

LAUNCH 301050822

LAUNCH Millennium Master 2.0 OBD2 Diagnostic Scan Tool User Manual

Model: 301050822

Brand: LAUNCH

1. INTRODUCTION

The LAUNCH Millennium Master 2.0 is an advanced OBD2 diagnostic scan tool designed to assist vehicle owners and technicians in identifying and resolving automotive issues. This device offers comprehensive diagnostics for four main vehicle systems: Engine, Anti-lock Braking System (ABS), Supplemental Restraint System (SRS), and Transmission. It also includes 13 commonly used reset service functions and supports battery health, starting, and charging tests. Featuring a 5-inch touchable HD screen and Auto VIN capabilities, the Millennium Master 2.0 provides clear data display and efficient vehicle information retrieval. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your device.

2. SAFETY INFORMATION

Before operating the LAUNCH Millennium Master 2.0, please read and understand all safety instructions. Failure to do so may result in injury or damage to the device or vehicle. Always perform diagnostic tests in a well-ventilated area. Ensure the vehicle is in Park (P) or Neutral (N) with the parking brake engaged. Do not wear loose clothing or jewelry that could get caught in moving engine parts. Keep the device away from heat, sparks, and open flames. This device is intended for use by qualified individuals or under their supervision. Always refer to your vehicle's service manual for specific procedures and warnings.

3. PRODUCT OVERVIEW

The LAUNCH Millennium Master 2.0 is a versatile diagnostic tool equipped with a 5-inch touchscreen and an intuitive

interface. It is designed to provide accurate and efficient vehicle diagnostics.

3.1 Key Features

- **4-System Diagnostics:** Comprehensive scanning for Engine, ABS, SRS, and Transmission systems.
- **13 Reset Functions:** Includes Oil Reset, ETS Reset, SAS Reset, Brake Reset, Injector Coding, BMS Reset, TPMS Reset, A/F Reset, ABS Bleeding, IMMO Reset, AFS Reset, AdBlue Reset.
- **Full OBD2 Functions:** Read/clear codes, view live data, freeze frame, I/M readiness, On-board monitor test, EVAP test, Auto VIN, and built-in DTC lookup library.
- **Battery Test:** Supports battery health, starting, and charging system tests via Bluetooth with BST360 battery tester.
- **Lifetime Free Updates:** Online software updates via Wi-Fi to ensure compatibility with the latest vehicle models and features.
- **Wide Vehicle Coverage:** Compatible with most 1996 and newer American, European, and Asian vehicles supporting OBD2 Protocol.

3.2 Device Components

SUPPORT 4 SYSTEMS DIAGNOSES

Engine **Transmission** **SRS** **ABS**

Read Fault Codes **Read Data Stream**
Clear Fault Codes **Read ECU information**

Figure 1: 4-System Diagnostics Overview. This image illustrates the device's capability to diagnose four critical vehicle systems: Engine, Transmission, SRS (Supplemental Restraint System), and ABS (Anti-lock Braking System). The screen shows options to Read Fault Codes, Clear Fault Codes, Read Data Stream, and Read ECU Information.

13 HOT SERVICE FUNCTIONS



Oil Reset



SAS Reset



BMS Reset



TPMS Reset



ETS Reset



Brake Reset



DPF Regen



Injector Coding



A/F Reset



ABS Bleeding



IMMO Reset



AFS Reset



AdBlue Reset



Figure 2: 13 Hot Service Functions. This image highlights the 13 most frequently used special reset functions available on the device, such as Oil Reset, SAS Reset, BMS Reset, and TPMS Reset, designed to maintain various vehicle systems.

