

TOP VEHICLE TECH.

KWBMW13

BMW

X5 (E70) 2007-2013

X6 (E71) 2008-2014

INSTALLATION MANUAL

V1.0421



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

The **KWBMW13** 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 **KWBMW13** gives you everything you need for a complete install in one box. The components of this kit are compatible for the BMW X5 (E70) (2007-2013) & BMW X6 (E71) (2008-2014) 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 automatic A/C panel.



CONTENTS

- 1x Fascia plate (with accessories)
- 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. Using a bojo tool on either side, pry away and remove the air vents from the dashboard, disconnecting the hazard switch wiring in the process.
2. Remove the 2x screws that secure the main display and remove this whilst disconnecting the wiring.
3. Now remove the 2x screws that hold the climate control panel in place. Once removed, use a bojo tool to release the whole assembly, again, disconnecting all the wiring in the process.
3. Finally, undo the 2x screws that hold the main radio in place and remove whilst disconnecting all the wiring.

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 opened/removed to route the antennas wiring. You will need to remove the side panel as well as the inside pocket so that you can transfer the wiring easily.
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 climate control panel and begin to unclip both the automatic air con unit as well as the lower button panel. Once removed, these can then be transferred directly into the relevant openings found on the new fascia and top pocket.
2. Take the clips from the OEM fascia panel, and relocate them onto the new fascia panel where required.
3. Attach the relocation mount clips within the clip and attach them using the screws within the kit to the bottom left and right corners of the new top pocket (*see image for orientation*).
4. 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.
5. 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 clip down the fascia over top. Following this, place the the top pocket and screw into place.



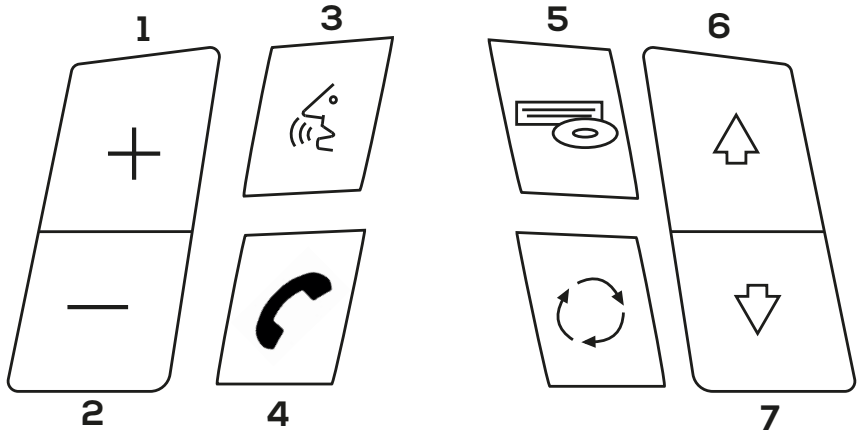
FITTING GUIDE

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

Quadlock Connector

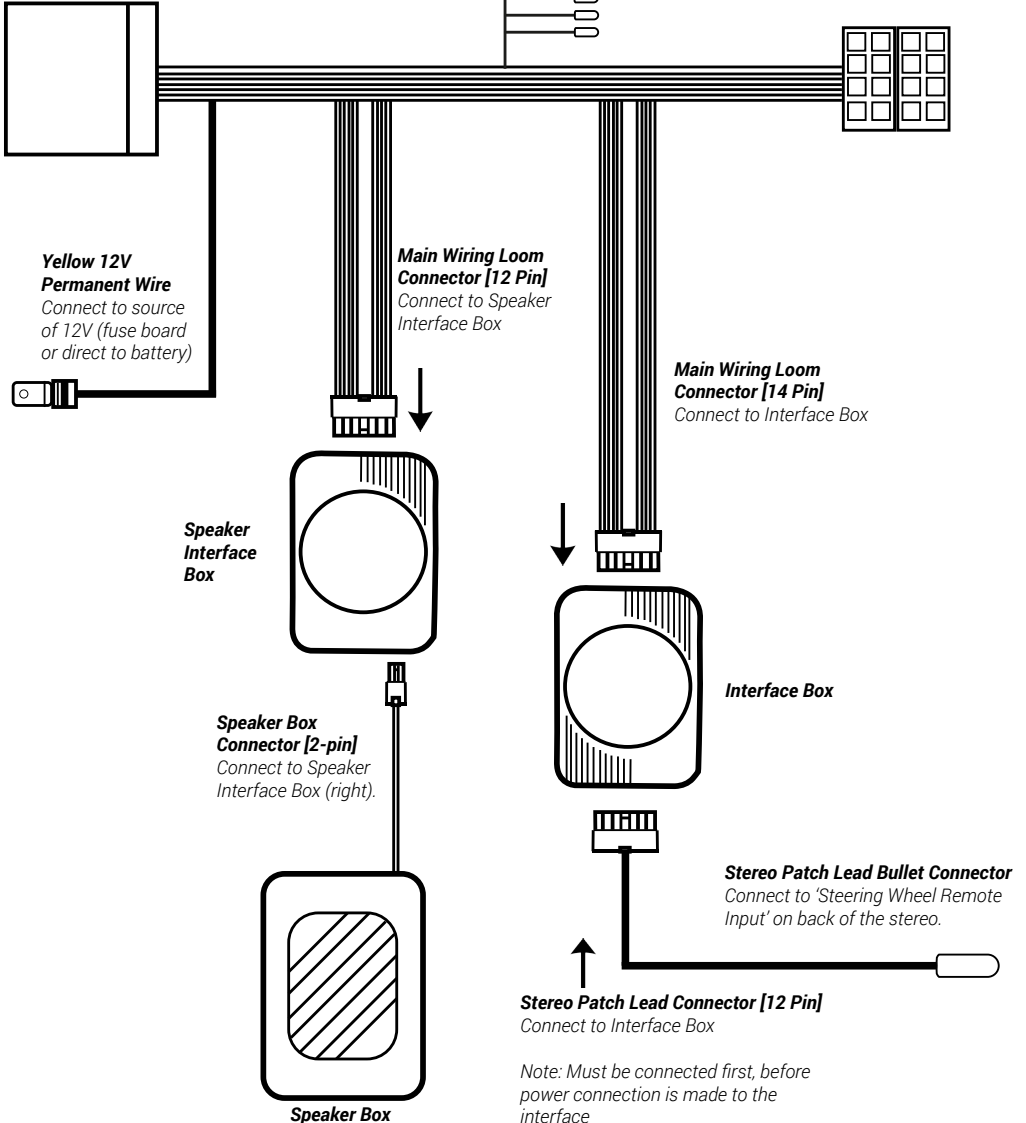
Connect to quadlock connector from vehicle

Flying Wires

Pink - Speed Pulse
 Green - Park Brake
 Purple - Reverse Gear
 Pink/Black - Mute

Male ISO Connector

Connect to aftermarket stereo





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.

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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