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- To take full advantage of the unit, you should be familiar with the engine.
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Safety Precautions and Warnings

To prevent personal injury or damage to vehicles and/or the device, read this user manual first carefully and observe the following safety precautions at a minimum whenever working on a vehicle:

- Handle the device with care. If the device is dropped, check for breakage and any other conditions that may affect its operation.

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- Do not operate the tool in explosive atmospheres, such as in the presence of flammable liquids, gases, or heavy dust.
- Turn off the ignition switch while plugging or unplugging the device.
- Always remove the device once testing and/or diagnosis is complete. Failure to do so may result in a drained or weakened battery.
- Do not expose the device to rain or wet conditions.
- Keep the tool dry, clean, and free of oil, water or grease. Use a mild detergent on a clean cloth to clean the outside of the device when necessary.
- Always perform automotive testing in a safe environment.
- Keep clothing, hair, hands, tools, test equipment, and other objects away from all moving or hot engine parts.
- Operate the vehicle in a well-ventilated work area: Exhaust gases are poisonous.
- Chock the drive wheels and never leave the vehicle unattended while running tests.
- Use extreme caution when working around the ignition coil, distributor cap, ignition wires and spark plugs. These components create hazardous voltages when the engine is running.
- Put the transmission in P (for A/T) or N (for M/T) and make sure the parking brake is engaged.
- Keep a fire extinguisher suitable for gasoline, chemical, and electrical fires within the work area.

Compliance Information

FCC ID: XUJLAUNCHAI0BD

IC: 29886-DS408

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s) and part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference; and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Cet appareil contient de (s) émetteur(s)/récepteur(s) exempt(s) de licence qui est(sont) conforme(s) aux CNR exempts de licence d'Innovation, Sciences et Développement économique Canada et à la partie 15 des règles de la FCC. Le fonctionnement est soumis aux deux conditions suivantes:

- (1) L'appareil ne doit pas causer d'interférences nuisibles; et
- (2) L'appareil doit accepter toute interférence reçue, y compris les interférences susceptibles de provoquer un fonctionnement indésirable.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Pour maintenir la conformité avec les directives d'exposition RF d'ISDE et de la FCC, cet équipement doit être installé et utilisé avec une distance minimale de 20 cm entre le radiateur et votre corps: utilisez uniquement l'antenne fournie.

To maintain compliance with ISED and FCC RF exposure guidelines, this equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body: use only the supplied antenna.

This device is in compliance with the essential requirements and other relevant provisions of Radio Equipment Directive 2014/53/EU. The RF frequencies can be used in Europe without restriction.

Table of Contents

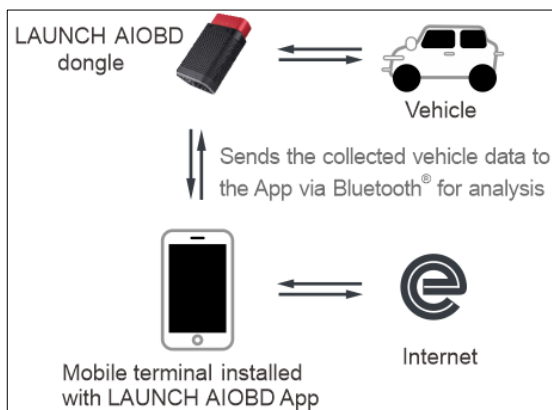
1 Overview	1
1.1 Introduction	1
1.2 Main Features	1
1.3 Components and Controls	2
1.4 Technical Specifications	2
1.5 Packing List	2
2 Initial Use	3
2.1 Downloading and Installing the App	3
2.2 Registration and Activation	3
2.3 Home Screen	4
3 Preparations	5
3.1 Software Subscription	5
3.2 Vehicle Connection	5
3.3 Bluetooth Communication	6
4 System Diagnostics	7
4.1 Health Report	9
4.2 System Selection	10
5 OBDII Diagnostics	14
6 LAUNCH AI	16
7 Software Update	17
8 Mail	18
Warranty	19

1 Overview

1.1 Introduction

LAUNCH AIOBD is a professional diagnostic device designed to work exclusively with LAUNCH AIOBD App, offering comprehensive coverage across almost all vehicle makes, systems, and functions. Simply plug the device into your vehicle's OBD II port, pair it via Bluetooth, and you can perform full-system vehicle diagnostics.

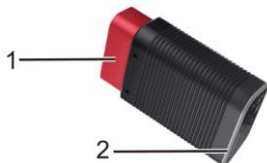
LAUNCH AIOBD consists of the LAUNCH AIOBD dongle and the dedicated LAUNCH AIOBD App. The following illustration explains how the system works.



