

## TOPDON RLink J2534-US

# TOPDON RLink J2534 Pass-Thru Programmer User Manual

Model: RLink J2534-US

Brand: TOPDON

## 1. INTRODUCTION

The TOPDON RLink J2534 is an advanced diagnostic and reprogramming tool designed for automotive professionals. It supports all J2534 protocols, including D-PDU, CAN-FD, and DoIP, ensuring broad compatibility with modern vehicles. This device offers comprehensive OEM-level diagnostics and programming capabilities, streamlining complex vehicle issues and providing dealership-level functions at your fingertips.



## 2. WHAT'S INCLUDED

Your TOPDON RLink J2534 package includes the following essential items:

- 1x TOPDON RLink J2534 Device
- 1x Quick User Guide
- 1x OBDII Extension Cable
- 1x USB Type-A to Type-C Cable
- 1x EVA Carrying Case

*Note: For a visual overview of the package contents, please refer to the official unboxing video in the 'Operating the RLink J2534' section.*

## 3. SPECIFICATIONS

Feature	Detail
Brand	TOPDON
Model	RLink J2534-US
Power Source	Corded Electric
Product Dimensions	4.51"L x 2"W x 1.14"H
Operating System	Arm® Cortex-M4 processor core
Item Weight	1.43 pounds
Country of Origin	China

## 4. SETUP GUIDE

Setting up your RLink J2534 is a straightforward process. Follow these steps to get started:

1. **Connect to Vehicle:** Plug the RLink J2534 device into your vehicle's OBD port.
2. **Connect to Computer:** Connect the RLink J2534 to your computer using the provided USB Type-C cable.
3. **Download RLink Platform Software:** Visit TOPDON's official website to download and install the RLink Platform software on your computer. Ensure your computer runs a compatible 64-bit Windows version (7, 8, 10, or later).
4. **Register and Bind Device:** Launch the RLink Platform application, register, and log in to your account. Follow the on-screen prompts to bind your RLink J2534 device.
5. **Download Drivers:** Within the RLink Platform, download the necessary drivers for the specific OEM

diagnostic software you intend to use.

6. **Set to RLink Mode:** Configure the device to RLink mode within the software for optimal performance.
7. **Start Diagnosis:** Once the device is connected, verified, and the ignition is turned to 'ON', open your OEM diagnostic software and begin your diagnosis.



Figure 2: Steps for registering your device and downloading drivers.

Brand	Applications	Standards	OEM Diagnostics	Programming
VW	ODIS	J2534	2004 to current	1996 to current
GM	SPS / TLC / GDS2 Tech2Win	J2534 PDU	1996 to current	1996 to current
Chrysler	Witech2.0	J2534	2006 to current	1996 to current
FORD	FDPS FJDS	J2534 J2534	2018 to current 1996 to 2018	2018 to current 1996 to 2018
Toyota/Lexus/Scion	Techstream / GTS+	J2534	2001 to current	1999 to current
Honda/Acura	i-HDS / HDS	J2534	1996 to current	2001 to current
Subaru	SSM4	J2534	2016 to current	2016 to current
Nissan	C3P R2R	J2534	1999 to current	1999 to current
Land Rover	SDD	J2534	2006 to 2017	2006 to 2017
Volvo	VIDA VIDA	J2534 J2534	2004 to 2014 2014 to current	2004 to 2014 2014 to current
Baojun	VDS	J2534	/	/
Mercedes-Benz	xentry pass-thru/DAS	J2534	2018 to current	2018 to 2022
BMW	ISTA + pass-thruD	J2534	2006 to 2020	2004 to 2020
KIA <sup>new</sup>	KMA	J2534	2018 to current	/
Hyundai <sup>new</sup>	HMA	J2534	2018 to current	/
Mitsubishi <sup>new</sup>	MUT-3_SE	J2534	2004 to current	2004 to current
MAZDA <sup>new</sup>	MDRS	J2534	2018 to current	2018 to current

Figure 3: Connecting the device and initiating diagnosis.

## 5. OPERATING THE RLINK J2534

The TOPDON RLink J2534 is designed for comprehensive OEM diagnostics and reprogramming. Its capabilities include full-system diagnostics, ECU programming and coding, bi-directional control, and various reset services.

