SPRLEAF

KEEP YOU ON THE RIGHT TRACK

R316C-RD TOUCH

User Manual

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Activate within 7 days of purchase to claim your
extended limited 12-month warranty to 24 months.

www.sprleaf.com

Content

Sprleaf Dash Cam User Guide

■ **Thank you for choosing Sprleaf**!

For optimal performance and support, please read this guide thoroughly and retain it for future reference.

■ **Installation & Compliance**

Professional Installation Recommended

If unsure about self-installation, consult a licensed technician to ensure compliance with vehicle safety standards.

■ **Legal Requirements**

Dashcam Usage: Follow all state/local laws regarding video recording in public areas.

Avoid capturing identifiable individuals without consent.

■ **Safety Precautions**

Visibility: Ensure the device does not obstruct the driver's view or interfere with airbag deployment.

Lens Care: Do not touch the camera lens directly to avoid scratches or distortion.

■ **Usage Guidelines**

Settings Adjustment: Only modify device settings when the vehicle is stationary to minimize distractions.

■ **Maintenance & Support**

Feedback & Updates: Report inconsistencies or request document updates via contact@sprleaf.com.
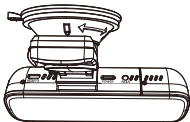
Technical Support:

Email: contact@sprleaf.com

Product Specifications

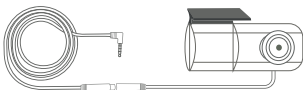| Item Name	R316C–RD	Video Format	TS
Screen Size	3.16" IPS Screen	Photo Format	JPG
Recording Resolution	4K+1080p 2k+1080p*2		
Input	DC 5V–2.5A	Lens	Front cam F1.8 Rear camera F1.8
Operating Temperature	14°F–149°F	Storage temperature	-4°F–158°F
Memory Card	32GB–256GB	Screen	Touch Screen

Package Contents

1 R316C–RD Dash Cam

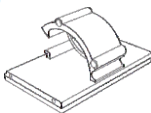**2** Rear Camera with Extension Cable

3 GPS Mount
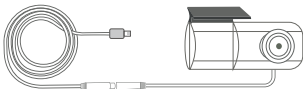
4 1080P cabin Camera （Optional）

5 OBD Smart Hardwire Kit

6 Cable Clips*5

7 Electrostatic Sticker *2

8 Tool

9 User Manual

Appearance

① USB Type-C port Mount

② Rear camera

Rear cam 2 (cabin) ③

Touch Screen ④

Mode button ⑥

Power button ⑤

⑦ GPS Suction Cup

Confirm key

⑫

⑩ Down button   Radar switch ⑪

Front camera lens ⑧

⑨ Up button
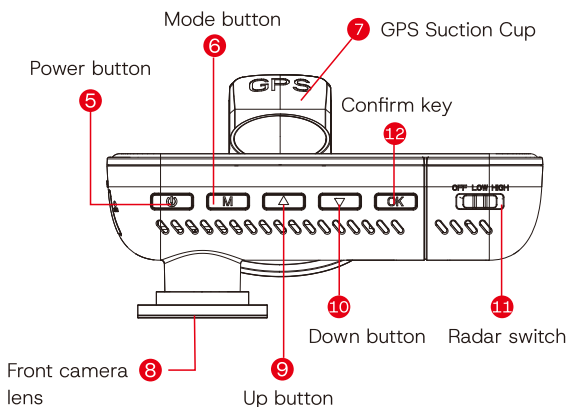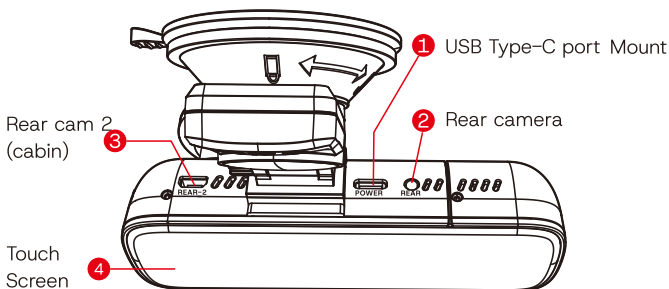
Buttons and Functions

Button	Functions
⏻	Short press to turn on; press and hold for 2 seconds to power off.
M	A short press can enter or exit the settings interface.
▲	Preview Interface: Short press to enable/disable WiFi. Playback Interface: While playing video: Short press Up to switch files; long press for 2 seconds to rewind the video file.
▼	Preview Mode: Short press to cycle through front/middle/rear/PiP. Recording Mode: Press and hold for 2s to toggle mic
OK	During Settings Configuration: Short press to confirm function selection. Preview Interface: Short press to start/pause recording; press and hold for 2 seconds to capture a photo.
Radar Mode	OFF: Radar off. LOW: Reduced range. HIGH: Extended range.