1.2 Main Features

- Most of the vehicle makes, systems, and functions coverage;
- Bluetooth communication;
- Online diagnostic software subscription and download;
- One-key software upgrade;
- Applies to both Android and iOS platform, simple interface, and easy to operate;
- LAUNCH AI-based platform to offer instant online help at any time.

1.3 Components and Controls



1. OBD II 16-pin Diagnostic Connector

Connect to the Data Link Connector (DLC) of the vehicle.

2. LED Indicator

- Solid green: The dongle is connected to the DLC of the vehicle.
- Solid blue: The dongle is paired via Bluetooth successfully.
- Flashing blue: The dongle is communicating with the vehicle.
- Solid red: The upgrade is not successful.

1.4 Technical Specifications

- Product model: LAUNCH AIOBD
- Working voltage: 9-18V DC
- Working temperature: 0°C to 50°C (32°F to 122°F)

1.5 Packing List

The following packing list is for reference only. For details, consult the seller or check the packing list supplied with this device.

1. LAUNCH AIOBD dongle x 1
2. Quick Start Guide x 1

2 Initial Use

2.1 Downloading and Installing the App

You can download the LAUNCH AIOBD App for free in the following two ways:

- **Download the App from Google Play or App Store**

Perform the steps below:

- 1). Open Google Play or App Store on your mobile device.
- 2). Input the keywords "LAUNCH AIOBD" in the search bar.
- 3). Download and install the App.

- **Scan the QR code**

You can also scan the QR code below or in the quick start guide or on the package to download and install the LAUNCH AIOBD App.



After the installation is completed, the icon "LAUNCH AIOBD" will appear on the home screen of your mobile device.

2.2 Registration and Activation

For initial use, you need to go through the registration process, and activate the device using the Product S/N and Activation Code included in the cover of the quick start guide.

Follow the on-screen instructions to complete the process and log in the App. The system will automatically navigate to the Home screen.

*Notes:

- The LAUNCH AIOBD dongle can only be activated once. After the device is successfully activated, the activation code will be invalid.
- If you forgot your password, tap **Reset Password** on the login screen and follow the on-screen instructions to reset your password.

2.3 Home Screen

Log in the LAUNCH AIOBD App, and it will navigate to Home screen by default. There are three tabs at the bottom of the Home screen, including **Home**, **Mall**, and **More**.

1. Home tab

It mainly includes four modules: Fault Detection, OBDII, LAUNCH AI, and Update. You can start diagnostic sessions, perform OBDII diagnostics, upgrade the software, search on the LAUNCH AI platform, view the diagnostic report, etc.

2. Mall tab

Tap **Mall** to show all the vehicle diagnostic software that are available for subscription.

3. More tab

Tap **More** to get access to the user manual, DLC location, and other support information.

All the saved diagnostic reports can be accessed by tapping **Report** in the upper right corner of the Home screen.

3 Preparations

3.1 Software Subscription

Prior to diagnosing a vehicle, it is recommended to subscribe to and download the corresponding vehicle diagnostic software first. You can also purchase the software during the diagnostic process.

To subscribe to the vehicle diagnostic software, follow the steps below:

- 1). Tap **Mall** on the bottom of the Home screen.
- 2). Select the target software directly, or type the software name in the search box to find the software.
- 3). Follow the on-screen instructions to complete the payment.

***Note:** The software activates immediately upon purchase, so it is generally non-refundable. Always double check your order details before payment.

3.2 Vehicle Connection

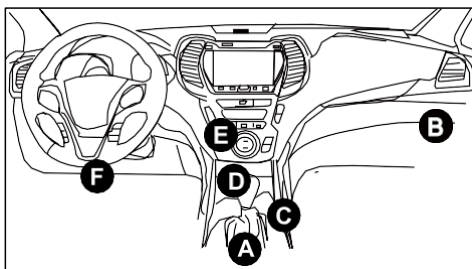
***Notes:**

- Turn off the ignition switch while plugging or unplugging the dongle.
- Always remove the dongle once testing and/or diagnosis is complete. Failure to do so may result in a drained or weakened battery.

Connect the LAUNCH AIOBD dongle to the DLC of the vehicle before diagnostics.

- 1). Make sure the vehicle battery voltage range is 9V to 18V and the vehicle ignition key is turned off.
- 2). Locate the 16-pin DLC of the vehicle.

The DLC is usually located 12 inches from the center of the instrument panel, under or around the driver's side for most vehicles. The capital letters in the figure below indicate the possible locations of the vehicle's DLC. If the DLC cannot be found, refer to the vehicle's service manual.