### 5.1 Key Features and Functions

- **J2534 Pass-Thru Programmer:** Supports all J2534 protocols, D-PDU, CAN-FD, and DoIP for extensive vehicle coverage.
- **All-in-One OEM Diagnostics:** Provides comprehensive full-system diagnostics, intuitive repair guides, advanced ECU programming and coding, common reset services, and access to repair information.
- **Integrated RLink Platform:** Offers one-click driver installation and management, ensuring seamless integration with OE software and maintaining original performance quality. Lifetime free updates keep your

diagnostics current.

- **Efficiency & Versatility:** Supports three CAN channels simultaneously (CAN FD and CAN-CC included) for fast troubleshooting.

# OEM Reprogramming and Diagnostics

Unlock Advanced Diagnostic Capabilities with the Power of OE Software

All-System Diagnostics   ECU Programming   ECU Coding   Bi-directional Control   Maintenance Services   Read OE Specific Info   Flash Hidden Functions

\*OE Software Requires a Separate Subscription.

Figure 4: Overview of OEM Reprogramming and Diagnostics functions.

# J2534 Pass-Thru Programmer

Support All J2534 Protocols with the Latest CAN-FD and DoIP for Extensive Vehicle Coverage



Figure 5: The RLink J2534 supports various protocols including CAN-FD, D-PDU, and DoIP.

## 5.2 LED Indicators

The device features intuitive LED indicators to provide real-time operational feedback:

- **Green Light:** Flashing during data communication.
- **Red Light:** Steady when powered on.
- **Blue Light:** Solid when properly connected to the computer.

# Exclusive RLink Platform

Seamless Driver Management with One-Click Installation

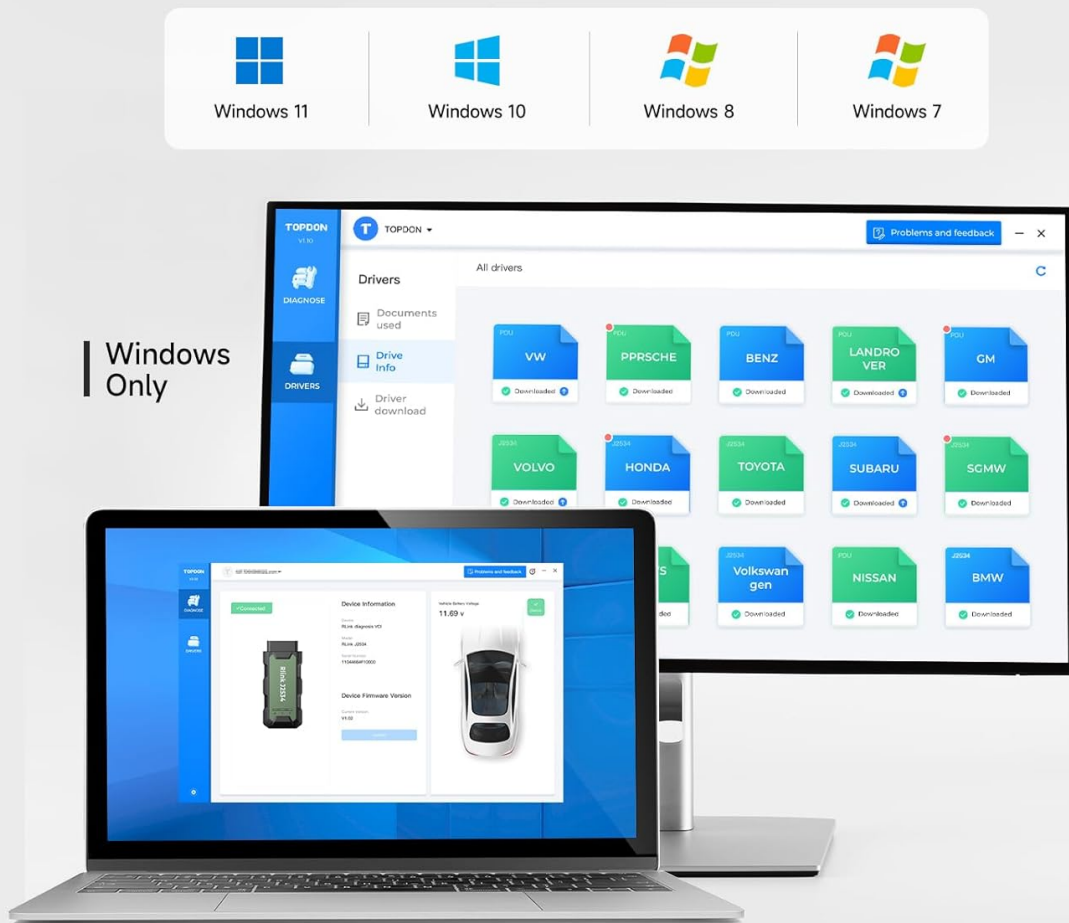


Figure 6: LED indicators provide clear status updates.