User Interface Overview

Video Resolution · Recording on-off · File Lockind · WIFI Mark · Speaker Mark · GPS · card · Current Date · Recording Time · Parking Monitor · Recording Mark · Current Time · Cabin Camera · Front Camera · Rear Camera

Recording Button · Camera Switch Button · Playback Button · WIFI On-off Button · Setting Button
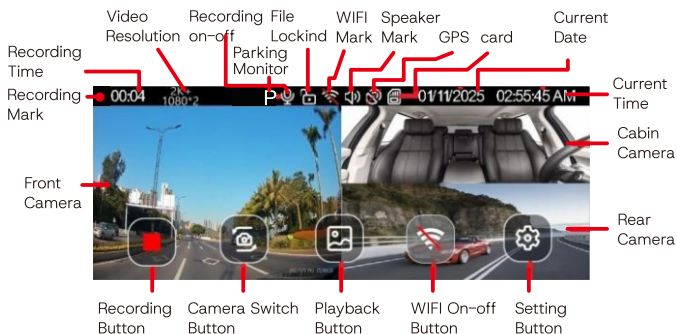
Touch Screen Function

Video Mode

Swipe left or right to quickly switch cameras.
Click on any function icon to touch the screen.

Playback Mode
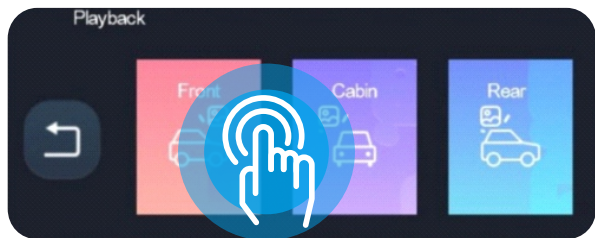
Swipe up and down on the menu interface to turn pages
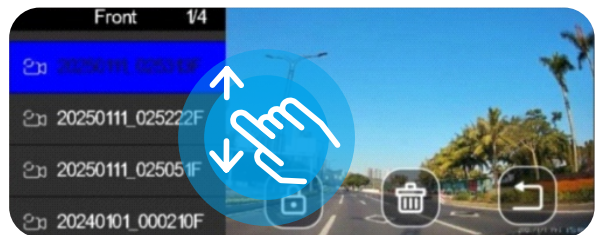
Touch to quickly find videos, lock or delete them

Setting Mode
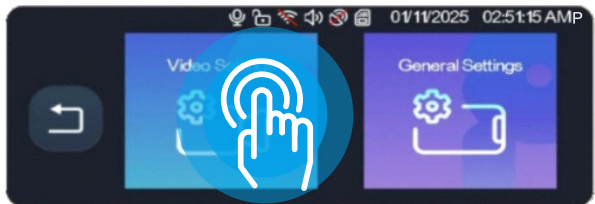
Click the icon →To make quick settings
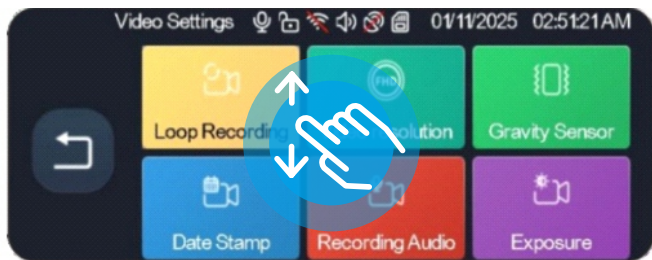
Swipe up and down on the menu interface to turn pages.

Note:
　　If the touch screen becomes unresponsive or other urgent issues arise, you can use the physical buttons to quickly locate videos. This will not interfere with your regular operation.

