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› XTOOL IP919 Diagnostic Scan Tool User Manual

XTOOL IP919

XTOOL IP919 Diagnostic Scan Tool User Manual

Model: IP919

1. INTRODUCTION

The XTOOL IP919 is a professional-grade OBD2 diagnostic scan tool designed for automotive mechanics, repair shops, and advanced DIY users. It offers comprehensive vehicle diagnostics, including bidirectional control, all-system scanning, 51+ service functions, ECU coding, and PMI functions. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your IP919 device.

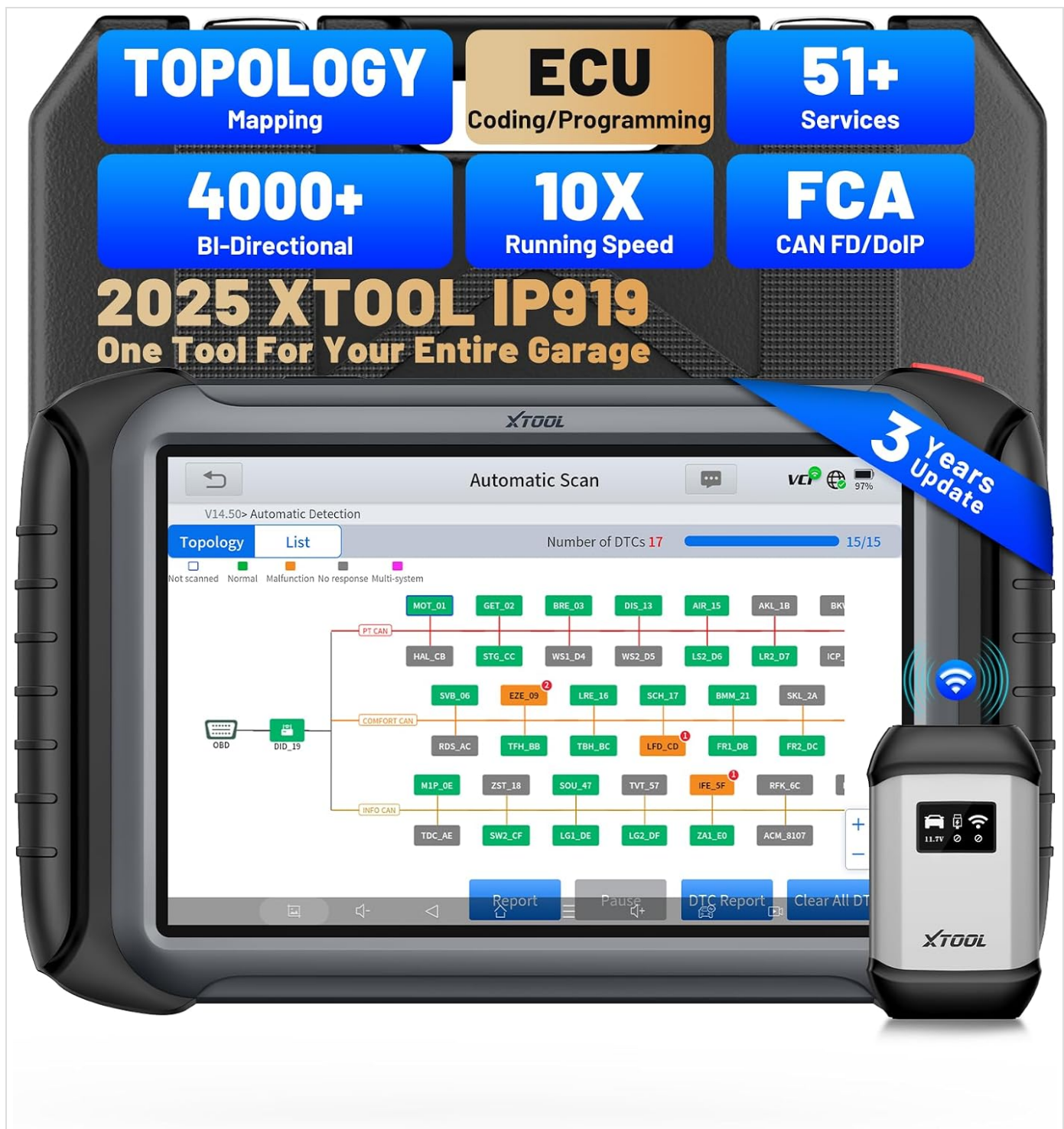


Image 1.1: The XTOOL IP919 Diagnostic Scan Tool and its wireless VCI module.

2. SETUP AND INITIAL USE

2.1 Unpacking and Device Overview

Carefully unpack all components. Ensure the main tablet unit, VCI (Vehicle Communication Interface) module, and any included adapter cables are present. The IP919 features a 10.1-inch sunlight-readable display for clear visibility in various lighting conditions.

2.2 Connecting to the Vehicle

1. Locate the vehicle's OBD2 port, typically under the dashboard on the driver's side.
2. Connect the VCI module to the vehicle's OBD2 port. For Chrysler, Dodge, and Jeep vehicles (2018 and newer), use the

provided 12+8 adapter cable if required.

3. Power on the XTOOL IP919 tablet. The VCI module will establish a wireless connection with the tablet.



Image 2.1: The 12+8 adapter cable for connecting to specific Chrysler, Dodge, and Jeep vehicles.

