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> YNF OBD2 Scanner Reader (Model YNF-V01H4) User Manual

## YNF YNF-V01H4

# YNF OBD2 Scanner Reader (Model YNF-V01H4) User Manual

Bluetooth Wireless Auto Diagnostic Scan Tool for iOS & Android

## 1. PRODUCT OVERVIEW

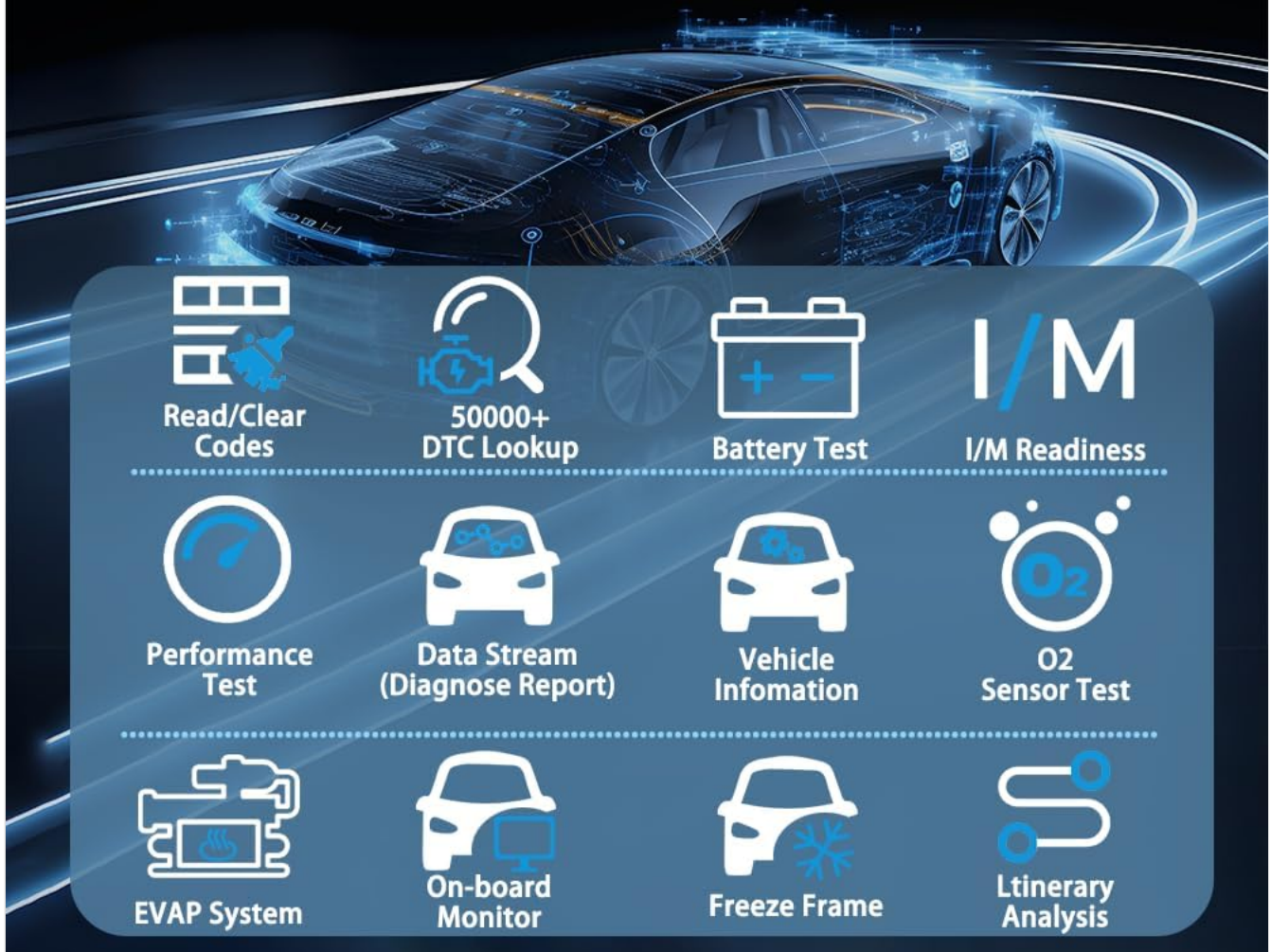
The YNF OBD2 Scanner Reader is a Bluetooth wireless auto diagnostic scan tool designed for use with iOS and Android devices. It provides comprehensive vehicle diagnostic capabilities, allowing users to monitor vehicle performance, read and clear error codes, and access live data.

