

Installation Instructions for in2digi D-JV-2 Series Digital Radio

Product Information

NOTE:

Antenna placement, cable routing and grounding is critical in any DAB installation.

Please ensure you carefully read all installation documentation and referenced instructions (stored at www.in2digi.com website).

Step 1

If the installation of the in2digi module is as a replacement to upgrade the vehicle from an OEM fitted DAB to DAB+ functionality then no further vehicle configuration update is required.

For a new installation then a vehicle configuration update is required – see Appendix 1.

This process usually needs to be completed by a JLR dealer.

Step 2

Install the antenna as directed by the manufacturer's instructions.

***The in2digi installation documentation offers guidance for positioning. Final vehicle placement rests with the fitter and should support optimal reception performance.*

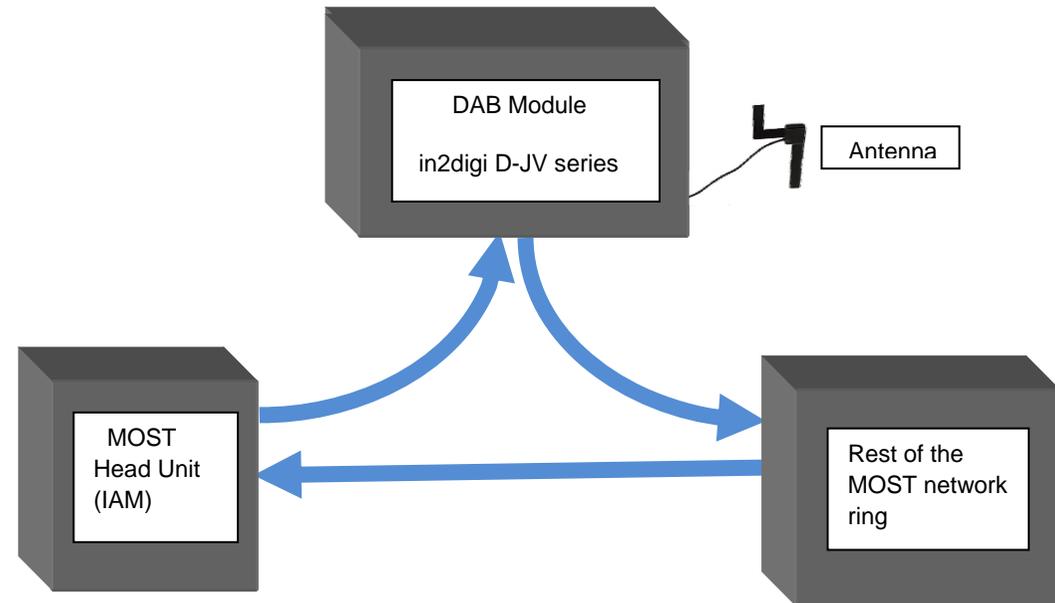
Route the antenna cable to the DAB module ensuring that it does not obstruct any potential air bag deployment.

Stow any excess cable carefully ensuring that any cable bend has at least a 10mm radius.

Step 3

The DAB module fitment positioning (suggested solutions for differing vehicle platforms follows) has an associated dependency for power selection.

Please refer to document “JLR DAB Module Power” for details.



Step 4

The DAB module needs to be added into the Infotainment fibre optic ring. All required joiner parts are supplied with the product.

Please refer to documentation “DAB Module Ring Optics” for details.

Finalisation:

Ensure that the correct module firmware version is loaded for the target vehicle application.

With steps 1 to 4 complete then the system is ready to be run.

If required, please refer to document “Clearing the DAB Station List (for non UK markets)” for details.

