

TOP VEHICLE TECH.

KWPOR4

PORSCHE PANAMERA

2009-2016

INSTALLATION MANUAL

V1.0421



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

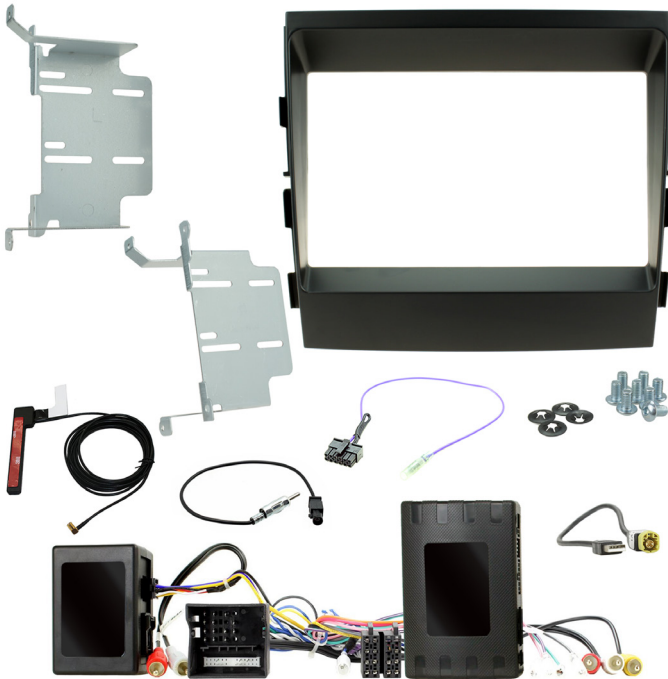
The information provided in this document is subject to change without notice due to changes and/or improvements to the product/s.

www.topvehicletech.com

ABOUT THIS PRODUCT

The **KWPOR4** 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 **KWPOR4** gives you everything you need for a complete install in one box. The components of this kit are compatible for the Porsche Panamera (2009-2016) with amplified PCM 3.1 stereos. The wiring harness and Infodapter interface will retain the steering wheel controls and factory phone buttons, vehicle settings and Aux and USB retention. It also aids in generating parking sensor graphics for the new stereo and provides an input for both an OEM and aftermarket reverse camera (if applicable). Supplied with a Quadlock connector.

NB: this installation kit is for amplified systems. Warning tones & parking sensor audio will still be active through the rear/front speakers.



CONTENTS

- 1x Fascia plate (with accessories)
- 1x Instruction manual
- 1x Steering wheel control harness and Infodapter interface (with USB retention lead)
- 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. Remove both the left and right air vents by using a flat blade. You need to release 6x clips from the inside of the vents: 2x left, 2x right, 1x top, 1x bottom. These clips are holding the vents firmly into place. Once out, disconnect the wiring.
2. Before removing the head unit, it is best to put gear shifter in either 'Drive' or '4th' gear to allow for room when removing radio.
3. Remove the 4x screws that secure the main stereo and remove whilst disconnecting 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.
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. 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. With the correct depth, attach the brackets to the fascia.
2. Secure the stereo to the fascia panel using the four star clips by pushing each clip onto a spoke located on the rear of the fascia panel.
3. When happy with the alignment, and the "***Stereo Installation***" process is complete, screw the stereo into the dashboard using the pre-existing screws. Then re-install the vents either side, re-connecting the wiring in the process.

FITTING GUIDE

BEFORE INSTALLATION - DIPSWITCHES

On this particular interface are a set of dipswitches. These dipswitches have the following properties:

- 1: OFF - Kenwood. ON - Pioneer.
- 2: OFF - NTSC reversing camera (default). ON - PAL reversing camera.
- 3: Change from OFF to ON to 'reset' screen setting to factory default.

Note: during this procedure, the screen background will change to red and no settings adjustments can be made.

- 4: Not Used.

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 8-way molex connector on the harness to the amplifier retention interface.
4. Take the vehicles fibre optic amplifier connection and attach this to the remaining port located on the amplifier retention interface.
5. Connect the 4-way connector on the camera extension harness to the interface.
6. Connect the yellow RCA connector to from the camera extension to the reverse camera input of the stereo.

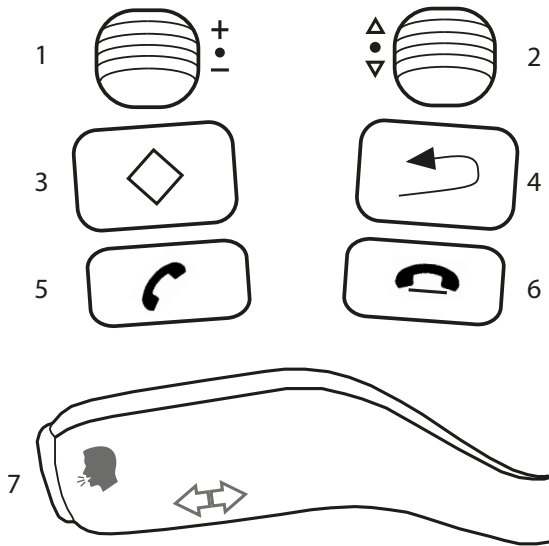
To retain factory OEM reverse camera: attach the yellow female RCA from on the camera extension harness to the male yellow RCA on the main wiring harness.

