

RZ1 Vehicle Gateway and Dash Camera Installation Guide



Step 1: Pre-Install Setup

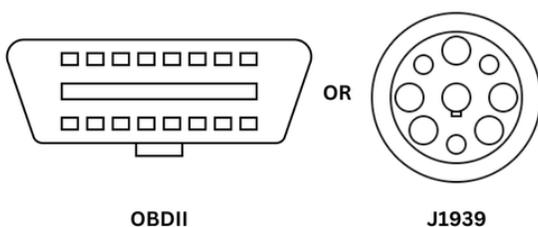
Before beginning your RZ1 installation, make sure your vehicle is compatible and that you have everything you need in hand.

Diagnostic Port Requirements

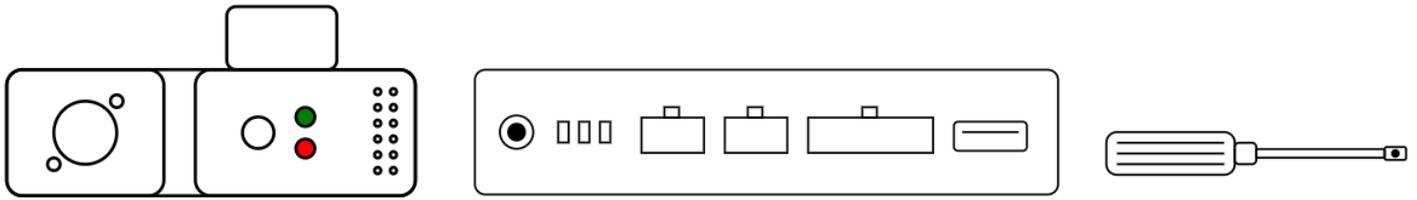
The RoadEazy RZ1 system is designed to work seamlessly with almost any vehicle, as it requires minimal compatibility criteria. The only requirement is that the vehicle has a diagnostic port—

- OBDII port for light-duty vehicles
- J1939 port for medium and heavy-duty vehicles.

These diagnostic ports are standard in most vehicles, ensuring that the RZ1 can be easily installed and operated without the need for additional modifications or special configurations.



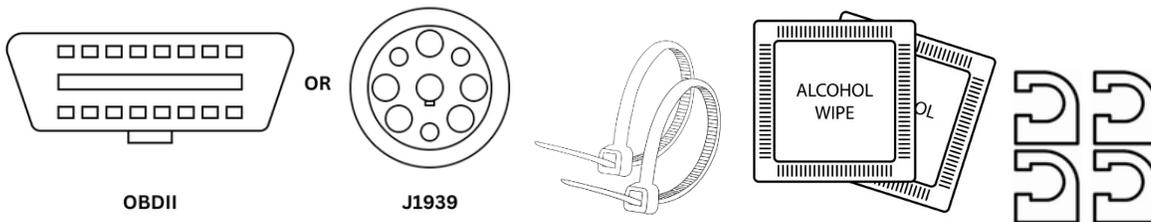
RZ1 Main Package



The primary package includes the core components necessary to get your RZ1 system operational:

1. **RZ1 Vehicle Hub:** The central unit responsible for collecting vehicle telematics data and managing connectivity between the system and the cloud.
2. **RZ1 Camera:** A dual-lens dashcam offering both road-facing and cabin-facing views, ensuring comprehensive video monitoring for fleet management.
3. **Safety Screwdriver:** A specialized tool provided for securing and adjusting the system during installation.

Installation Kit



For a complete and professional installation, the following accessories are available in the optional installation kit:

1. **Power Cable:** Connects the RZ1 Vehicle Hub to the vehicle's diagnostic (OBDII) port, supplying power and enabling telematics data collection.
2. **ZIP Ties:** Helps organize and secure cables, ensuring a neat and safe installation.
3. **Alcohol Wipe:** Cleans the windshield surface to ensure optimal adhesion of the dashcam's 3M mounting pads.
4. **Cable Clips:** Keeps cables firmly in place, preventing interference with the vehicle's operation or driver safety.