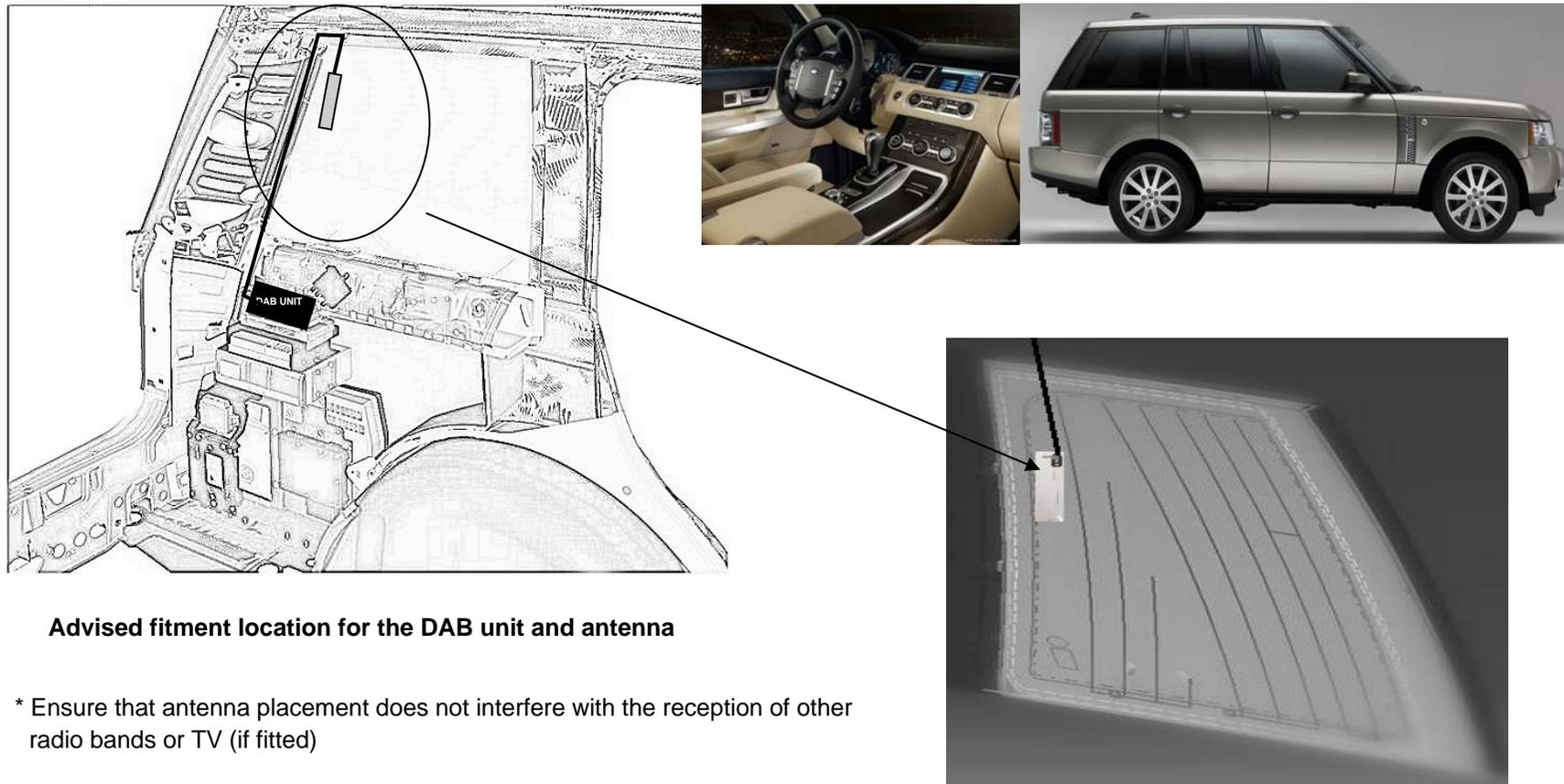
It is always advisable to check that the module has the latest firmware version loaded. Please refer to document “D-JV-2 Firmware Version Read Process” for details on how to check the version

Installation of in2digi D-JV-2 Series Unit and Antenna Range Rover Model Year (2010 to 2012)

NOTE:

This vehicle platform utilises Gen1 firmware. Confirmation of system is gained with reference to document "in2digi - JLR Vehicle Data"

Disclaimer – in2digi accept no liability for non optimal system performance resulting from any installation



Advised fitment location for the DAB unit and antenna

* Ensure that antenna placement does not interfere with the reception of other radio bands or TV (if fitted)

** If the windscreen is selected for antenna placement then ensure that it does not have a heating element. With a fitted heating element then the antenna must be fully contained within the element free area adjacent to the A-pillar – care must be applied for such placement.