To add an aftermarket reverse camera: attach the yellow female RCA from on the camera extension harness to the male yellow RCA of the aftermarket reverse camera.

7. Connect the USB retention lead between the vehicles OEM connection and the USB connection from the stereo.
8. Connect the Red/White RCA connectors labelled 'AUX' to the back of the new stereo.
9. Connect the Red/White RCA connectors labelled 'Speaker' to the front line outputs on the back of the new stereo.
10. Connect the DAB antenna's SMB connector to the back of the new stereo.
11. Attach the antenna adapter to the vehicles pre-existing connection and the back of new stereo.
12. Attach the additional wiring on the harness to the back of the stereo:
Pink - Speed Pulse **Purple** - Reverse Gear **Green** - Park Brake **Blue** - Amp Remote **Grey** - Mute
13. 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.



STEERING WHEEL CONTROLS

- | | |
|---|----------------------------------|
| 1. Volume +/- (Scroll)
Mute (Short Press)
Enter Infodapter Menu (Long Press) | 2. Instrument Cluster Navigation |
| 3. Programmable Function
(on both Short & Long Press)* | 4. Instrument Cluster Navigation |
| 7. Source (Short Press) Voice Assist (Long Press) | 5. Pick Up |
| | 6. Hang Up |

STEERING WHEEL CONTROLS - IN INFODAPTER

- | | |
|--|----------------------------|
| 1. Menu + / Menu -
Select Menu Item (Short Press)
Exit Infodapter Menu (Long Press) | 2 - 7. Functions as above. |
|--|----------------------------|

STEERING WHEEL CONTROLS - IN PARKING MODE (when camera is active)

1. Camera / Parking Graphics Toggle (Long Press)

*PROGRAMMABLE BUTTON

The diamond button on the steering wheel can be programmed to perform specific radio functions whilst in the Infodapter menus on both a *long* and *short* press. Function options include: **Source**, **Track +**, **Track -**, **DSC +** and **DSC -**. To assign a function, enter the *Infodapter menu* and go to the '*Preferences*' sub-menu. Select the desired button function against the '*Diamond Short Press*' and '*Diamond Long Press*' options.

*NOTE: If you wish to use the diamond button as described above, ensure that the button is set to **any radio function** in the vehicle's **OEM instrument cluster menu**. If you do not wish to use the button for this purpose, ensure that both short and long press options are set to '**None**' in the Infodapter '*Preferences*' sub-menu.*

INFODAPTER FUNCTIONALITY

As well as steering wheel control functionality, this interface allows the retention of key vehicle features and functions via a bespoke 'Infodapter'. Accessing the Infodapter, you are able to navigate through the following options and settings:

INFODAPTER SETTINGS

Within 'Infodapter Settings' you are able to alter a the look and feel of the Infodapters menu/display:

Screen Size/Position

- Horizontal Size
- Horizontal Position
- Vertical Size
- Vertical Position

Picture Settings

- Brightness
- Contrast
- Saturation

Preferences

- Camera Connected - Choose the style of camera connected to the vehicle (if applicable).
- *Camera Active (**OEM/Reverse**) - Choose whether the image appears on the display when triggered by the Porsche system, or only when reverse gear is active.
- *RVC Grid Lines (**Yes/No**) - Rear view camera guidelines.
- **Reverse Priority (**Park Assist/Camera**) - Choose whether the display shows the parking graphics or reverse camera image on screen. *Note - this can also be changed instantly via the steering wheel controls.*
- **Camera Delay (**0 to 20**) - Increase camera delay to reduce 'rolling' effect on screen when switching.
- Diamond Short Press - Select '**short press**' function for steering wheel control
- Diamond Long Press - Select '**long press**' function for steering wheel control
- Park Brake Source - Set 'Park Brake' output to activate when park brake is on (**Brake**), when speed is less than 3km/h (**Speed**) or to remain on at all times (**Always On**).
- Restore Factory Settings - select 'Yes' to return all Infodapter settings to factory defaults.

**Only available when using OEM camera*

***Only available when using OEM or Aftermarket camera*

LANGUAGE & VERSION

Within the 'Language' menu, you are able to select between a wide array of dialects. This is default to English upon installation.

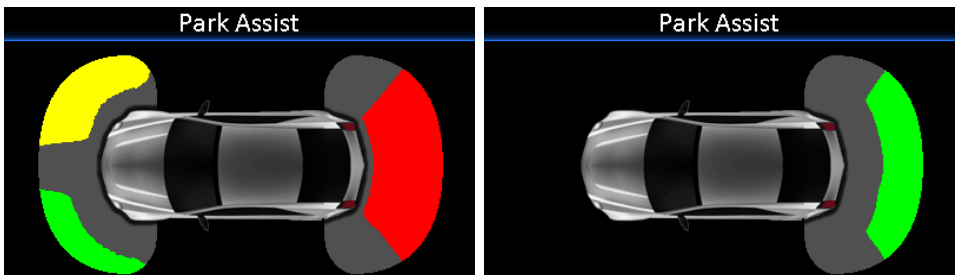
Within 'Version', you are able to view the current firmware that is being utilised by the Infodapter.

