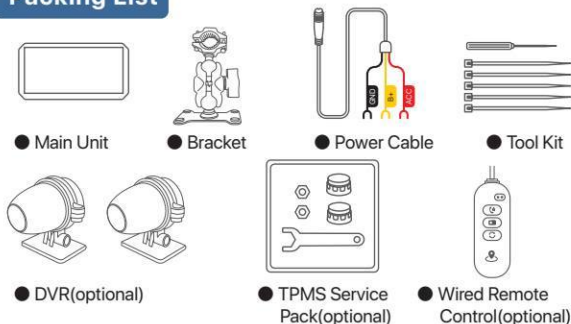


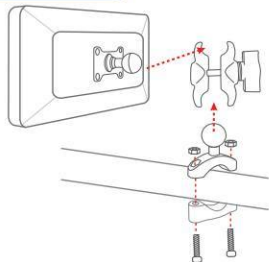
The L310 User Manual

Packing List



⚠ Actual configuration is subject to the physical product due to continuous improvements.

Bracket Installation

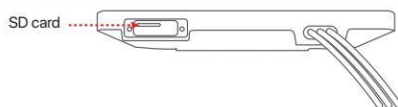


Installation Steps

1. Secure the bracket base to the handlebar using the supplied screws.
2. Attach the main unit to the bracket base using the supplied screws.
3. Attach the main unit to the bracket base using the supplied screws.

⚠ **Safety Warning:** Ensure the installation of the main unit, bracket, and associated cabling does not obstruct the rider's field of vision or interfere with vehicle controls.

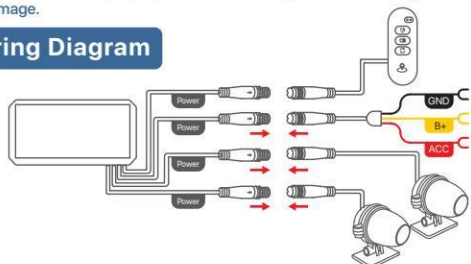
microSD Card Installation



1. Remove the waterproof rubber cover located on the top of the device.
2. Insert the microSD card into the upper (larger) slot. Ensure the card is oriented correctly as shown in the diagram.
3. Verify the card is recognized by checking the recording interface.
4. Reinstall the waterproof rubber cover and ensure the waterproof plug is fully seated to maintain the IP rating.

⚠ **Caution:** Failure to properly seal the cover may result in water ingress and device damage.

Wiring Diagram



Red Wire:Power Positive + **Black Wire:**Key Switch Input / GPS Ground

Black Wire: Front Camera Input

Blue Wire: Rear Camera Input

Power End Connectors:

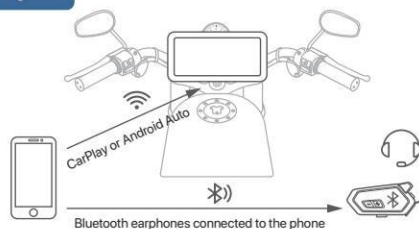
Black Wire: Connect to battery negative terminal or vehicle chassis ground (GND) Yellow

Wire: Connect to Constant 12V Power (Battery +).T

Red Wire: Connect to ACC Power (Ignition Switched).

⚠ **ACC Power Definition:** Voltage is 0V when the motorcycle ignition switch is in the OFF position. Voltage should measure between 11V~14.4V when the switch is in the ON position. This line is identified as ACC power.

Audio Output



Interface Overview



- | | |
|-------------------|-----------------------|
| 1. Compass | 5. Phone connectivity |
| 2. Speedometer | 6. DVR Recording |
| 3. TPMS Status | 7. DVR Playback |
| 4. Volume Control | 8. Vehicle Settings |

Settings Menu

Car Setting

Vehicle Settings: Theme: Set display theme to Dark, Light, or Auto (Default: Auto).

Language: Supports Simplified Chinese, Traditional Chinese, English, Français, Deutsch, Italiano, 日本語, Português, Русский, Español, Polski, Türkçe, 한국어, Nederlands.

Time Setting: Adjust date, time, and display format.

Backlight Level: Manually adjust screen brightness or enable auto-dimming based on ambient light.

Bluetooth Settings: Paired Devices: View and manage connected Bluetooth devices.

System Settings: About: View current firmware version and system information.

Boot Logo: Replace the startup logo using an image file stored on the SD card.

Restart System: Factory Reset: Restore all settings to default values.

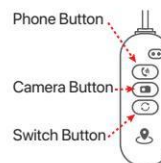
Wired Remote Control(optional)

1. Install the wired remote control in a suitable position on your motorcycle.
2. Key functions:

Phone Button: Short Press: Answer or end a call. Long Press: Reset the device.

Camera Button: Short Press, Take a photo. Long Press, Manually save/save the current video recording.

Switch Button: Short Press: Switch the rearview media source (e.g., camera feed). Long Press: Lock or unlock the touch screen functionality.



DVR Settings (Optional Feature)

1. Connect the front and rear camera plugs to their corresponding ports on the host cable.
2. A blinking red dot in the upper-right corner of the main interface indicates the DVR is operating normally (this indicator is visible on any screen).
3. Enter the DVR interface to configure recording parameters (e.g., loop recording length, resolution).
4. Play back recordings from the main interface, by removing the SD card and using a computer, or via the smartphone app.