- 3). Connect the dongle to the vehicle's DLC directly. The LED of the device illuminates solid green, and you will hear audible beep sounds.

3.3 Bluetooth Communication

The LAUNCH AIOBD dongle communicates with your mobile device via Bluetooth. After the dongle is registered and activated successfully, when you enable the Bluetooth and start diagnostics, the Bluetooth communication between the dongle and your mobile device will be automatically established.

The working range for Bluetooth communication between the LAUNCH AIOBD dongle and your mobile device is about 10m. Ensure that the two devices are within the working range during diagnostic process.

4 System Diagnostics

The **Fault Detection** module on the Home screen allows you to access the electronic control systems of the identified vehicle via decoding the Vehicle Identification Number (VIN).

After vehicle connection, enable the Bluetooth, and turn the ignition key on. Tap **Fault Detection**, and the system starts reading the VIN automatically. During communication, the LED indicator of the dongle illuminates blue and flashes.

*Notes:

- A highly stable and solid network connection is recommended for successful VIN access.
- Ensure that LAUNCH AIOBD dongle and your mobile device are within the working range during diagnostic process.

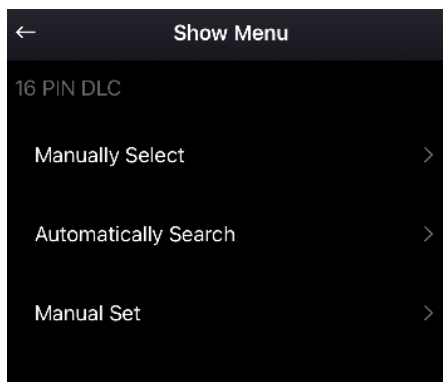
The following diagnostic process is an example to demonstrate how to diagnose a vehicle (**Vehicle brand: Kia Rio**). Since the App is continuously developing, the screens and menus may vary accordingly. All the screens in this section are for reference only.

Perform the following steps:

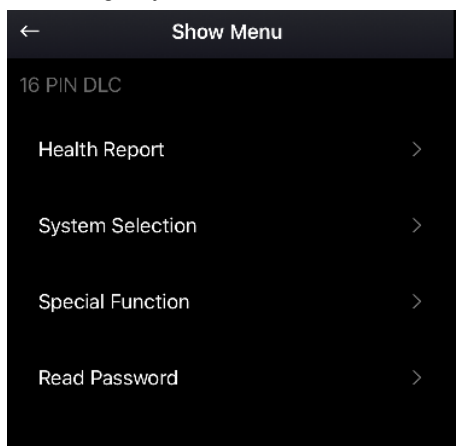
- 1). Tap **Fault Detection** on the Home screen. The system reads the VIN information of the currently identified vehicle automatically, and then enters the show menu screen.

If you have not purchased the diagnostic software prior to diagnosis, after the VIN is successfully retrieved, a popup screen will appear to prompt you to purchase the software. Tap **Buy Now** and follow the on-screen instructions to finish the payment.

- 2). Select **16 PIN DLC**, and the following test items are displayed.



- Tap **Manually Select** to select the desired system to proceed manually.
 - Tap **Automatically Search** to scan the systems equipped on the test vehicle automatically.
 - Tap **Manual Set** to perform the oil reset operation manually.
- 3). Tap **Manually Select**. Confirm the vehicle information on the popup screen, and it will navigate you to the test item selection screen.



Select the desired test item and perform corresponding diagnostics.

*Note: Different vehicle models may have different diagnostic screens and items. The following sections mainly describe the common diagnostic functions according to Kia Rio's diagnostic procedures.

4.1 Health Report

This function enables you to quickly access all the electronic control units of the vehicle and generate a detailed report about the vehicle condition.

Tap **Health Report** on the test item selection screen. The system starts to scan all the ECUs of the vehicle until a health report is generated. In the health report, the systems with fault codes are displayed in red.

Health Report	
System Name	State
ECM (Engine Control Module)	Find Fault Code 1
ABS (Anti-Lock Brake System)	Find Fault Code 1
MDPS (Motor Driven Power Steering)	No Fault Code
TPMS (Tire Pressure Monitoring System)	Find Fault Code 1
Back Clear DTC Fault Report	

On-screen Buttons:

- **Back:** Tap it to return to the previous screen.
- **Clear DTC:** Tap it to clear the existing diagnostic trouble codes.
- **Fault Report:** Tap it to generate a DTC report of the vehicle.