Warning

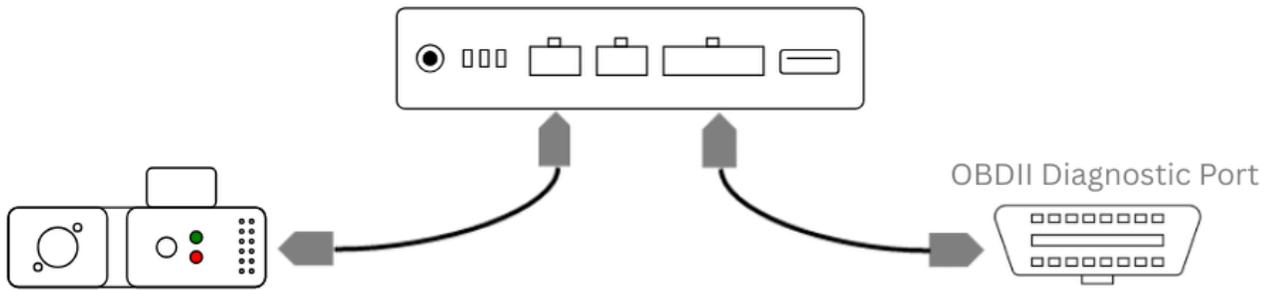


Do not use cables or connectors that were not purchased from RoadEazy. Using unauthorized components may impact device performance. If you need additional or replacement cables, please contact our support team before proceeding.

Step 2: Mount & Wire

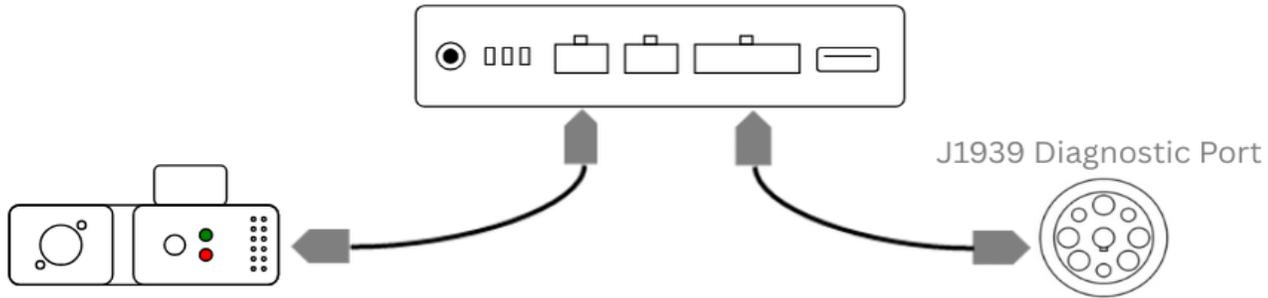
The RoadEasy RZ1 system is designed for a quick and reliable installation process. In this step, you'll mount the RZ1 Vehicle Hub, connect it to the vehicle's diagnostic port, and install the camera.

Install with OBD-II (Light-Duty Vehicles)



1. **Locate the OBD-II Port** - Typically found beneath the dashboard near the driver's side, close to the steering column.
2. **Connect the Hub** - Plug the provided OBD-II power cable into the port, and connect the other end to the PWR/OBD port on the RZ1 Hub.
3. **Secure the Hub** - Place the RZ1 Vehicle Hub underneath the dashboard or behind the diagnostic port, ensuring it is securely mounted and does not obstruct vehicle operations.
4. **Organize Cables** - Route the cables neatly to prevent interference with pedals, vehicle controls, or the driver. Use the included zip ties or cable clips for secure cable organization.
5. **Check Power** - The green power LED on the hub should light up to confirm a successful connection.
6. **Next: Activate the Device** - Once the hub is physically installed and powered, continue to [Step 3: Activate, Verify, Complete](#) to finish the setup process.

Install with J1939 (Medium & Heavy-Duty Vehicles)



1. **Locate the J1939 Port** - Look for a round 9-pin Deutsch connector, usually found beneath the dash or near the driver's seat.
2. **Connect the Hub** - Plug the J1939 cable directly into the diagnostic port. Connect the other end to the **PWR/OBD** port on the RZ1 Vehicle Hub.
3. **Mount the Hub Securely** - Fasten the RZ1 hub in a safe, hidden location under the dash. Avoid areas that may heat up or shift during driving.
4. **Secure the Hub** - Place the RZ1 Vehicle Hub underneath the dashboard or behind the diagnostic port, ensuring it is securely mounted and does not obstruct vehicle operations.
5. **Organize Cables** - Route the cables neatly to prevent interference with pedals, vehicle controls, or the driver. Use the included zip ties or cable clips for secure cable organization.
6. **Check Power** - The green power LED on the hub should light up to confirm a successful connection.
7. **Next: Activate the Device** - Once the hub is physically installed and powered, continue to [Step 3: Activate, Verify, Complete](#) to finish the setup process.