Key features include:

- **Comprehensive Performance Testing:** Supports fast reading of Diagnostic Trouble Codes (DTCs), electronic emission readiness, turning off Check Engine Light (CEL) or Malfunction Indicator Lamp (MIL), resetting monitors, reading live data, retrieving Vehicle Identification Number (VIN), battery health checks, freeze frame data, sensor data, data streaming, diagnostic reports, and onboard monitoring.
- **Intuitive Data Visualization:** Displays detected data in clear, easy-to-read charts for engine coolant temperature, engine speed, vehicle speed, and control module voltage.
- **Broad Compatibility:** Supports over 96% of car makes and models from 1996 to the present, including Toyota, Honda, Chevrolet, Ford, Mercedes-Benz, Jeep, BMW, Porsche, Subaru, Nissan, Cadillac, Volkswagen, and Lexus. Supports multiple languages.
- **Advanced Bluetooth Connectivity:** Features an upgraded Bluetooth system for faster and more reliable connections.
- **Exclusive Free App:** Dedicated app for Android and Apple systems, downloadable via QR code, designed for smooth user experience and compatibility.

# Comprehensive OBDII Scanner

Allows You To Easily Diagnose Engine Problems And Turn Off The Warning Light



**Figure 1:** Overview of the YNF OBD2 Scanner Reader's comprehensive diagnostic functions, including reading/clearing codes, DTC lookup, battery test, I/M readiness, performance test, data stream, vehicle information, O2 sensor test, EVAP system, on-board monitor, freeze frame, and itinerary analysis.

## 2. WHAT'S INCLUDED

The product package for the YNF OBD2 Scanner Reader includes:

- YNF OBD2 Scanner Reader device (Model YNF-V01H4)
- Detailed User Manual (this document)
- Access to 24-hour troubleshooting email support

## 3. SETUP INSTRUCTIONS

Follow these steps to set up your YNF OBD2 Scanner Reader:

1. **Step 1: Download the "MINI OBDII" App.** Scan the QR code located on the back of your YNF OBD2 Scanner

device or search for "MINI OBDII" in the Apple App Store (for iOS) or Google Play Store (for Android). Ensure you download the official app.

2. **Step 2: Plug in the Scanner and Start the Vehicle.** Locate your vehicle's OBD-II port, typically found under the dashboard on the driver's side. Firmly plug the YNF OBD2 Scanner into the port. Once connected, start your vehicle's engine.
3. **Step 3: Enable Bluetooth on Your Smartphone.** Go to your smartphone's settings and ensure Bluetooth is turned on.
4. **Step 4: Run the App and Connect.** Open the "MINI OBDII" app on your smartphone. The app is designed to automatically connect to the YNF OBD2 Scanner via Bluetooth. Wait for the connection to establish.