Function Overview

| Loop Recording | Video resolution | Gravity Sensor |
| Date Stamp | Recording Audio | Exposure |
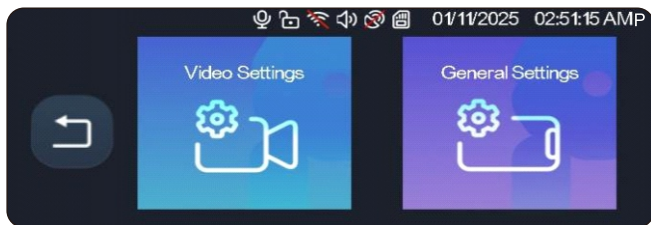
Function	Option/Description
Loop recording	1 min/2 min/3 min/off
Video resolution	4K+1080P/2.5K+1080P+1080P
Gravity Sensor	Low/Medium/High/off
Date Stamp	ON/OFF
Recording Audio	ON/OFF
Exposure	1/2/3/0/-1/-2/-3

| Date Stamp | Recording Audio | Exposure |
| Light Frequency | WDR | |

| Key Sound | Date and Time | GPS Signal |
| Set Time Zone | GPS Speed Unit | Daylight Savings |

| Screen Saver | Format | Language |
| Parking Monitor | Rear Mirroring | System Volume |

| Wi-Fi | Wi-Fi Band | Restore Factory S |
| About | | |
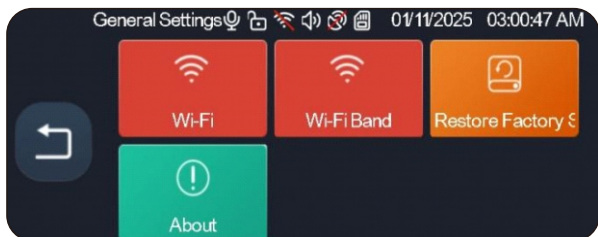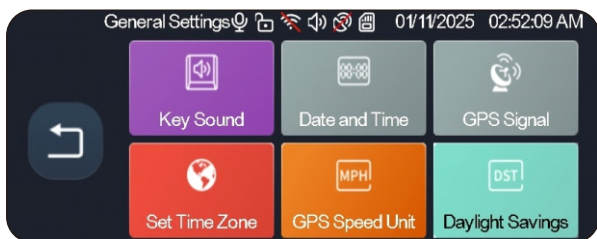
Function	Option/Description
Light Frequency	50Hz/60Hz
WDR	ON/OFF
WiFi	ON/OFF
WiFi Brand	5G\2.4G
Reset to factory settings	OK/Cancel
About	Query current version information
Exposure	1/2/3/0/-1/-2/-3
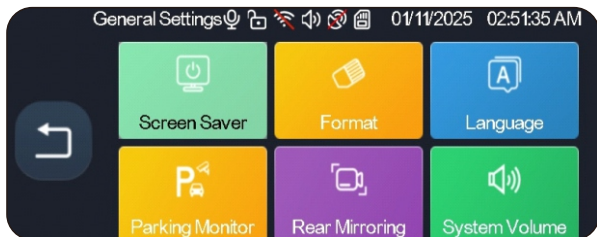
Function	Option/Description
Screen Saver	Close /speed date /15 sec /1 min
Format	Format Memory Card. All data will be deleted
Language	Choose Your Prefered Language
Parking Monitor	Off\Time lapse\Radar Monitor
Rear Mirroring	ON/OFF
System Volume	High\Medium\Low\Off
Key sound	ON/OFF
Date and Tme	Date/time format, etc.
GPS Signal	GPS receiving DB value status
Set Time Zone	GTM Time Zone Settings
GPS Speed Unit	Close/KM/H/MPH
Daylight Savings	ON/OFF

Note

   For optimal performance, we recommend formatting your memory card once a month. Be sure to back up important files to your computer before formatting.

Parking Monitor and Radar Instruction

This dashcam integrates millimeter-wave radar technology with an OBD Hardware Kit to provide superior parking monitoring capabilities, making it the ultimate solution for vehicle safety. The radar system requires power from the OBD hard-wiring kit to work properly. Do not connect the radar if you use a standard power cable, otherwise the radar will not work.

Key technical advantages:

OBD Hardwire Kit connection low-voltage protection to prevent battery drain

360° horizontal coverage

5-meter dynamic object detection range

2-second response delay

Event-locked video preservation

When the OBD Hardwire Kit detects that the engine is turned off, the system automatically starts parking monitoring mode. When motion is detected within the radar's 16.5-foot detection radius, the dashcam starts emergency recording within 2 seconds and continues recording until all motion around the vehicle stops. After that, it seamlessly returns to standby monitoring mode.