Installation of in2digi D-JV-2 Series Unit and Antenna Range Rover Model Year (2013 to 2016)

NOTE:

This vehicle platform utilises Gen2.1 firmware. Confirmation of system is gained with reference to document “in2digi - JLR Vehicle Data”

This refreshed vehicle platform may not have an available optical ring connection in the rear luggage space

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Advised fitment location for the DAB unit and antenna

1. Easiest location is in the front footwell / windscreen
2. Alternative location is rear RHS luggage space / quarter glass

* Ensure that antenna placement does not interfere with the reception of other radio bands or TV (if fitted)

** If the windscreen is selected for antenna placement then ensure that it does not have a heating element. With a fitted heating element then the antenna must be fully contained within the element free area adjacent to the A-pillar – care must be applied for such placement.



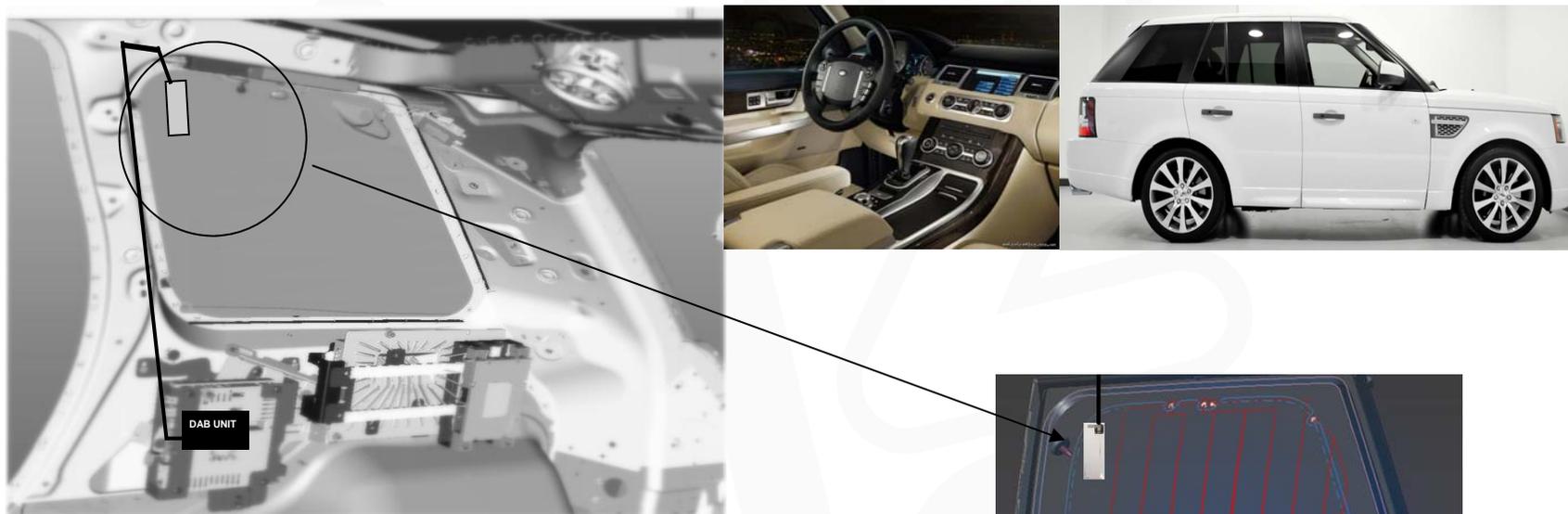
Gen2.1 Svstem

Installation of in2digi D-JV-2 Series Unit and Antenna Range Rover Sport Model Year (2010 to 2012)

NOTE:

This vehicle platform utilises Gen1 firmware. Confirmation of system is gained with reference to document "in2digi - JLR Vehicle Data"

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Advised fitment location for the DAB unit and antenna

* Ensure that antenna placement does not interfere with the reception of other radio bands or TV (if fitted)

** If the windscreen is selected for antenna placement then ensure that it does not have a heating element. With a fitted heating element then the antenna must be fully contained within the element free area adjacent to the A-pillar – care must be applied for such placement.