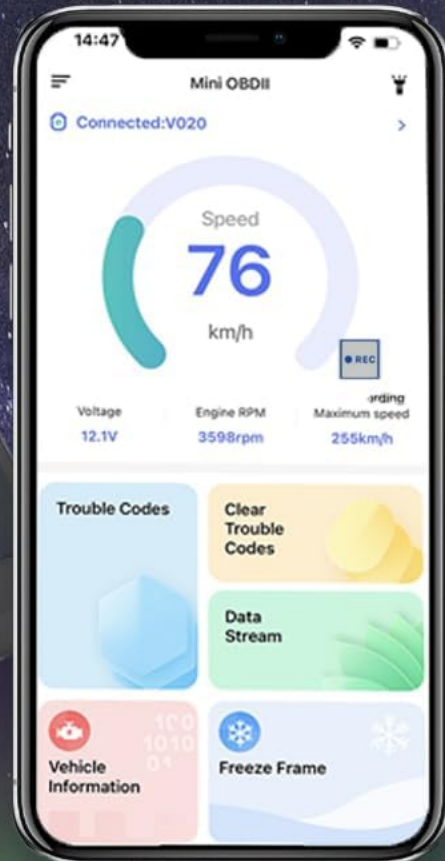
**Figure 2:** Visual guide for the four-step setup process: downloading the app, plugging the device into the OBD-II port, enabling Bluetooth on your phone, and running the app to connect.

# Bluetooth Automatic connection **Free** Exclusive APP

No need for tedious operations, open the app  
to automatically connect



**Note: The phone needs to have Bluetooth enabled**



**Figure 3:** The YNF OBD2 Scanner device and its accompanying app interface, highlighting the automatic Bluetooth connection feature. The app displays real-time data such as speed, voltage, engine RPM, and maximum speed, along with options for trouble codes, clearing codes, and data stream.

## 4. OPERATING INSTRUCTIONS

Once the YNF OBD2 Scanner is connected to your vehicle and the app is running, you can begin diagnosing your vehicle. The app provides various functions to monitor and analyze your car's performance.

### 4.1. Reading and Clearing Error Codes

- Navigate to the "Trouble Codes" section within the app.
- The app will display any detected Diagnostic Trouble Codes (DTCs) along with their descriptions.
- To clear codes and turn off the Check Engine Light (CEL), select the "Clear Trouble Codes" option. Ensure you understand the cause of the code before clearing it, as clearing codes without addressing the underlying issue may lead to recurring problems.

### 4.2. Viewing Live Data

- Access the "Data Stream" or "Live Data" section in the app.
- This feature allows you to view real-time sensor data from your vehicle, such as engine RPM, vehicle speed, coolant temperature, fuel system status, and more.
- The data is often presented in graphical format for easier interpretation. Compare these readings against normal operating values to identify potential anomalies.

### 4.3. Performance Tests and Other Functions

The app offers additional diagnostic functions:

- **I/M Readiness:** Checks if the various emissions-related systems are operating correctly and are ready for an inspection.
- **Battery Test:** Provides information on your vehicle's battery health.
- **Freeze Frame Data:** Captures a snapshot of engine conditions at the moment a trouble code was set, aiding in diagnosis.
- **O2 Sensor Test:** Monitors the oxygen sensors to ensure they are functioning within specifications.
- **EVAP System Test:** Checks the Evaporative Emission Control System for leaks.
- **Vehicle Information (VIN):** Retrieves the Vehicle Identification Number and other vehicle details.

## 5. MAINTENANCE

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The YNF OBD2 Scanner Reader is designed for durability and requires minimal maintenance. To ensure its longevity and optimal performance:

- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Avoid using harsh chemicals or abrasive cleaners.
- **Connection Port:** Keep the OBD-II connector free from dust and debris.
- **Software Updates:** Periodically check the "MINI OBDII" app for updates to ensure you have the latest features and compatibility improvements.

## 6. TROUBLESHOOTING

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If you encounter issues with your YNF OBD2 Scanner Reader, refer to the following common troubleshooting steps:

### 6.1. Device Not Connecting to App

- **Check Power:** Ensure the scanner is firmly plugged into the vehicle's OBD-II port and the vehicle's ignition is on (or engine running). The device typically draws power from the vehicle.
- **Bluetooth Enabled:** Verify that Bluetooth is enabled on your smartphone.
- **App Running:** Make sure the "MINI OBDII" app is open and attempting to connect.
- **Restart:** Try restarting both the app and your smartphone's Bluetooth. You may also try unplugging and re-plugging the scanner.
- **App Version:** Ensure you have the latest version of the "MINI OBDII" app installed.

