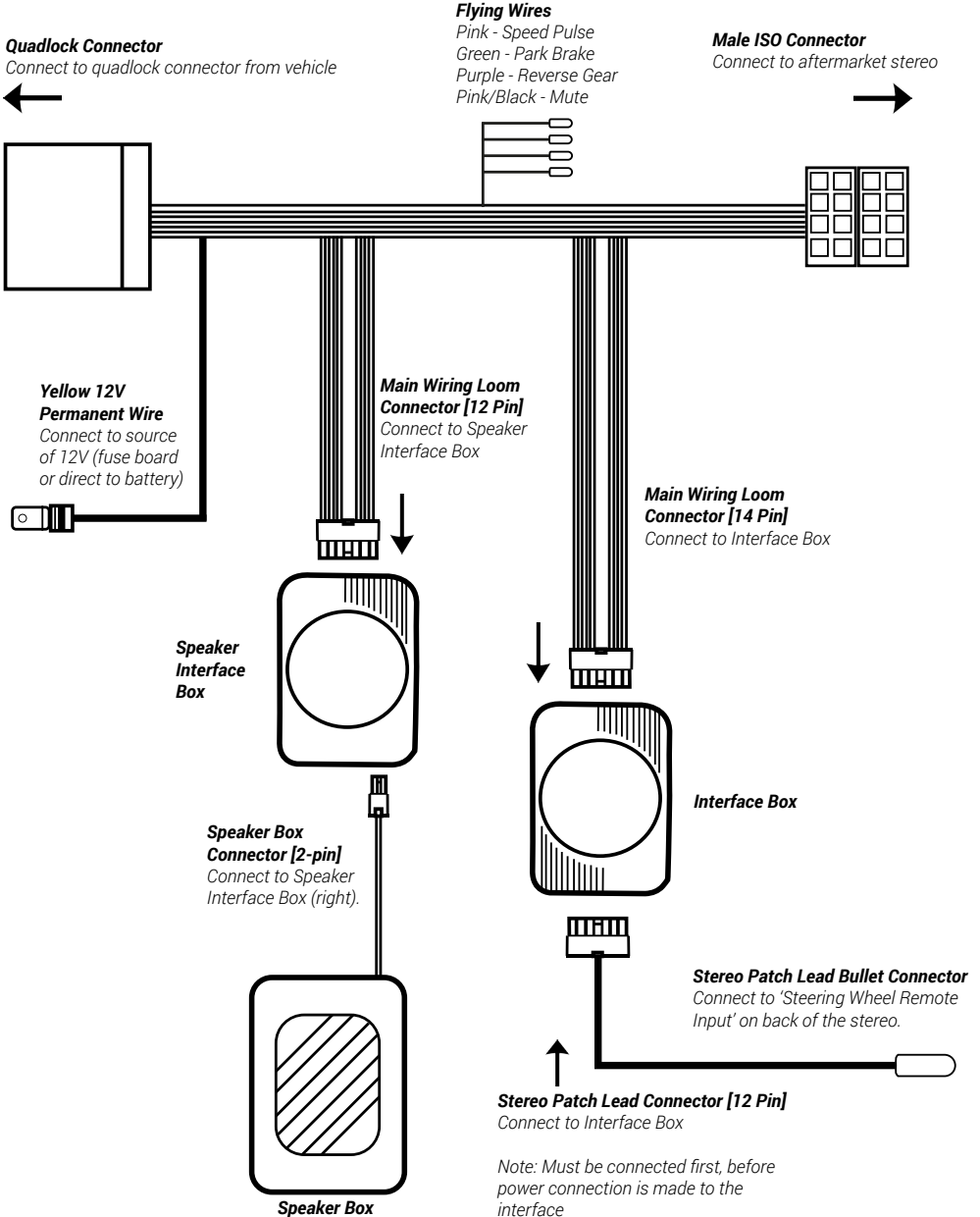
Original Button

1. Volume +
2. Volume -
3. Speech
4. Pick Up
5. Source
6. Track +
7. Track -

New Function

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

WIRING DIAGRAM





TECHNICAL ASSISTANCE

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.

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