## 5.3 Instructional Videos

Watch these official videos for a detailed demonstration of the TOPDON RLink J2534's features and operation:

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*Video 1: TOPDON RLink J2534 All-in-One OEM Diagnostics Tool. This video provides a comprehensive overview of the device's diagnostic capabilities.*

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*Video 2: TOPDON RLink J2534 Pass-Thru Programmer. This video demonstrates the device's pass-through programming functions.*

## 6. MAINTENANCE

To ensure the longevity and optimal performance of your TOPDON RLink J2534, follow these general maintenance guidelines:

- **Cleaning:** Regularly wipe the device with a soft, dry cloth. Avoid using abrasive cleaners or solvents.

- **Storage:** Store the device in its provided EVA carrying case when not in use to protect it from dust, moisture, and physical damage.
- **Temperature:** Avoid exposing the device to extreme temperatures or direct sunlight for prolonged periods.
- **Cable Care:** Inspect cables regularly for any signs of wear or damage. Replace damaged cables immediately to prevent malfunction or safety hazards.

## 7. TROUBLESHOOTING

If you encounter issues with your RLink J2534, consider the following common troubleshooting tips:

- **Connection Issues:** Ensure the device is securely plugged into the vehicle's OBD port and properly connected to your computer via the USB cable. Check the blue LED indicator for a solid light, indicating a proper connection.
- **Software/Driver Problems:** Verify that you have downloaded and installed the latest RLink Platform software and the correct OEM drivers from TOPDON's official website. Ensure the RLink Platform is set to RLink mode.
- **Activation/Internet Requirement:** The device requires an internet connection for initial activation and binding. Ensure you have a stable internet connection during this process.
- **OEM Software Compatibility:** Confirm that your OEM software has an active subscription and is compatible with the RLink J2534. Also, ensure your computer's operating system (64-bit Windows 7, 8, 10, or later) meets the requirements for both the RLink Platform and the OEM software.
- **Device Not Responding:** If the device is unresponsive, try disconnecting it from both the vehicle and the computer, then reconnecting.

For persistent issues, refer to the 'Support' section for further assistance.

## 8. VEHICLE COMPATIBILITY

The TOPDON RLink J2534 offers extensive versatility, supporting over 17 major automotive brands. This broad compatibility allows for dealership-level diagnostics and programming across a wide range of modern vehicles.

Supported brands include, but are not limited to: Chrysler, Ford, GM, Nissan, Toyota, Honda, Subaru, Land Rover/Jaguar, Volvo, Wuling, Volkswagen, Mercedes-Benz, and BMW.

Brand	Applications	Standards	OEM Diagnostics	Programming
Subaru	SSM4	J2534	2016 to current	2016 to current
VW	ODIS	J2534	2004 to current	1996 to current
GM	SPS / TLC / GDS2	J2534	1996 to current	1996 to current
	Tech2Win	PDU		
Chrysler	Witech2.0	J2534	2006 to current	1996 to current
FORD	FDRS	J2534	2018 to current	2018 to current
	FJDS		1996 to 2018	1996 to 2018
Toyota/Lexus/Scion	Techstream / GTS+	J2534	2001 to current	1999 to current
Honda/Acura	i-HDS / HDS	J2534	1996 to current	2001 to current
Nissan	C3P R2R	J2534	1999 to current	1999 to current
Land Rover	SDD	J2534	2006 to 2017	2006 to 2017
Volvo	VIDA (OLD)	J2534	2004 to 2014	2004 to 2014
	VIDA (NEW)		2014 to current	2014 to current
Baojun	VDS	J2534	/	/
Mercedes-Benz	xentry pass-thru/DAS	J2534	2018 to current	2018 to 2022
BMW	ISTA + pass-thruD	J2534	2006 to 2020	2004 to 2020
KIA <sup>new</sup>	KMA	J2534	2018 to current	/
Hyundai <sup>new</sup>	HMA	J2534	2018 to current	/
Mitsubishi <sup>new</sup>	MUT-3_SE	J2534	2004 to current	2004 to current
MAZDA <sup>new</sup>	MDRS	J2534	2018 to current	2018 to current

Figure 7: Detailed table of supported vehicle brands and their applications.