FULL OBDII DIAGNOSES

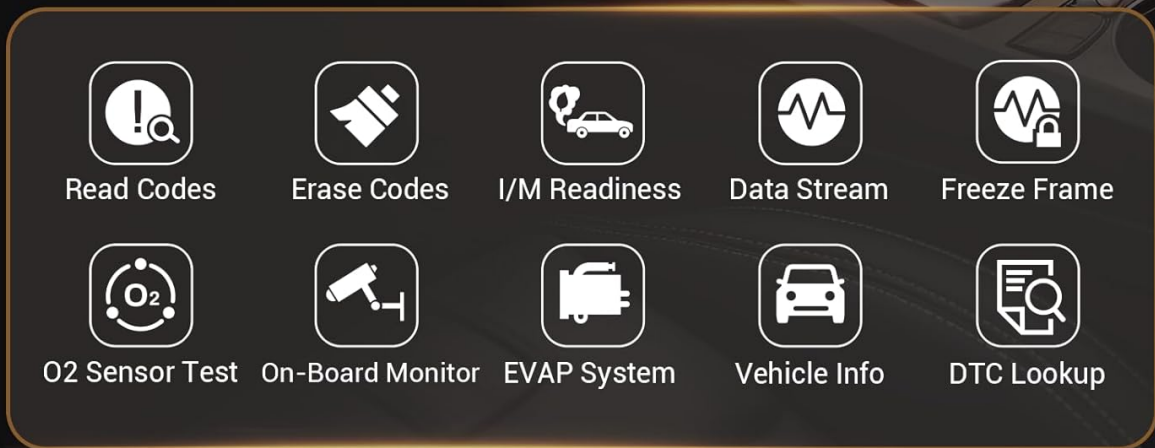


Figure 3: Full OBDII Diagnoses. The device's screen displays a comprehensive set of OBDII diagnostic functions, including reading and erasing fault codes, checking I/M readiness, and accessing live data streams.

SUPPORT BATTERY TEST



- Battery Health Test
- Start System Test
- Charging Health Test
- Test Report



Detection Results	
Test Time: 2024-01-30 10:59	
Battery Health Test :	Good battery
1. Battery Power Status of charge :	100%
2. Battery Voltage :	12.65V
3. Battery Life Status of health :	100%
4. Measured Starting Current :	800.00CCA
5. Input Standard :	Battery Council International
6. Input Rating :	750CCA
7. Internal Resistance :	3.74mΩ
Start System Test:	
1. Start Duration :	Not tested
2. Start Voltage :	Not tested
Charging Health Test:	
1. On load voltage :	Not tested
2. No load voltage :	Not tested
3. Diode ripple value :	Not tested

Figure 4: Battery Test Functionality. This image shows the device's interface for performing battery health tests, including start system and charging health tests, with a detailed detection results report.