Warning



If at any point after an in-vehicle device is installed a warning lights up on the vehicle dash or the vehicle stalls or has a marked drop in performance, shut off the engine, remove the device, and contact your reseller. Continuing to operate a vehicle with these symptoms can cause loss of vehicle control, and serious injury.

Tip



Ensure that all cables and components are positioned securely and do not obstruct the driver's space or interfere with vehicle operation.

Mount the Camera

1. **Select the Mounting Location** - Position the camera on the windshield below the rearview mirror and above the windshield sweep area. Ensure the camera has a clear view of the road ahead and the vehicle cabin.
2. **Prepare the Surface** - Clean the windshield thoroughly using the provided alcohol wipe to ensure proper adhesion of the 3M mounting pad.
3. **Secure the Camera** - Peel off the protective backing from the 3M mounting pad and press the camera firmly against the windshield. Hold it in place for a few seconds to ensure a strong bond.
4. **Adjust the Camera Angle** - Use the included safety screwdriver to unlock the camera and adjust its road-facing and cabin-facing angles. Tighten the locking screw once the desired positions are set.
5. **Route the Camera Cable** - Run the cable from the camera along the top edge of the windshield. Use the included cable clips or tuck the cable under the glass seal to secure it neatly.
6. **Connect to the RZ1 Vehicle Hub** - Attach the camera cable to the CAM port on the RZ1 Vehicle Hub.
7. **Verify Operation** - Check the status LED on the camera to ensure it is powered on and operational.



Tip

For detailed explanations of the camera's LED indicators, refer to the article [Understanding LED Statuses](#).



Warning

It is crucial to read all instructions and safety information thoroughly before installing or operating this device. Ignoring these guidelines may lead to property damage, personal injury, or non-compliance with local laws. For detailed guidance, refer to the article [Safety, and Maintenance Guidelines](#).

Step 3: Activate, Verify, Complete

Once the RZ1 device is installed and powered on, you'll complete the setup using the Installation Wizard in the RoadEasy Fleet App. This process links the device to a specific vehicle, checks system health, and finalizes camera alignment.

1. Log In to the Installer Portal

1. Open the [RoadEasy Fleet Portal](#).
2. Enter your **Username and Password**, then tap **Log In**.

app.roadeazy.com

RoadEasy
Simplifying Fleets, Navigating Safety

App Portal
Welcome Back

Username

Password

Login

I have read and agree to the [Privacy Policy](#) and [License Agreement](#).

[Forgot Password](#)

2. Select the fleet

After logging in, you'll be directed to a page where you can select your fleet from a list of all fleets associated with your account. You can also click the **Reports** button to view your full installation history.



RoadEazy

Simplifying Fleets, Navigating Safety

Welcome Back, installer one



Zlils Fleet

Start

 Sign out

3. Enter Vehicle Details & Verify Connections

Enter the Vehicle details

- **IMEI** - Pre-filled for existing vehicles (not editable). Required if adding a new vehicle.
- **Name** - Pre-filled for existing vehicles. Required if adding a new vehicle.
- **License Plate** - Optional, editable field for the vehicle's plate number.
- **Tags** - Optional, editable field for vehicle tags.
- **Driver** - Optional, editable field for driver assignment.
- **Notes** - Optional, editable field for additional details.



Note

Ensure required fields (IMEI & Name) are filled before proceeding.

app.roadeazy.com

Add Vehicle Details

IMEI*

Name

License Plate

Tags

Static Driver Assignment

Notes

Verify Connections

Make sure the RZ1 device is fully connected and ready:

- Ensure **all cables** connected to and from the device are **firmly and fully inserted**.
- Confirm the **vehicle is powered on**.
- Initial activation may take up to **5 minutes**. If the device enters sleep mode during this time, **gently move it** to wake it up.
- Wait until **all three green LEDs are solid** before continuing.

Ready for Verification

Your RZ1 Is Ready to Go?

- Ensure all cables connected to and from the RZ1 device are firmly and fully inserted.
- Confirm that the vehicle is powered on.
- Initial activation may take approximately 5 minutes. If the device enters sleep mode during this time, gently move it to wake it up.
- Wait until all three green LEDs are solid before proceeding.