App and Wi-Fi Function

How to Connect to Wi-Fi Using the App

1.Download the App

      You can download the App through the following channels

      . QR code on the manual (QR code below)

      . Search "GFG Drive" in Apple App Store or Google Play Store

   . QR code of the dashcam's Wi-Fi connection interface

2.Turn on the dash cam's Wi-Fi connection. The display will show the Wi-Fi network name (SSID) and password.

3.Open the GFG Drive App > Follow the steps to jump to the Wi-Fi connection interface > Find the dashcam's Wi-Fi > Enter the password to connect. (The default password is 12345678)

4.After successfully connecting to Wi-Fi, return to the App to use it.

App Home
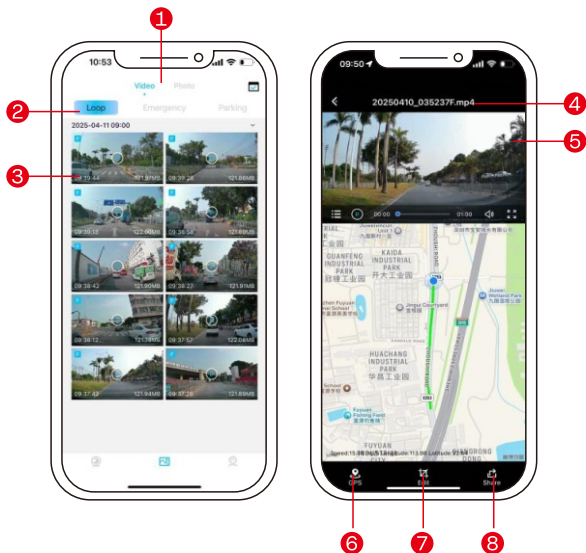
1. video / photo
2. LOOP/ Emergency / Parking Mode
3. Switch recording screen
4. Recording time
5. Video play window
6. GPS information / Motion track
7. Video editing
8. Video sharing
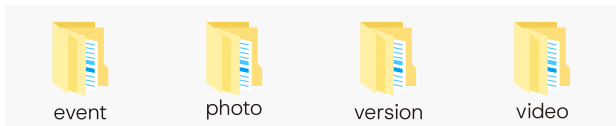
How to Play Using a Computer

1. Access the footage

   Remove the Micro SD card: Remove the Micro SD card from the dashcam.

2. Transfer files to your computer

   Micro SD card adapter: If your computer does not have an Micro SD card slot, use a USB adapter.

   Find files:

event	photo	version	video

   event folder: Used to store gravity-sensitive and locked files
   Photo folder: Used to store photos
   Version folder: Used to store system files, Do not delete
   Video folder: Used to store dash cam video files

   Note:

   The parking mode(RADAR) time-lapse videos will NOT be saved under the events folder. You can find them under normal "video" folders.

3. Play videos

   We recommend using sprleaf Player as the correct video player to watch/play videos. It can also view Google Maps.

   You can Download it for free on Mac or Windows from the following link: https://www.sprleafcam.com/pages/gps-player

   You can choose different playback modes in Settings > Video Playback Mode. You can set playback speed, language, map, and various other functions.

① Video play window (Front)	② Video play window (Rear)
③ Map and track display	④ Play control panel
⑤ Speed and driving state indication	⑥ Play list

3. **Troubleshooting**

   File corruption: Test the Micro SD card on another device; reformat if necessary (back up first).

Insert Memory Card

Insert the memory card into the dash cam, ensuring that it is oriented correctly so that the gold contacts are facing towards the screen of the dash cam. Push the memory card until it clicks into the slot.
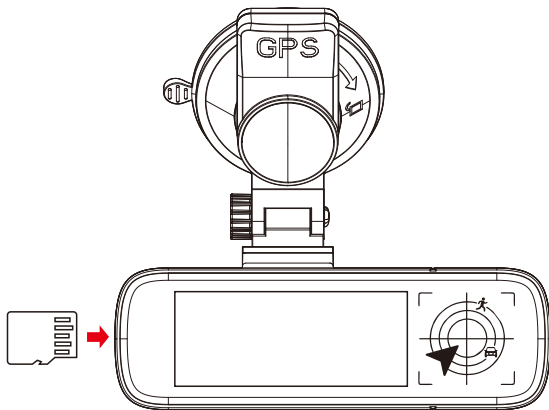

Memory card is an important part of your dash cam setup. To ensure the smooth operation of the dashcam, please use Sprleaf original memory card. However, one thing to note is that if you get another brand card, we can't say anything about its quality and how long it will last.