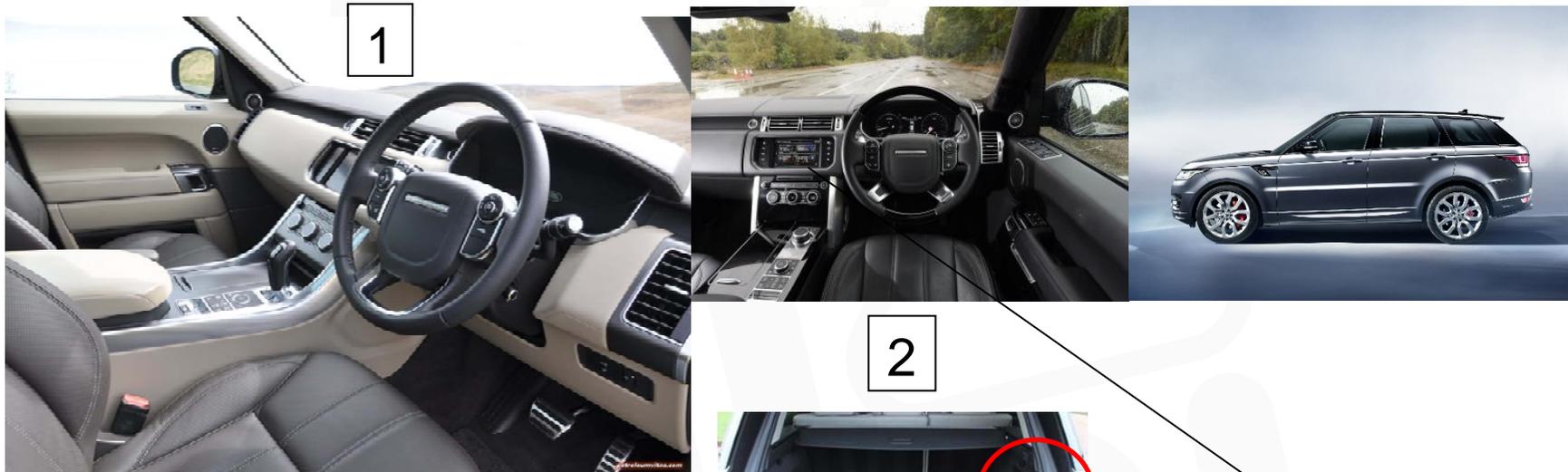
Installation of in2digi D-JV-2 Series Unit and Antenna Range Rover Sport Model Year (2013 to 2016)

NOTE:

This vehicle platform utilises Gen2.1 firmware. Confirmation of system is gained with reference to document “in2digi - JLR Vehicle Data”

This refreshed vehicle platform may not have an available optical ring connection in the rear luggage space

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Advised fitment location for the DAB unit and antenna

1. Easiest location is in the front footwell / windscreen
2. Alternative location is rear RHS luggage space / quarter glass

* Ensure that antenna placement does not interfere with the reception of other radio bands or TV (if fitted)

** If the windscreen is selected for antenna placement then ensure that it does not have a heating element. With a fitted heating element then the antenna must be fully contained within the element free area adjacent to the A-pillar – care must be applied for such placement.



Gen2.1 System

Installation of in2digi D-JV-2 Series Unit and Antenna Land Rover Discovery Model Year (2010 to 2012)

NOTE:

This vehicle platform utilises Gen1 firmware. Confirmation of system is gained with reference to document "in2digi - JLR Vehicle Data"

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Advised fitment location for the DAB unit and antenna

* Ensure that antenna placement does not interfere with the reception of other radio bands or TV (if fitted)

** If the windscreen is selected for antenna placement then ensure that it does not have a heating element. With a fitted heating element then the antenna must be fully contained within the element free area adjacent to the A-pillar – care must be applied for such placement.