Tap **Report** at the bottom of the DTC report, you can add the owner's name,

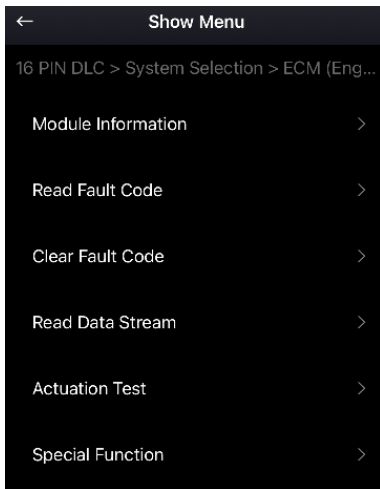
tester, and other remarks on the **Add Information** screen. Then tap **Save** in the upper right corner to save the report.

All the saved diagnostic reports can be accessed by tapping **Report** in the upper right corner of the Home screen.

4.2 System Selection

This function allows you to manually select the test system and perform the related diagnostic functions.

Tap **System Selection** on the test item selection screen. Select the desired system (take **ECM** for example) to enter the following screen.



*Note: Different vehicle and system may have different diagnostic menus.

A. Module Information

This function is used to read the vehicle module information.

B. Read Fault Code

This function displays the detailed information of DTC records retrieved from the tested system.

*Note: Retrieving and using DTCs for troubleshooting vehicle operation is only one part of an overall diagnostic strategy. Never replace a part based only on the DTC definition. Each DTC has a set of testing procedures, instructions and flow charts

that must be followed to confirm the location of the problem. This information can be found in the vehicle's service manual.

C. Clear Fault Code

After reading the retrieved codes from the vehicle and certain repairs have been carried out, you can use this function to erase the codes from the vehicle. Before performing this function, make sure the vehicle's ignition key is in the ON position with the engine off.

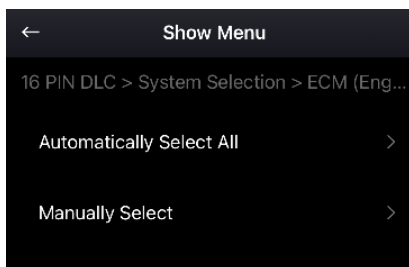
*Notes:

- If you plan to take the vehicle to a Service Center for repair, DO NOT erase the codes from the vehicle's computer. If data is erased, valuable information that might help the technician troubleshoot the problem will also be erased.
- Clearing DTCs does not solve the underlying problems that triggered the codes. If appropriate repairs are not made to fix the problems, the codes will reappear, triggering the check engine light as soon as the problems causing the DTCs manifest themselves.

D. Read Data Stream

This function can retrieve live data and parameters from vehicle's ECU. This data includes sensor data, operation of switches, or other items, which can provide insight on vehicle performance. It can also be used to guide vehicle repair.

Tap **Read Data Stream**; you can select either of the two ways to display the data stream.



- **Automatically Select All:** Tap it to display the live data of all data stream items.
- **Manually Select:** Tap it to enter the data stream item selection screen, and you can select certain items to view the values.

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Data Stream		
Data stream name	Value	Unit
Accelerator Pedal Position Sensor	N/A	%
Fuel Pressure Measured	N/A	hPa
Rail Pressure Regulator	N/A	%
Air Mass Meter	N/A	g/s

Record

Report

- **Report:** Tap it to save the current data stream as a report.
- **Record:** Tap it to start recording diagnostic data. Recorded live data can serve as valuable information to help troubleshooting and diagnostics.

E. Actuation Test

During the actuation test, the device outputs commands to the ECU in order to drive the actuators, and then determines the integrity of the system or parts by reading the ECU data, or by monitoring the operation of the actuators, such as switching the injector between two operating states.

Simply follow the on-screen instructions and make appropriate selections to complete the test.

F. Special Function

This option offers coding, reset, relearn and more service functions, to help vehicles get back to functional status after repair or replacement. Available tests vary by vehicle manufacturer, model, and year.

Some special functions can also be accessed from the **Special Function** on previous show menu screen.

.

5 OBDII Diagnostics

The **OBDII** function presents a quick way to check for DTCs, isolate the cause of the illuminated Malfunction Indicator Lamp (MIL), check monitor status prior to emissions certification testing, verify repairs, and perform a number of other services that are emission-related.

Tap **AutoOBD** on the **OBDII** screen. The system will automatically download the OBDII software and initiate a scan of the vehicle's computer to identify its communication protocol type. Once the protocol is detected, the device establishes communication and proceeds with the diagnostic process automatically until a diagnostic report is generated.