Install the Dash camera

1. Connect the OBD Hardwire Kit to the car OBD scocket(Lower left side of the decorative panel below the steering wheel).
2. Connect the Type-C of the OBD Hardwire Kit to the dashcam.
3. Fix the line with a crowbar and cable clamp, as shown in the figure below
4. Adjust the angle and position of the Dash cam as needed to obtain the best viewing effect.

a.Remove the electrostatic sticker and place it at theselected location.

OBD socker
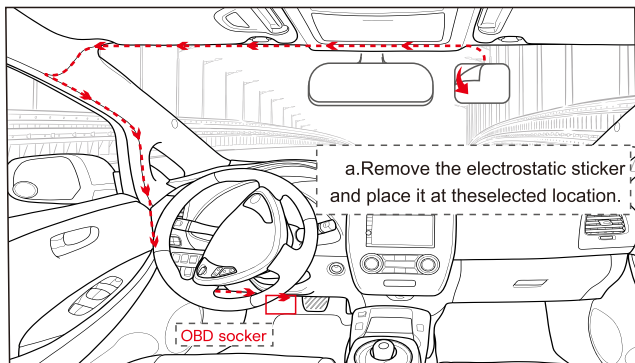
b:Use a suction cup mount to fix the dashcamon the windshield.
Adjust the GPS module counterclockwise to fix the bracket.

GPS

GPS

c: adjust its angle for a better viewing angle.the electrostatic sticker.
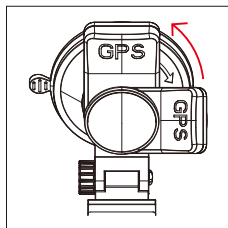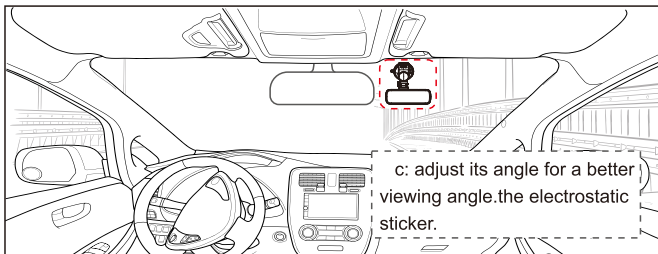
## Mount The Rear Camera

1. Connect the rear camera to the dashcam.
2. Apply the static sticker where you want to mount the camera. Then place the camera on the static sticker and press gently to ensure it fits securely.
3. Hide the cables of the rear camera in the gaps between the front windshield and the roof, between the passenger side body and the roof, and between the rear seats and the roof.
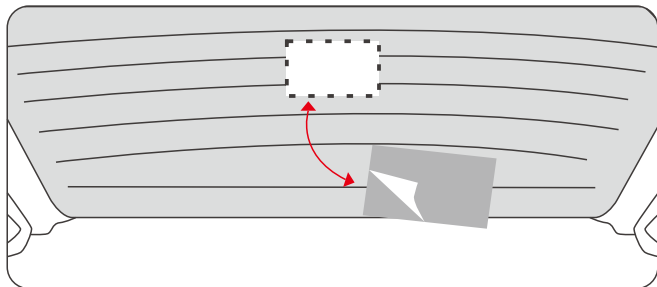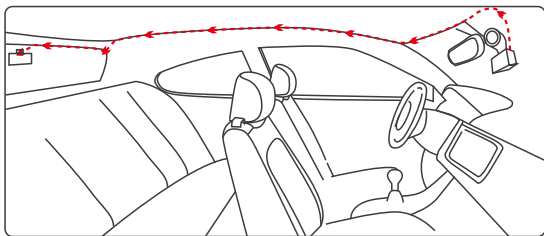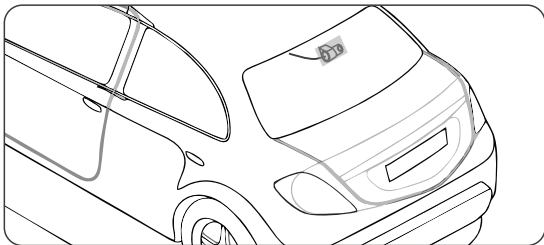
OBD Hardwire Power Adapter for Dash Cams

This OBD hardwire adapter provides seamless power to dash cams, GPS devices, or other 5V accessories via your vehicle's OBD-II port. Designed for 12V/24V vehicles, it features adjustable low-voltage protection, a digital display, and supports 24/7 parking surveillance.