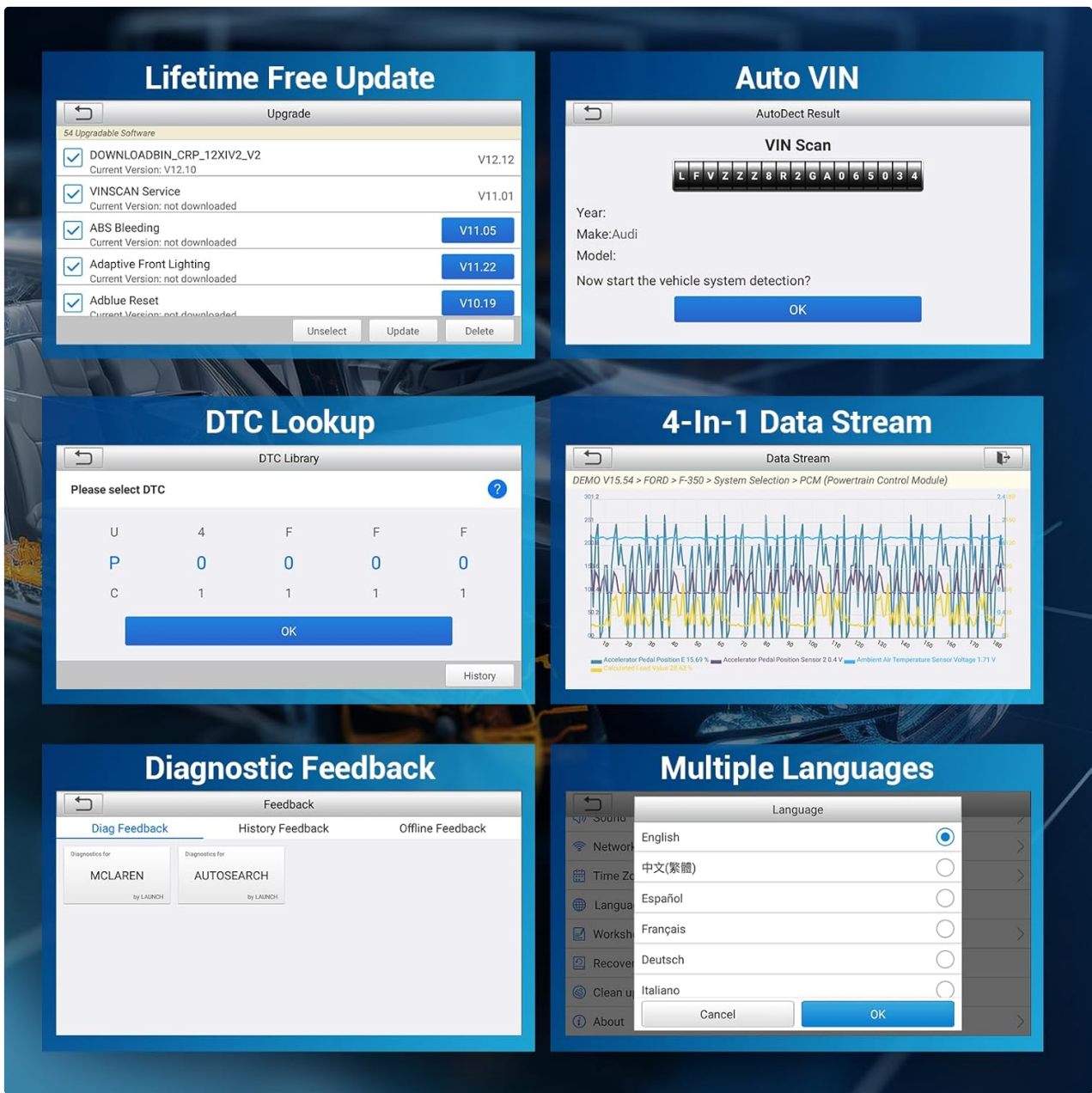


Figure 5: Advanced Features Overview. This composite image demonstrates several advanced features: lifetime free updates, automatic VIN scanning, DTC lookup, 4-in-1 live data stream display, diagnostic feedback, and multiple language support.

WIDE VEHICLE COVERAGE

Work on most vehicles after 1996

US Ford, Dodge, Buick, Cadillac, Chevrolet, Chrysler, GMC,

EU Volvo, VW, BMW, Abarth, Alfa Romeo, Aston Martin, Porsche, Mercedes Benz, Land Rover, Bentley, Bugatti, Citroen, Dacia, Ferrari, Fiat, Jaguar, Lancia, Mini, Peugeot, Opel, Renault, Saab, Seat, Skoda, Smart, Sprinter, Vauxhall,

Asia Acura, Daewoo, Daihatsu, Honda, Hyundai, KIA, Lexus, Mazda, Mitsubishi, Subaru, Suzuki, Toyota,

MULTIPLE LANGUAGES



Figure 6: Vehicle Coverage and Language Support. This image highlights the extensive vehicle coverage for American, European, and Asian brands, along with the device's support for multiple languages, indicated by various national flags.

3.3 Unboxing and Components

Video 1: What's in the box of LAUNCH CRP919E LITE? This video provides an unboxing experience, showcasing the contents of the product package, including the diagnostic tool, main cable, power adapters, and user manual. While the video title refers to a different model, the unboxing process and included accessories are generally representative of LAUNCH diagnostic tools.

4. SETUP

4.1 Initial Device Setup

1. **Power On:** Press and hold the power button to turn on the device.
2. **Language Selection:** Follow the on-screen prompts to select your preferred language (e.g., English).
3. **Time Zone Setting:** Select your local time zone.

4. **Network Connection:** Connect the device to a Wi-Fi network to enable software updates and online features. Enter the Wi-Fi password when prompted.
5. **User Agreement:** Review and agree to the user agreement, privacy policy, and service agreement.
6. **Workshop Information:** Optionally enter your workshop details.