Installation of in2digi D-JV-2 Series Unit and Antenna Land Rover Discovery Model Year (2013 to 2015)

NOTE:

This vehicle platform utilises Gen2.1 firmware. Confirmation of system is gained with reference to document "in2digi - JLR Vehicle Data"

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Advised fitment location for the DAB unit and antenna

* Ensure that antenna placement does not interfere with the reception of other radio bands or TV (if fitted)

** If the windscreen is selected for antenna placement then ensure that it does not have a heating element. With a fitted heating element then the antenna must be fully contained within the element free area adjacent to the A-pillar – care must be applied for such placement.



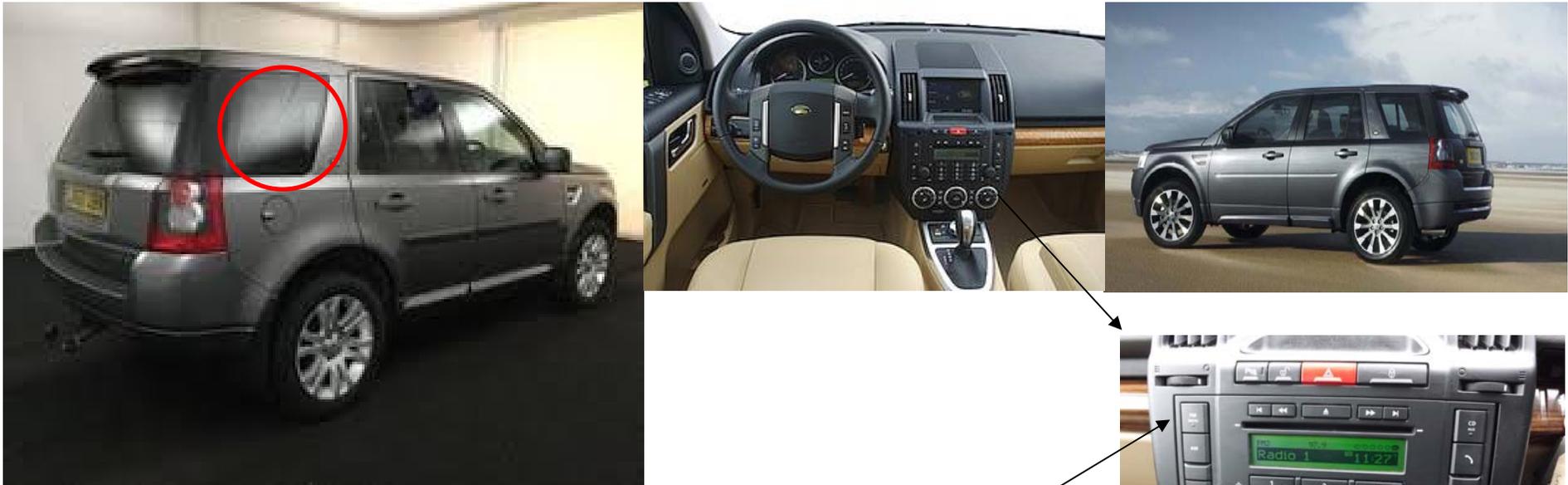
Gen2.1 System

Installation of in2digi D-JV-2 Series Unit and Antenna Land Rover Freelander 2 Model Year (2009 to 2012)

NOTE:

This vehicle platform utilises Gen2 firmware.

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Advised fitment location for the DAB unit and antenna

- Rear Quarter Glass

* Ensure that antenna placement does not interfere with the reception of other radio bands or TV (if fitted)

** If the windscreen is selected for antenna placement then ensure that it does not have a heating element. With a fitted heating element then the antenna must be fully contained within the element free area adjacent to the A-pillar – care must be applied for such placement.

FM
DIGITAL

Head Unit **MUST** have this button identification for applicability to upgrade to DAB

Installation of in2digi D-JV-2 Series Unit and Antenna Land Rover Freelander 2 Model Year (2013 to 2015)

NOTE:

This vehicle platform utilises Gen2.1 firmware.