DVR Video Download:

1. Install the companion app by scanning the QR code below or searching for "Vilidure" in the Apple App Store or Google Play Store.
2. Enable Wi-Fi on your smartphone and connect to the device's Wi-Fi network (SSID: MOTO_*****). Launch the app and tap to connect to the DVR.
3. Once connected, use app features including live view, photo capture, video playback, and file downloads.



⚠ **Compatibility Note:** Some features may require specific hardware or the latest OS version. Please ensure your app is updated to the newest version for full functionality.

Mobile phone interconnection function

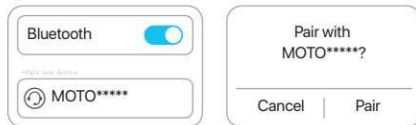
Apple CarPlay



1. Go to the "Settings" menu on your iPhone and enable Bluetooth .
2. Go to the "Bluetooth" menu and under the "OTHER DEVICES" list, select the Bluetooth named "MOTO*****".
3. Wait for about 20-30 seconds, and your iPhone will display a "Bluetooth Pairing Request" window. Select "Pair".
4. Your iPhone will then prompt you with a "Use CarPlay with 'SmartScreen'?" window. Select "Use CarPlay".
5. Wait for a moment, and you will enter CarPlay mode.

- Both CarPlay and the iPhone voice system need to be enabled, so please check if Siri is turned on.
- Different iOS versions may have variations from the example provided, so please refer to your actual situation.
- If you want to switch to Android Auto, you need to disable Bluetooth and Wi-Fi on your iPhone and disconnect from Apple CarPlay mode.

Android Auto



1. Go to the "Settings" menu on your phone and enable Bluetooth .
2. Tap on the "Bluetooth" menu to access the Bluetooth search page.
3. Click on "Pair new device".
4. From the list of Available devices, select the Bluetooth named "MOTO*****".
5. Wait for about 20 seconds, and your phone will display a "Pair with MOTO*****" window. Select "Pair".
6. Wait for a moment, and you will enter Android Auto mode.

- Please make sure your phone is running on Android 11 or above and supports 5GHz Wi-Fi and Google Play services.
- Display and settings may vary across different Android models, so please refer to your actual situation.
- If you want to switch to Apple CarPlay, you need to disable Bluetooth and Wi-Fi on your phone and disconnect from Android Auto mode.

TPMS Sensor Installation (Optional Feature)

1. On the main screen, tap "TPMS Status" to enter the pairing page.
 2. Tap the "Unpaired" button corresponding to the desired wheel position (Front/Rear).
 3. Enter the 6-digit ID code printed on the tire pressure sensor.
 4. Remove the original rubber valve stem core from the wheel.
 5. Thread the supplied hex nut clockwise onto the valve stem.
 6. Thread the sensor clockwise onto the valve stem.
 7. Use the supplied wrench to tighten the anti-theft nut counterclockwise against the sensor body to secure it.
 8. Wait approximately 10 seconds. The screen will display real-time pressure and temperature for that wheel, indicating successful pairing.
 9. After pairing, take a short test ride to ensure all values stabilize without warnings.
- ⚠ **Multi-Vehicle Support:** This device supports TPMS for 2-wheeled, 3-wheeled, and 4-wheeled vehicles. Ensure the vehicle type setting matches the number of sensors installed.

Wired Remote Control + GPS Function (Optional) (Remote Control Button Function Diagram Required)

1. Use the supplied "O"-shaped bracket to mount the remote control in a convenient location on the motorcycle handlebar.
2. Button Functions:
Phone Button : Short press to answer incoming calls; Short press again to end calls.
Camera Button : Short press to take a photo; Long press to lock/protect the current recording file.
Mode/Switch Button: Short press to cycle through views (Main Interface → Smartphone Mirroring → Rearview Stream → Main Interface). Long press to lock/unlock the touchscreen to prevent accidental touches while riding.
3. GPS Function: After a position fix is acquired, a GPS icon will appear in the status bar (icon remains hidden if the GPS module is not installed). GPS data displayed includes: Compass direction GPS Status indicator Altitude Heading Longitude & Latitude Local Time (automatically updates the system clock and date) Speed (displayed on the center speedometer and on the left side of the DVR interface).

View Version Information

Navigate to: Vehicle Settings → System → About.

General	Devices Model	L310
Bluetooth	Device Serial Number	V853-20260331_DVR
System	APP-Version	V853DVR-20250625-V5
	Hardware version	MOTO_V853_V0.4
	OTA upgrade	>

Firmware Upgrade (OTA)

Navigate to: Vehicle Settings → System → About → OTA Upgrade.

1. Enable the Wi-Fi switch and connect to an available wireless network (e.g., home Wi-Fi or mobile hotspot).
2. Tap "Check for Updates." If a new version is detected, a prompt will ask for confirmation. Tap "Yes" to proceed.
3. The download progress bar will display the status. After the download completes, the upgrade will install automatically.



- ⚠ **Critical Warning:** Do not power off the device during the upgrade process. The device will restart automatically upon completion. (Note: Upgrades cannot be performed if the current version is already installed or while a smartphone mirroring connection is active. Disconnect mirroring first.)

Precautions

1. Water & Dust Resistance: Do not direct a high-pressure washer directly at the device. If soiled with dust or sand, wipe gently with a soft, dry cloth.
2. Cleaning Agents: Never use gasoline, oil-based cleaners, or other organic solvents. These may corrode plastic components, degrade waterproof seals, and damage surface coatings.
3. Camera Lens Care: Keep lenses clean. Foreign particles or abrasive materials may scratch the lens surface, degrading image quality.