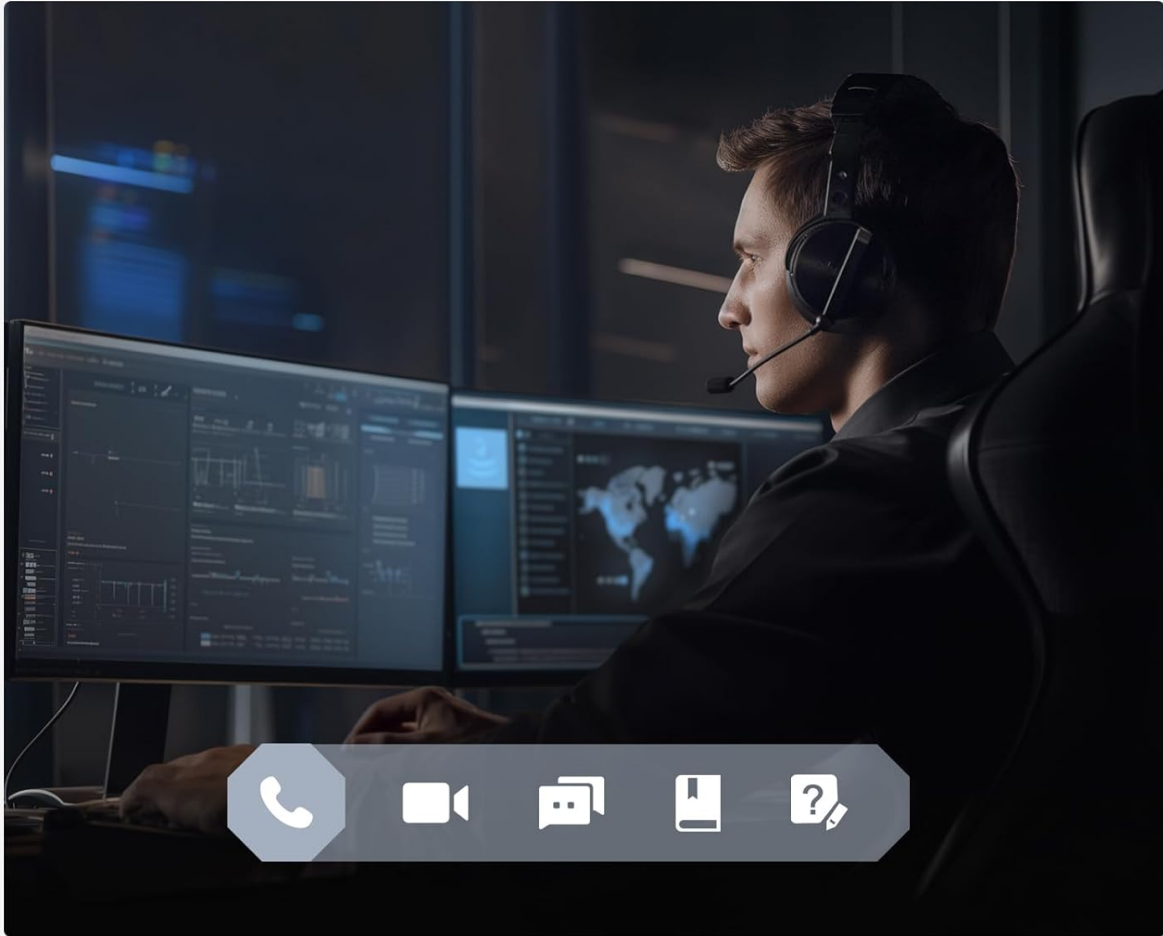
## 9. SUPPORT

TOPDON is committed to providing excellent technical support for your RLink J2534. Our dedicated technical experts possess in-depth knowledge of both auto repair and J2534 Pass-Thru programming, ensuring prompt and professional assistance.

- **Official Website:** For the latest software updates, drivers, and comprehensive support resources, please visit the official TOPDON website.
- **Technical Assistance:** If you require further assistance or encounter issues not covered in this manual, please contact TOPDON's customer support team.

# Instant Technical Assistance

Elevate Your Success with Expert Solutions



*Figure 8: TOPDON offers instant technical assistance.*