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Advised fitment location for the DAB unit and antenna - Rear Quarter Glass

* Ensure that antenna placement does not interfere with the reception of other radio bands or TV (if fitted)

** If the windscreen is selected for antenna placement then ensure that it does not have a heating element. With a fitted heating element then the antenna must be fully contained within the element free area adjacent to the A-pillar – care must be applied for such placement.



Low Line System (GS)

Installation of in2digi D-JV-2 Series Unit and Antenna Range Rover Evoque Model Year (2012 to 2015)

NOTE:

This vehicle platform utilises Gen2.1 firmware. Confirmation of system is gained with reference to document “in2digi - JLR Vehicle Data”

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Advised fitment location for the DAB unit and antenna

1. Easiest location is in the front footwell / windscreen
2. Alternative location is rear RHS luggage space / quarter glass

* Ensure that antenna placement does not interfere with the reception of other radio bands or TV (if fitted)

** If the windscreen is selected for antenna placement then ensure that it does not have a heating element. With a fitted heating element then the antenna must be fully contained within the element free area adjacent to the A-pillar – care must be applied for such placement.



2



Gen2.1 Svstem

Installation of in2digi D-JV-2 Series Unit and Antenna Jaguar XF Model Year (2008 to 2011)

NOTE:

This vehicle platform utilises Gen2 firmware. Confirmation of system is gained with reference to document "in2digi - JLR Vehicle Data"

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Advised fitment location for the DAB unit and antenna

* Ensure that antenna placement does not interfere with the reception of other radio bands or TV (if fitted)

Check also that there is no interference from the heated rear screen

** If the windscreen is selected for antenna placement then ensure that it does not have a heating element. With a fitted heating element then the antenna must be fully contained within the element free area adjacent to the A-pillar



Gen2 System

Installation of in2digi D-JV-2 Series Unit and Antenna Jaguar XF Model Year (2012 to 2015)

NOTE:

This vehicle platform utilises Gen2.1 firmware. Confirmation of system is gained with reference to document “in2digi - JLR Vehicle Data”

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Advised fitment location for the DAB unit and antenna

* Ensure that antenna placement does not interfere with the reception of other radio bands or TV (if fitted)

Check also that there is no interference from the heated rear screen

** If the windscreen is selected for antenna placement then ensure that it does not have a heating element. With a fitted heating element then the antenna must be fully contained within the element free area adjacent to the A-pillar



Gen2.1 System

Installation of in2digi D-JV-2 Series Unit and Antenna Jaguar XK Coupe Model Year (2008 to 2015)

NOTE:

This vehicle platform utilises Gen2 firmware. Confirmation of system is gained with reference to document "in2digi - JLR Vehicle Data"

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Advised fitment location for the DAB unit and antenna

1. Location is rear LHS trunk space / quarter glass
2. Alternative location is in the front footwell / windscreen

* If the windscreen is selected for antenna placement then ensure that it does not have a heating element. With a fitted heating element then the antenna must be fully contained within the element free area adjacent to the A-pillar – care must be applied for such placement.



Installation of in2digi D-JV-2 Series Unit and Antenna Jaguar XK Convertible Model Year (2008 to 2013 / 2014)

NOTE:

This vehicle platform utilises Gen2 firmware. Confirmation of system is gained with reference to document "in2digi - JLR Vehicle Data"

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Advised fitment location for the DAB unit and antenna

- Front footwell / windscreen

- * If the windscreen is selected for antenna placement then ensure that it does not have a heating element. With a fitted heating element then the antenna must be fully contained within the element free area adjacent to the A-pillar – care must be applied for such placement.