4.2 Connecting to Vehicle

1. Locate the vehicle's OBD2 port, typically found under the dashboard on the driver's side.
2. Connect the diagnostic cable to the device and then to the vehicle's OBD2 port.
3. Turn the vehicle's ignition to the 'ON' position (engine off).

4.3 Registration and Updates

To ensure your device has the latest software and vehicle coverage, it is crucial to register and perform updates. The Millennium Master 2.0 offers lifetime free updates.

Video 2: LAUNCH CRP123X V2.0 How to Register & Upgrade. This video demonstrates the step-by-step process of registering your LAUNCH diagnostic tool and performing software updates via Wi-Fi. This ensures your device has the latest features and vehicle compatibility.

5. OPERATING INSTRUCTIONS

5.1 Performing Diagnostics

1. **Auto VIN Scan:** From the main menu, select 'Diagnose' and then 'AutoDetect' to automatically identify the vehicle's VIN and retrieve basic information.
2. **System Scan:** After Auto VIN, proceed with a full system scan to check for fault codes across Engine, ABS, SRS, and Transmission.
3. **Read/Clear Fault Codes:** Once the scan is complete, the device will display any detected Diagnostic Trouble Codes (DTCs). Select 'Read Fault Code' to view details and 'Clear Fault Code' to erase them after repairs.
4. **Live Data Stream:** Select 'Data Stream' to view real-time data parameters from various sensors in text or graph format. This helps in monitoring vehicle performance and identifying intermittent issues.

Video 3: Launch CRP129X Diagnostic Video. This video demonstrates the diagnostic capabilities of a LAUNCH CRP series tool, including VIN scanning, system scanning, and reading fault codes. The process shown is similar to the Millennium Master 2.0's diagnostic workflow.

Video 4: What does the AD500 do? Actual operation. This video illustrates the practical application of a diagnostic tool, showing how to perform a VIN scan, conduct a system scan, and interpret fault codes and live data streams. Although for a different model, the operational steps are comparable to the Millennium Master 2.0.

5.2 Reset Functions

The Millennium Master 2.0 supports 13 common reset functions. To access these, navigate to the 'Reset' menu from the home screen and select the desired function. Follow the on-screen instructions to complete the reset procedure.

5.3 Battery Test

To perform a battery test, ensure the device is connected to the vehicle and a compatible BST360 battery tester (sold separately) is connected via Bluetooth. Select 'Battery Voltage' from the home screen and follow the prompts to conduct battery health, starting, and charging system tests.

6. MAINTENANCE

6.1 Software Updates

The device offers lifetime free software updates. Connect the device to a stable Wi-Fi network. From the home screen, select 'Upgrade' to check for and download available updates. Regular updates ensure optimal performance and compatibility with new vehicle models.

6.2 Cleaning and Storage

Clean the device with a soft, damp cloth. Do not use abrasive cleaners or solvents. Store the device in a cool, dry place away from direct sunlight and extreme temperatures. Disconnect all cables when not in use.

7. TROUBLESHOOTING

If you encounter issues with your LAUNCH Millennium Master 2.0, refer to the following common troubleshooting steps:

- **Device Not Powering On:** Ensure the device is properly connected to the vehicle's OBD2 port or a power source. Check the power button.
- **Communication Error:** Verify that the diagnostic cable is securely connected to both the device and the vehicle. Ensure the vehicle's ignition is in the 'ON' position. Try restarting the device and the vehicle.
- **Software Glitches:** Perform a software update to resolve potential bugs. If issues persist, consider a firmware fix.

Video 5: Firmware Fix. This video demonstrates how to perform a firmware fix on a LAUNCH diagnostic tool. If you experience technical problems such as device prompt code errors or incorrect VIN recognition, a firmware update can often resolve these issues.

8. SPECIFICATIONS

- **Model Number:** 301050822
- **Screen Size:** 5 Inches
- **Operating System:** Android 8.1
- **Power Source:** Battery Powered
- **Manufacturer:** LAUNCH
- **Parcel Dimensions:** 25.4 x 20.32 x 7.62 cm; 997.9 g

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your product or visit the official LAUNCH website. Online feedback options are available through the device's interface to submit diagnostic reports or seek assistance from LAUNCH technicians.