←
Vehicle Fault Diagnostic Report
Save

Vehicle Information

Year:
Make: EOBD/OBDII
Model:
VIN Code: xxxxxxxxxxxxxxxxxxxx

Diagnostic Information

S/N: 979440000501
Diagnostic Time: 2025-04-14 11:45:03
Vehicle Software Version: V23.10
App Version: iOS 1.0.0
Diagnostic Path:

Faults (2) Abnormal

Confirmed Codes (18)

- 1.P331d ID:0X0000331D not defined!
- 2.P0756 Shift Solenoid B Performance/Stuck Off
- 3.B0A9A ISO/SAE Reserved
- 4.P335f ID:0X0000335F not defined!
- 5.C1e10 ID:0X00005E10 not defined!
- 6.P2064 Reductant Supply Control Circuit High
- 7.C28b5 ID:0X000068B5 not defined!
- 8.P03C2 Cylinder 5 Pressure Too Low
- 9.P2B5F Engine Coolant Flow Control Valve Position Sensor Circuit High
- 10.U1429 ID:0X0000D429 not defined!
- 11.P10c2 ID:0X000010C2 not defined!
- 12.B2f5b ID:0X0000AF5B not defined!
- 13.U1b24 ID:0X0000DB24 not defined!
- 14.U2c07 ID:0X0000EC07 not defined!
- 15.C0237 ISO/SAE Reserved
- 16.U1e0b ID:0X0000DE0B not defined!
- 17.U01AC Lost Communication With Hybrid/EV Battery Interface Control Module M

Tap **Save** in the upper right corner to save the report.

When you exit, a popup screen will appear to confirm whether to perform a full vehicle system trouble code scan.

Tap **Yes** to start a full system trouble code scan, follow the on-screen instructions to confirm the vehicle information until a health report is generated. In this case, the device allows to perform trouble code scan on your vehicle systems and generate health report without software subscription, but details of the report can be unlocked only if the software is purchased.

The **OBDII** module can also allow you to perform smog check, read live data, view freeze frame, check MIL status, etc. Select the test item, and follow the on-screen instructions to proceed.

6 LAUNCH AI

As the newly integrated AI-powered module, LAUNCH AI deeply integrates artificial intelligence with automotive diagnostic functions, delivering a one-stop intelligent maintenance solution.

This module supports online access to massive repair cases, real-time maintenance guidance, vehicle coverage retrieval, and other technical support services, helping technicians achieve precise repair information and full-process diagnostic guidance, which significantly improves repair efficiency and diagnostic accuracy.

7 Software Update

The **Update** function allows you to update the purchased vehicle diagnostic software periodically. It is recommended to update and install the latest software version for the best service, functions and experience.

Tap **Update** on the Home screen to enter the update center.

*Note: Software update requires a stable network connection.

Select the target software, and tap **Update** to start downloading. It may take several minutes to finish it.

Once downloading is finished, the software packages will be installed automatically.

8 Mall

This function allows you to subscribe to the vehicle diagnostic software for your specific test vehicle.

All diagnostic software in the mall covers full systems and full functions. The prices of the software are shown in the Mall.

Tap **Mall** to enter the online software mall. Select the target software and follow the on-screen instructions to finish the transaction.

*Note: The software activates immediately upon purchase, so it is generally non-refundable. Always double check your order details before payment.

When the purchased software expires, you need to go to Mall to subscribe to the target software again.

Warranty

THIS WARRANTY IS EXPRESSLY LIMITED TO PERSONS WHO PURCHASE LAUNCH PRODUCTS FOR PURPOSES OF RESALE OR USE IN THE ORDINARY COURSE OF THE BUYER'S BUSINESS.

LAUNCH electronic product is warranted against defects in materials and workmanship for one year (12 months) from date of delivery to the user.

This warranty does not cover any part that has been abused, altered, used for a purpose other than for which it was intended, or used in a manner inconsistent with instructions regarding use. The exclusive remedy for any automotive meter found to be defective is repair or replacement, and LAUNCH shall not be liable for any consequential or incidental damages.

Final determination of defects shall be made by LAUNCH in accordance with procedures established by LAUNCH. No agent, employee, or representative of LAUNCH has any authority to bind LAUNCH to any affirmation, representation, or warranty concerning LAUNCH automotive meters, except as stated herein.

Customer Service

If you have any questions on the operation of the unit, contact the seller, or contact LAUNCH TECH Service Center:

Website: <https://en.cnlaunch.com>

Phone: +86 755 8455 7891

Email: overseas.service@cnlaunch.com

To resolve your problems quickly and efficiently, clearly indicate the **Serial Number** of your product when giving issue feedback.