Gen2 System

Installation of in2digi D-JV-2 Series Unit and Antenna Jaguar XJ Model Year (2010 to 2015)

NOTE:

This vehicle platform utilises Gen2.1 firmware. Confirmation of system is gained with reference to document "in2digi - JLR Vehicle Data"

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Advised fitment location for the DAB unit and antenna

- * Ensure that antenna placement does not interfere with the reception of other radio bands or TV (if fitted)

Check also that there is no interference from the heated rear screen

- ** If the windscreen is selected for antenna placement then ensure that it does not have a heating element. With a fitted heating element then the antenna must be fully contained within the element free area adjacent to the A-pillar



Gen2.1 System

Appendix 1: Instructions for Jaguar Land Rover service tool to enable in2digi DAB

in2digi D-JV-2 Series



USB Host Interface

DAB Antenna connector



Power

Fibre Optic Connector

LAND-ROVER SDD TOPIX

Bulletins Workshop Manual Wiring Diagrams Electrical Reference Library

Vehicle Settings Sessions

Session Recommendations

Service Functions

| Icon | Description | Status | Options |
|------|---|---------|---------------------|
| | Special applications - High voltage decommissioning | Not run | Run |
| | Special applications - High voltage circuit insulation test | Not run | Run |
| | Special applications - High voltage circuit bonding test | Not run | Run |

Body, Accessories, Security

| Type | Description | Status | Options |
|------|---|---------|---------------------|
| | Add/remove accessories - Add navigation system (India/Israel markets) | Not run | Run |
| | Add/remove accessories - Customer personalisation features | Not run | Run |
| | Add/remove accessories - in2digi D-JLR series digital radio | Not run | Run |
| | Add/remove accessories - Tire size (rolling circumference) | Not run | Run |
| | Add/remove accessories - Tow bar | Not run | Run |
| | Body systems - Driver's side - Door glass window calibration | Not run | Run |
| | Body systems - Ignition cycle counter reset | Not run | Run |
| | Body systems - Lock steering tune to vehicle | Not run | Run |
| | Body systems - Passenger's side - Door glass window calibration | Not run | Run |
| | Body systems - Power steering soft-lock end stops reset routine | Not run | Run |

jmckay2 - New Range Rover Sport (L494) 518408 - 17 Jun 2016 13:24 (316.23 v.242)

The JLR VCI is connected.

Done Trusted sites | Protected Mode: Off 100%

JLR introduced a new SDD application to allow the installation of the in2digi DAB / DAB+ module

“Add/Remove Digital Broadcasting (DAB) Accessory”

The ‘in2digi D-JV-2 series’ module is now available as an optional fit accessory in Europe, S. Korea and Australia

Appendix 2: Upgrading Software for in2digi D-JV-2 Series Digital Radio

in2digi D-JV-2 Series

* A reference video is available on the website: www.in2digi.com/support/
(the process principle is the same for this product series)

** Ideally a USB stick with 4GB or less capacity should be used

(tip – if an 8GB stick is used then it may require two consecutive upload cycles to achieve a successful update)

Upgrading Software:

1. The latest software is downloadable from www.in2digi.com/support/D-JV-2/
2. The filename is “**DAB_UPDA.BIN**”
3. Save the file to a host computer and (**! IMPORTANT!**) make sure that the extension “**.BIN**” is not changed by any default setting
4. Ensure that the USB stick to be used is formatted as FAT / FAT32
5. Ideally, delete existing files on the USB stick
6. Copy the upgrade file to the USB stick (*this is a one-shot process*)
7. Use the Windows or MacOS facility to safely eject the USB stick, thus ensuring the file was correctly stored on the USB stick.

Module update:

8. Ensure that the power of the D-JV-2 module is disconnected.
9. Insert the USB stick into the USB slot.
10. Re-fit the module power connector - on power up, the module checks for a USB connection.

(If the USB stick has a light then there is a particularly noticeable light sequence where the light will flash for a few seconds and then pause but will then flash again for a few more seconds. If this sequence is observed then the upload would usually be successful).

11. After 30 seconds power down the module, remove the USB stick and check at the host computer that the file has been renamed to “**DAB_UPDA.YES**”
12. Delete the renamed file from the USB stick
13. For the upgraded system then a new Auto-tune is required



USB Interface

Upgrading Configuration:

For specific internal configuration parameter changes (if needed)
- upload “**CFG_UPDA.CFG**”

Follow the same process as for a firmware update

A successful upload is indicated by the update of the filename
- “**CFG_UPDA.YES**”