Back

Next

Tip



The RZ1 must be plugged into the vehicle, and the engine must be running. Please wait a few minutes before proceeding to the next step.

4. Run Connectivity Verification Tests

The system will now run **four automated tests** to check the device connection.

1. **Power Connection** – Ensures the device is receiving power.
2. **Mobile Network** – Confirms a stable cellular connection.
3. **GPS Signal** – Checks for proper satellite signal reception.
4. **Cloud Connection** – Ensures communication with Roadeazy cloud.

What to do if a test fails?

If a test fails, refer to the [Installation Troubleshooting](#) to diagnose and resolve the issue. Once the necessary checks and fixes are complete, use the Retry button to run the tests again.



Note

If the power and mobile connection tests fail, you will not be able to proceed.



Confirm Vehicle Details

After the connectivity tests, verify the following vehicle details:

- **License Plate** – Ensure the correct plate is entered.
- **Fuel Level** – Check that the reported fuel level is accurate.
- **Odometer** – Verify that the odometer reading matches the vehicle’s dashboard.
- **Battery Voltage** – Ensure the battery voltage is within the acceptable range.
- **Check Engine Light** – Confirm whether the check engine light is active.
- **DTC Codes** – Review any Diagnostic Trouble Codes (DTCs) detected.
- **VIN Number** – Ensure the correct Vehicle Identification Number (VIN) is displayed.

Confirm Vehicle Details

Vehicle Details

License Plate	Unknown
Fuel Level	25% 
Odometer	Unknown
Battery Voltage	14.20V
Check Engine Light	Off
DTC Codes	
VIN Number	1FM5K7D86FGC65123

Back

Adjust Cameras

5. Adjust Cameras

Road-Facing Camera

- Align the **horizon line between the red guide lines** displayed on the screen.
- Take a snapshot and review the image.
- If misaligned, **physically adjust the camera position**, then retake the snapshot.
- Repeat until the horizon line is correctly positioned.

Road Camera Calibration

Aligning the Horizon Line

Align the horizon line with the guide for clear visibility, accurate AI detection, and optimal recording [Learn more](#)



Take Snapshot

Back

Next

In-Cabin Camera

- Make sure the driver's face is positioned in the upper 50% of the image. Align their face above the red guideline shown on the screen for proper framing.
- Take a snapshot and review the positioning.
- If needed, **physically adjust the camera**, then retake the snapshot.
- Repeat until the driver's face is correctly positioned.

Cabin Camera Calibration

Face Alignment Guide

Position the driver's face above the red line in the image for accurate AI detection and optimal monitoring monitoring [Learn more](#)



Take Snapshot

Back

Next

6. Upload Installation Images

To verify the installation, upload clear photos as described below:

- **Vehicle Exterior Installation Photo** (*Required*) – Show how the RZ1 device and cameras are mounted from outside the vehicle.
- **Vehicle Interior Installation Photo** (*Required*) – Show the internal setup, including camera positioning and device placement.
- **Installed RZ1 Device Photo** (*Required*) – Close-up of the RZ1 device mounted in its final position.
- **Cable Connections Photo** (*Optional*) – Capture how the cables are connected to the RZ1 device.

Installation Photos

Take or upload photos of the installed camera from outside and inside the vehicle



Take or upload photo of installed RZ1

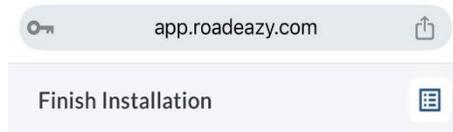


7. Complete the Installation

You'll receive a **Success Notification** when the RZ1 is fully installed and assigned. From here, you can:

- - Tap **History** to review the installation history for this fleet.
 - Tap **New Install** to start the next installation.
 - Tap **Done** to log out and return to the login screen.

Congratulations! Your RZ1 device and cameras are now successfully installed and ready for use.



Vehicle 1
351383240002316

Installation complete!
The device is now fully set up and ready to use.



Note



Once the device is powered on and connected to the cloud, it will be automatically activated and begin reporting data to the system.



Tip

If you encounter any issues, check the [Installation Troubleshooting](#) article or reach out to support for assistance.



Warning

If at any point after an in-vehicle device is installed a warning lights up on the vehicle dash or the vehicle stalls or has a marked drop in performance, shut off the engine, remove the device, and contact your reseller. Continuing to operate a vehicle with these symptoms can cause loss of vehicle control, and serious injury.