



Parkes Dynamic Retrofits

Android 10 Owners manual

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Non Manufacturer specific

Menus & Operation

A. Press the car icon

A1. "General Settings" menu

1. Rear Camera Type: Select the type of reverse camera installed (original for original rear camera or original parking sensors to be displayed on the screen when reverse is selected)
2. Activate 360 Camera: Only tick this option if 360 cameras are installed, this will turn each camera on when indicating, turning or reversing.
3. Voice Command: Tick this option to enable voice commands for the unit
4. AC Mode: Choose between single or dual zone
5. SWKEY Function: Choose what the steering wheel shortcut button does
6. Back to Keep: Set duration
7. Speed Unit: Select between KM/h or MPH
8. Swap F-Door – Choose to swap door sides (swap for RHD, normal for LHD)
9. Swap R-Door – Choose to swap door side (swap for RHD, normal for LHD & Hide to not show)
10. Navigation Gain: Adjust the gain on the navigation volume
11. System tactile feedback – tactile feedback when using the device
12. Full-Screen display of the original car – OEM menus fill the screen (stretched)

A2. Press & hold "General Settings" for 10 seconds to open up hidden menus

1. Factory Head Unit Parameter Settings:
2. AUX Mode operation steps – how many attempts should be made to switch AUX
3. AUX Position in Audi Media Source Mode – AUX position in Audi Media Menu
4. Original Menu Resolution Adjustment – if the OEM menus appear too large you can adjust the resolution for them here
5. Vehicle Type – Choose between 3 different types
6. Resolution Adaptive – automatically adapt resolution (new LVDS only)
7. LVDS Type – select input type of the OEM signal

A3. CANBUS Info

1. Access to upgrade menus should CANBUS update files be required

B. Shortcut wheel around the car icon:

- B1. Setup – Access Google OS settings
- B2. Dashboard – Access speedometer dashboard
- B3. Apps – Access Google OS apps & installed APK's
- B4. Gallery – Access pictures stored on the device
- B5. Media – Access Media files stored on the device
- B6. MMI Menu – Return to OEM screen options
- B7. Navi – Shortcut to open Navigation app
- B8. Smart Seat – Shortcut for the Smart Seat add on

- B9. Air Purifier – Shortcut for the Air Purifier add on
- B10. AutoLink – Shortcut for Android Auto & CarPlay app
- B11. Bluetooth – Bluetooth connection for the screen

B1. Setup: Here you can adjust all of the typical android operating system settings, there is however an additional menu not found on most Android devices "Car Infotainment". In this menu you can adjust Display, Volume, Spimd, Video, Navigation, Bluetooth & About Device. Selecting a Menu will open options which can be adjusted to better meet your requirements and preferences.

B2. Dashboard: Selecting this will open the speedo & RPM dials on the screen, as data is collected over CANBUS there may be a slight delay and, with some CANBUS information may not be totally accurate. To exit this display use either the back arrow or swipe down from the top & press the home icon.

B3.Apps – All installed apps, including pre-installed DSP, AutoLink, 360 camera, DVR APK's, Google Play Store etc. Apps can be managed from the APK Installer app in this menu.

B4. Gallery – Some images are pre-installed, you can however copy images to the device by plugging in a USB drive into the non CarPlay USB

B5. Media – Some media items are pre-installed, you can however copy any media files to the device by plugging in a USB drive into the non CarPlay USB

B6. Returns you to the OEM system

B7. Navi – Opens the Navigation app which is saved in the "Car Infotainment" settings in the "Setup" menu

B8. Smart Seat – Only applicable to those vehicles with Smart Seat device installed

B9. Air Purifier – Only applicable to those vehicles with Air Purifier device installed

B10. Autolink – shortcut to the integrated CarPlay/Android Auto app – this is an additional item which comes pre-installed and allows the use of CarPlay & Android Auto on the device without the need for additional dongles or hardware. Once activated:

- 1: Settings – change driver position, auto-connect & hide when not connected.

B11. Bluetooth – Shortcut to access the bluetooth connection (1 way) of the screen to allow bluetooth streaming of music, calls and when a compatible device is connected this will automatically open the AutoLink app unless auro-connect is set to off.

Please refer to an install guide for installation questions, we recommend installation by a professional & competent person.

Useful Tips

Time: Setup – Device information -Time & Date – Deactivate automated time & date, enter region, reactivate automated time & date. Select between Network Time, GPS Time or off.

Checking GPS signal – Apps – GPS Test – display will show if the antenna position allows for accurate GPS

DSP – Generally all of German manufacturers systems are bass orientated and we set our DSP to be flat, if you are suffering bad sound from an AUX you may need to adjust the setting in the DSP to suit an output you are comfortable with. Such recommendations are:

20, 50, 80Hz to be adjusted up 1 step

8K, 12K, 16K to be adjusted down 1 step

if you receive static please adjust band up to 5K until the static is no longer present.