OEM PARKING SENSOR GRAPHICS

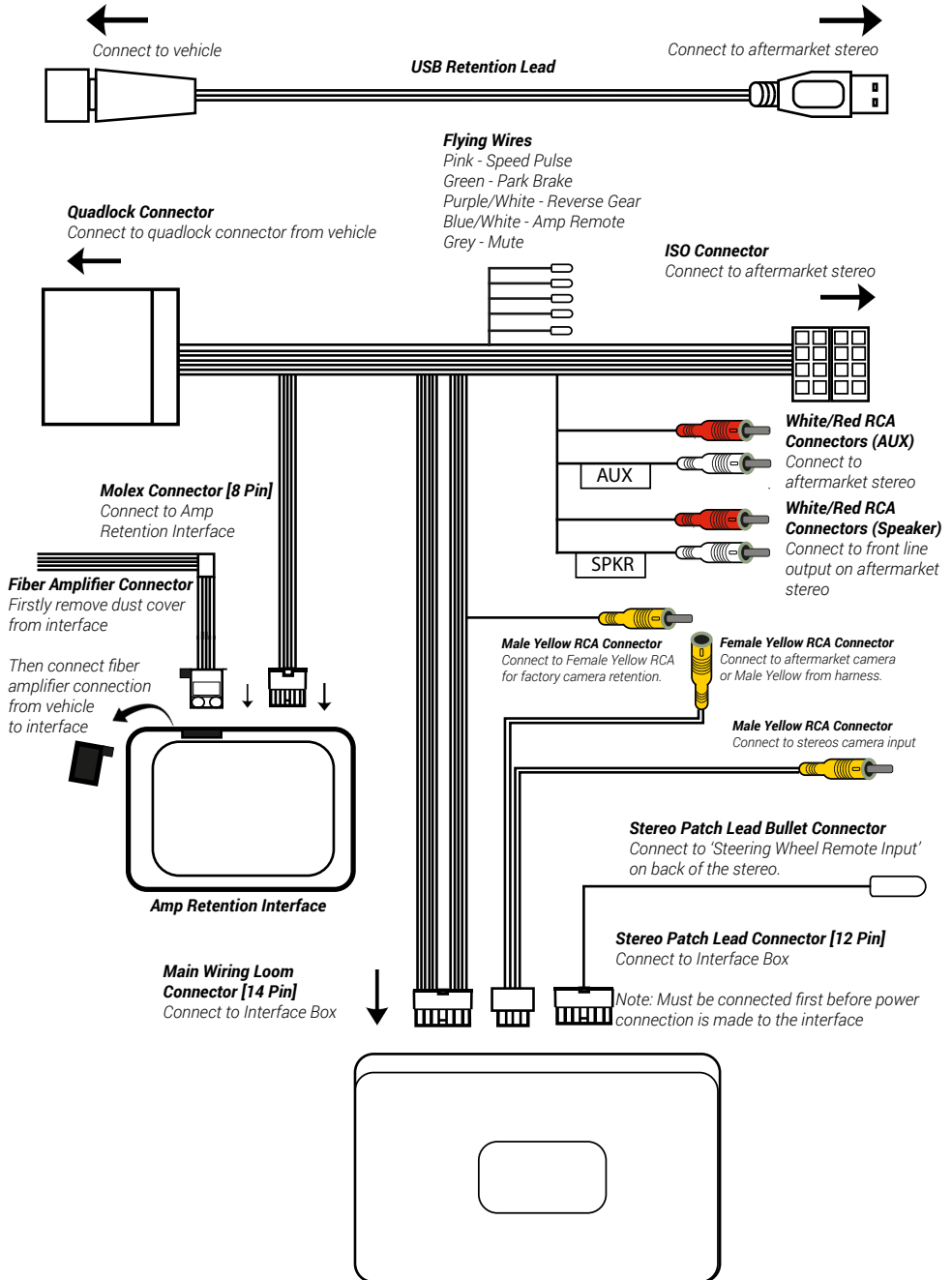
The Infodapter interface will automatically generate a replication of the OEM front/rear parking sensor graphics based on the vehicle's data. These graphics have been designed to replicate the Porsche's original data to retain the OEM feel of the system.

SWITCHING BETWEEN CAMERA & GRAPHIC DISPLAY MODES

To toggle between the reversing camera and the parking graphics while one is active on screen, hold down the Volume button (**1**) whilst the camera or graphics are active. This setting can be changed by the '**Reverse Priority**' setting in the '**Preferences**' sub-menu.



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.

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

Copyright 2021 by TopVehicleTech.

All rights reserved. No part of this publication may be reproduced, distributed or transmitted in any form or by any means, including photocopying, recording, copying or other electronic or mechanical methods, without the prior written permission of the author.