### 6.2. Inaccurate or Frozen Data Display

- **Stable Connection:** Ensure the Bluetooth connection is stable. Interference from other wireless devices can sometimes affect data transmission.

- **Vehicle Compatibility:** While the device has broad compatibility, ensure your specific vehicle model and year are supported. Refer to the compatibility information in Section 1.
- **App Restart:** Close and reopen the app.
- **Device Reset:** Unplug the scanner from the OBD-II port for a few seconds, then plug it back in.

### 6.3. App Compatibility Issues

The "MINI OBDII" app is designed to solve compatibility issues across different systems and models. If you experience persistent compatibility problems, ensure you are using the correct app and that your smartphone's operating system (iOS or Android) meets the minimum requirements (Android 11.0, iOS 10.0 or later).

| Recommended Third-Party OBD Apps                                                                                          |                                                                                                                        |               |                                                                                                                                                             |                                                             |
|---------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| [For generic OBD II functions: check engine light diagnostics, sensorreadings for standard OBD II PIDs; App Not included] |                                                                                                                        |               |                                                                                                                                                             |                                                             |
| APP Name                                                                                                                  | Compatible Platform                                                                                                    |               | Notes                                                                                                                                                       | Price                                                       |
|                                         | Car Scanner ELM OBDII                                                                                                  | iOS & Android | Compatible with a lots of hybrids & EVs and comes with a few extended PIDs for some vehicles. Please check in the App by selecting the car brand.           | Mostly Free                                                 |
|                                        | Torque Lite/Pro (OBD II & Car)                                                                                         | Android Only  | Do NOT mix it with those apps with similar names on App Store which are not supported.                                                                      | Paid                                                        |
|                                        | Infocar - OBD ELM Diagnostic                                                                                           | iOS & Android | A smart vehicle management app that provides vehicle diagnosis and information on driving style.                                                            | Mostly Free with in-app purchase for some premium features  |
|                                        | OBD Fusion                                                                                                             | iOS & Android | Comes with enhanced diagnostics on Ford, Lincoln, Mazda, Toyota, Lexus, Nissan, Infiniti, Dodge, RAM, Chrysler, Jeep, and some FIAT and Alfa Romeo vehicles | Paid; enhanced diagnostics require separate in-app purchase |
| Other free OBDII Apps you can try                                                                                         | FourStroke (iOS)<br>Piston -OBD2 Car Scanner (Android)<br>OBD Auto Doctor scanner (iOS & Android)<br>OBD Mary(Android) |               | Some premium features require a one-time purchase                                                                                                           |                                                             |

**Figure 4:** A table outlining recommended third-party OBD apps, their compatible platforms (iOS & Android), and notes regarding their features and pricing. This can be useful if the primary app encounters issues or for advanced functionalities.

## 7. SPECIFICATIONS

| Feature | Detail |
|---------|--------|
|---------|--------|

| Feature                        | Detail                            |
|--------------------------------|-----------------------------------|
| Brand Name                     | YNF                               |
| Model Number                   | YNF-V01H4                         |
| Part Number                    | YNF-OBD-1                         |
| Power Source                   | Corded Electric (via OBD-II port) |
| Operating System Compatibility | Android 11.0, iOS 10.0 and later  |
| Number of Items                | 1 (Scanner device)                |
| Included Components            | Manual                            |



**Figure 5:** Compatibility chart illustrating the wide coverage of the YNF OBD2 Scanner, supporting over 10,000 models and 90+ brands. It details the minimum model year for OBD-II compliance across different regions (United States, Canada, European Union, Australia, Mexico, Brazil), excluding hybrid plug-in and electric vehicles.

## 8. WARRANTY AND SUPPORT

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YNF is committed to manufacturing products to the highest quality standards. The Bluetooth Code Reader comes with a detailed manual and access to dedicated customer support.

- **Customer Support:** For any issues or inquiries, please contact our customer service team via email. We offer 24-hour troubleshooting email support. Refer to the product packaging or the official YNF website for contact details.
- **Quality Assurance:** We strive to ensure our products provide both functionality and durability.