Sound output is effected by minor details such as length of wiring, routing of the wiring and any connectors, cabling ground issues, aftermarket components etc.

Bluetooth streaming & Samsung phones:

It is a well known problem that Android phones can suffer from poor quality audio when streaming via bluetooth, should this happen you will need to unpair all bluetooth devices, reboot the phone multiple times, diasble DOLBY ATMOS. This is not a device fault.

Touch correction – Touch calibration can be carried out by touching all 5 fingers on the display for approx 10 seconds until the calibration sequence is started, follow on screen prompts to complete calibration.

Green scrambled screen – there are 2 causes for this, one being the LVDS cable is not connected correctly, the other being the boot process is lagging, this is mainly when the boot up logo has been changed. Should this happen and the LVDS connection has been checked please contact enquiries@p-d-r.co.uk and we can send a video on completing a hard reset. If a hard reset fails we will need to reflash the firmware.

Carplay transmits data over wifi and as such the wifi will need reconnecting to a hotspot after carplay if the device is intended to be used as a stand alone unit. We recommend using a sim card in the device for such instances.

Device information

Each device is tested before shipping to confirm correct operation of all sound outputs, touch screen responsiveness and bluetooth, GPS, Wi-Fi & 4G operation. This manual covers all Android 10 units for multiple manufacturers and some functions, menus & operations may be restricted on some devices.

Whilst the device is able to run video playing apps we recommend not playing videos or any items which could distract you from driving whilst operating a motor vehicle. Please check and abide by all local laws. We will not be held responsible for any damage caused whilst installing or operating our device and we recommend installation be carried out by a professional. Please refrain from using your device in extreme temperatures. The safe operating range for the device is -10 to 60 celsius, temperatures beyond these may effect operation, functionality and reliability of the unit. Please refrain from allowing the device to come into contact with any liquids, also refrain from using sharp objects, cleaners, cloths on the device as this may cause irreparable damage. Any attempts to modify, alter or interfere with the device will invalidate any warranty or guarantee on the device. For specific warranty, guarantee and rights please refer to your suppliers terms and conditions. We do not guarantee, represent or warrant that your use of our service will be uninterrupted, timely, secure or error-free. We do not warrant that the results that may be obtained from the use of the service will be accurate or reliable. You agree that from time to time we may remove the service for indefinite periods of time or cancel the service at any time, without notice to you. You expressly agree that your use of, or inability to use, the service is at your sole risk. The service and all products and services delivered to you through the service are (except as expressly stated by us) provided 'as is' and 'as available' for your use, without any representation, warranties or conditions of any kind, either express or implied, including all implied warranties or conditions of merchantability, merchantable quality, fitness for a particular purpose, durability, title, and non-infringement. In no case shall Parkes Dynamic Retrofits, our directors, officers, employees, affiliates, agents, contractors, interns, suppliers, service providers or licensors be liable for any injury, loss, claim, or any direct, indirect, incidental, punitive, special, or consequential damages of any kind, including, without limitation lost profits, lost revenue, lost savings, loss of data, replacement costs, or any similar damages, whether based in contract, tort (including negligence), strict liability or otherwise, arising from your use of any of the service or any products procured using the service, or for any other claim related in any way to your use of the service or any product, including, but not limited to, any errors or omissions in any content, or any loss or damage of any kind incurred as a result of the use of the service or any content (or product) posted, transmitted, or otherwise made available via the service, even if advised of their possibility. Because some states or jurisdictions do not allow the exclusion or the limitation of liability for consequential or incidental damages, in such states or jurisdictions, our liability shall be limited to the maximum extent permitted by law. In the event that any provision of these Terms of Service is determined to be unlawful, void or unenforceable, such provision shall nonetheless be enforceable to the fullest extent permitted by applicable law, and the unenforceable portion shall be deemed to be severed from these Terms of Service, such determination shall not affect the validity and enforceability of any other remaining provisions. Should your product develop a fault it is covered by a 12 month return to base warranty, you will need to notify your supplier via email of the issue and provide your purchase receipt and both video and photographic evidence of the fault. If you are instructed, upon receipt of the item it will be tested and investigate the fault and repair or replace the item at our discretion. If the fault is found to be due to an outside influence such as installation or other external factors you will be responsible for the cost of returning the product.

We do not guarantee any functionality of accessories. In case of accessory function failure due to the manufacturer's material and workmanship, Apple Inc, and Google LLC are providing such services namely "CarPlay" and "Android Auto" without any warranty that it will work as expected. Should this function on our units not function as "expected" this will not entitle the purchaser to terminate the sales contract. In addition we do not guarantee the compatibility or the duration that any additional items, whether it be software, hardware, apps or alike will remain functioning as these are third party provided and beyond our control. Parkes Dynamic Retrofits UK Ltd cannot be held responsible for these goods or services as this nature of the device is provided without warranty. Should you have any questions you can submit these in writing to our registered office at:

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or by email to:

enquiries@p-d-r.co.uk