2.3 Initial Software Configuration

Upon first use, the device may guide you through initial setup steps, including language selection and Wi-Fi connection. Ensure a stable internet connection for software updates.

2.4 FCA AutoAuth Access

The IP919 supports FCA AutoAuth for diagnostic access to 2018 and newer Chrysler, Dodge, and Jeep vehicles. Follow the on-screen instructions to register and gain access. Note that an FCA account registration is required and is not included with the device.

3. OPERATING INSTRUCTIONS

3.1 System Diagnostics

The IP919 performs OE-level full system diagnosis. Use the 'Auto Scan' function (FastScan 2.0) to automatically detect and scan major modules such as ECM, TCM, ABS, SRS, and BCM. This generates detailed pre/post-scan reports, providing a comprehensive overview of vehicle health.



Image 3.1: The IP919 displaying an OE-Level Full System Diagnosis report.

3.2 Topology Mapping

The color-coded topology map provides a visual representation of the vehicle's system layout. This feature simplifies complex system relationships, helping to quickly identify and pinpoint issues within different modules (e.g., ECM, TCM, ABS, SRS, BCM).

ADVANCED TOPOLOGY MAPPING

Simplifies troubleshooting by providing a clear visualisation of your vehicle's complete system status



Image 3.2: The advanced topology mapping interface, showing system status.

3.3 Bidirectional Control (Active Tests)

The bidirectional control function allows the tool to send commands to vehicle systems and components to test their operational status. This helps in narrowing down diagnostic scope and quickly identifying problems. Examples include:

- Fan operation tests
- Throttle modulation tests
- Window and mirror operation tests
- Injector buzz tests
- Interior/exterior light activation
- Horn sound tests



Image 3.3: The IP919 performing bidirectional control tests on various vehicle components.

3.4 Special Functions (51+ Services)

The IP919 offers over 51 special service functions for various vehicle maintenance and repair tasks. Key functions include:

- ABS Bleeding
- Electronic Parking Brake (EPB) Reset
- Oil Light Reset
- Steering Angle Sensor (SAS) Calibration
- Throttle Relearn
- Battery Management System (BMS) Reset
- Injector Coding
- Gearbox Match
- Headlight Adjustment
- Airbag Repair

- Tire Upgrade
- Transport Mode Activation/Deactivation
- Suspension Calibration
- TPMS Reset
- Window Initialization



Image 3.4: A selection of the 51+ special functions available on the IP919.

3.5 ECU Programming/Coding and PMI Function

The device supports ECU coding for specific vehicle brands (e.g., VW, Audi, Mitsubishi, Skoda, Benz, Ford, Lincoln, Mazda). This allows for activating hidden features, deactivating unwanted functions, and performing module replacement. The PMI (Programmable Module Installation) function assists in replacing modules by transferring data from the old module to the new one.



Image 3.5: The IP919 interface for ECU coding and PMI functions.

3.6 Live Data Graphing

The IP919 can display up to 8 live data streams simultaneously in a graphical format, allowing for detailed analysis of sensor readings and system performance over time.

4. MAINTENANCE

4.1 Software Updates

The device comes with 3 years of free software updates. Regularly check for and install updates to ensure compatibility with the latest vehicle models and access to new features. Connect the device to a stable Wi-Fi network to perform updates.

4.2 Device Care

- Keep the device clean and free from dust and moisture.
- Avoid dropping the device or exposing it to extreme temperatures.
- Use a soft, lint-free cloth to clean the screen.
- Store the device in its protective case when not in use.

5. TROUBLESHOOTING

5.1 Common Issues and Solutions

- **Device not powering on:** Ensure the battery is charged or connect the device to a power source.
- **VCI not connecting:** Check that the VCI module is securely plugged into the vehicle's OBD2 port and that the vehicle's ignition is on. Ensure the VCI module is within range of the tablet.
- **Communication errors:** Verify the vehicle's ignition is on. Check for proper connection of the VCI module and any adapter cables. Ensure the vehicle's battery has sufficient voltage.
- **Software freezing/crashing:** Restart the device. Ensure the software is up to date. If the issue persists, contact technical support.

6. SPECIFICATIONS

Feature	Specification
Model	IP919
Display	10.1-inch, 1920x1200 Resolution, Sunlight Readable
Operating System	Android 10.0
Processor	8-Core
Memory	8GB RAM + 128GB Storage
Battery	6400 mAh
Connectivity	CAN FD, DoIP, Wi-Fi, Wired
Languages	15+ Supported Languages
Updates	3 Years Free Updates
Warranty	2 Years
Special Features	FCA AutoAuth Access, Topology Mapping, Bidirectional Control, ECU Coding/PMI



Image 6.1: Overview of the IP919's high-end hardware and key features.

7. WARRANTY AND SUPPORT

7.1 Warranty Information

The XTOOL IP919 Diagnostic Scan Tool is covered by a 2-year warranty from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. Please retain your proof of purchase for warranty claims.

7.2 Technical Support

For technical assistance, compatibility inquiries, or troubleshooting beyond this manual, please contact XTOOL customer support. You can reach them via email at xtoolinplusus@outlook.com. When contacting support, please provide your device model, serial number, and a detailed description of the issue.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question