Working Modes

Vehicle stationary state
The OBD control box has a built-in G-sensor chip.After vehicle inactivity exceeds preset duration(2/5/10min),no G-sensor trigger):

-Terminates ACC power output

-Dash cam enters parking monitoring mode

NOTE:Without turning on the Parking Monitor Mode, after the car is turned off, the device is turned off.

During vehicle motion:

-Activate the G- sensor through vibration detection cycle and provide continuous power supply

Intelligent Voltage Management

If battery voltage < OBD preset threshold:

-60s countdown → Permanent power cutoff (G-sensor disabled)

Upon restart with voltage ≥13.0V :

-Restores normal voltage output

Initiates dashcam boot sequence

Key Features

1. Plug-and-Play Installation

2. Connects directly to your vehicle's OBD-II port (no wiringmodifications needed).

3. Adjustable ACC Detection

   Automatically detects ignition status (ACC mode).

   Digital screen displays real-time voltage (12V/24V) and powermode after startup.

4. Smart Low-Voltage Protection
   Prevents battery drain by cutting power when voltage drops below your preset level:
   12V Vehicle: 11.6V – 12.9V
   24V Vehicle: 23.2V – 25.9V
   Recommended cutoff:11.6V(12V)/23.2V(24V)
   24/7 Parking Surveillance Mode
   Powers dash cams even when the engine is off.
   Activates after a 60-second countdown when ignition is turned off.

Installation Guide

■ **Locate the OBD-II Port**

Typically under the dashboard near the driver's seat (refer to your vehicle manual).

Press and hold [-] button for 3 seconds (**Sensor Countdown Setting**) to customize the sensor time. Respectively: 2/5/10 minutes.

Press [+]to view the current(**low voltage protection value**). Press and hold [+] button for3 seconds to enter setting mode. Press the^{+/-} buttons to adjust the cut off voltage.

Note1: Car batteries are generally 12 volts, and large vehicles generally use 24 volts. Recommended cutoff:11.6V(12V)/23.2V(24V)

Note2: After configuration, secure OBD control module to vehicle using included cable ties/adhesive pads. Ensures vibration detection accuracy. Loose mounting causes dash cam shutdowns and reboot loops.

Trouble shooting Issue&SolutionNo power to dash cam Check OBD connection; confirmignition/ACC is on. Parking mode not working Re-enable via dash cam settings; Voltage cutoff too sensitive Adjust protection grade to "Low(11.6V/23.2V).

Note:

Disconnect if unused for extended periods.

Quick Fixes for Common Issues

Q: Why won't my device turn on?
A: Likely due to a loose or faulty power connection.Securely plugging it into a charger or power source.

Q: Why isn't my GPS working?
A: This is typically caused by a loose connection or weak GPS signal. Confirm theGPS icon appears active on the screen.

Q: Can I use a standard car charger to enable parking surveillance mode?
A: No, a standard car charger does not support parking surveillance mode. It only provides power for regular dashcam functions while driving. Once the engine is off, the charger automatically cuts power.

Q: There is no sound when recording.
A: Please check if the microphone icon on the dashcam screen is enabled. You can long–press the ［▽］ button to turn the microphone on or off. If you still cannot record audio, please contact us and we will assist you with further troubleshooting.

Q: Unit gets hot during use.
A: A slight warmth is normal during recording. If it becomes excessive, ensure the camera is not directly exposed to sunlight for extended periods. Still concerned? Reach out to us.

Q: Parts like mounts, cables, or manuals missing.
A: We're sorry for the inconvenience. Please contact our customer service with your order number, and we'll promptly send the missing items.

SPRLEAF

Official website

Email

For any issues or inquiries, please contact us through our official website or via email. We are here to assist you and ensure your satisfaction with our products.

Scan the QR or visit www.sprleaf.com

Activate within 7 days of purchase to claim your extended limited 12-month warranty to 24 months.

CE FC ♻ ☒