

[Manuals.plus](#) /

› [JOINLGO](#) /

› JOINLGO J3-4GW 8-CH 4G GPS WiFi 1080P Mobile Vehicle DVR Video Recorder Kit Instruction Manual

JOINLGO J3-4GW

JOINLGO J3-4GW 8-CH 4G GPS WiFi 1080P Mobile Vehicle DVR Video Recorder Kit Instruction Manual

Brand: JOINLGO | Model: J3-4GW

[Setup](#)

[Operating](#)

[Maintenance](#)

[Troubleshooting](#)

[Specifications](#)

[Warranty & Support](#)

1. SETUP

1.1 Package Contents

Verify all components are present in your kit:

- Mobile DVR Unit
- 10.1" IPS Touch Screen Monitor
- 8 Waterproof IR Car Cameras (various types for front, rear, side)
- Power Cables
- Video Extension Cables (5m, 10m, 15m)
- GPS Antenna
- 4G Antenna
- WiFi Antenna
- Wireless Mouse
- Remote Controller
- Microphone
- User Manual & Warranty Card

Rich Interface, Powerful Function

Amazing Appearance, High Performance.

Support 1CH CVBS and 1CH VGA and 1CH HDMI output.

Support 4 I/O alarm input and 1 I/O alarm output,

Wifi & 4G LTE connection for remote view on APP/WEB/PC

Live view/playback/download tracking and video.



Figure 1.1: Overview of the JOINLGO DVR Kit components, including the mobile DVR, monitor, cameras, and various cables and accessories.

1.2 Connecting Components

Follow these steps to connect the main components of your DVR system:

1. **Power Connection:** Connect the main power cable to the 5-pin power port on the DVR unit. Ensure proper polarity (red to positive, black to negative).
2. **Monitor Connection:** Connect the 10.1" monitor to the VGA output port on the DVR. Power the monitor using its dedicated power cable.
3. **Camera Connections:** Plug each of the 8 cameras into the AV IN1/2/3/4 ports on the DVR using the provided 4-pin extension cables. Ensure secure connections.

4. **Microphone Connection:** Connect the microphone to the audio input port on the DVR to enable audio recording.
5. **Antenna Connections:** Securely connect the GPS, 4G, and WiFi antennas to their respective ports on the DVR unit.
6. **Wireless Mouse:** Insert the wireless mouse receiver into one of the USB slots on the DVR for menu navigation.
7. **SD Card & SIM Card Installation:** Unlock the protective cover on the DVR. Insert two SD cards (up to 1TB each) and one 4G SIM card into their designated slots. Ensure the door is locked after insertion for proper operation.



Figure 1.2: Detailed view of the DVR interface, showing ports for cameras, monitor, power, and antennas.

1.3 Initial Power On

Once all connections are made, ensure the vehicle's power supply meets the requirements (12V/24V DC, current higher than 1.5A). Power on the MDVR. The system will display a loading screen on the monitor.

Your browser does not support the video tag.

Video 1.1: This video demonstrates the unboxing and initial setup process for the 4G GPS WiFi Mobile DVR, including connecting power, monitor, cameras, and antennas.

2. OPERATING

2.1 10.1" IPS Touch Screen Monitor

The system features a 10.1-inch IPS touch screen with a 1280x800 resolution for clear visuals. Navigate menus easily with touch controls or the wireless mouse. The monitor supports horizontal/vertical flip for any channel and multi-mode display options.

Next-Gen Powerful DVR



Figure 2.1: The 10.1-inch IPS touch screen monitor provides a high-resolution display and intuitive touch controls for easy operation.

2.2 Recording Features

- **Loop Recording:** The DVR supports 8-channel 1920x1080 @30fps real-time loop recording. It utilizes H.265 coding for maximized storage efficiency without compromising quality.
- **Motion Detection:** Configure motion detection areas and alarm schedules. The system activates alarms only when the engine is off, providing security.
- **G-sensor:** A built-in G-sensor detects sudden movements like hard acceleration, abrupt braking, speeding, and impacts, automatically saving key event footage.
- **4-CH Alarm Input:** Supports 4 triggers (e.g., turn signals, parking, panic button). Upon activation, the system can automatically switch to full-screen display for the triggered camera and lock the footage.



Figure 2.2: Illustration of the intelligent alarm process, including motion detection, G-sensor activation, and 4-channel trigger responses.

2.3 Remote Monitoring & Connectivity

The DVR integrates 4G, GPS, and Wi-Fi modules for comprehensive data transmission and remote management:

- **Remote Live View:** Monitor live video feeds from your PC, web browser, or iOS/Android smartphone using the CMSV7 app.
- **Playback & Download:** Remotely play back recorded footage and download videos for review.
- **GPS Tracking:** The built-in GPS module precisely positions the vehicle and records location information

within the video stream, allowing for track playback.

- **Geo Fence:** Set up virtual geographic boundaries and receive alerts if the vehicle deviates from predefined routes.



Collision Sensor Lock

In a collision, the MDVR records and **locks key accident** footage. Its super-capacitor ensures operation for **8 seconds** after the engine shuts off.

Figure 2.3: The system supports remote live view, video playback, and GPS tracking via PC, web, or smartphone app for effective fleet management.

Your browser does not support the video tag.

Video 2.1: This video provides an overview of the JOINLGO Network DVR Camera System, highlighting its various features and capabilities.

3. MAINTENANCE

3.1 Durable Design

The MDVR unit features an aluminum die-cast chassis with a fanless design, ensuring durability and adaptability to various working environments. The cameras are IP68 waterproof, built with full metal, and include IR LEDs for reliable night vision.



Mobile Dvr x 1



10" IPS Screen x 1



Side IR Camera x 4



Rear IR Camera x 2



Front Camera x 2



5mt (16ft) cable x 2
10mt (33ft) cable x 4
20mt(65ft) cable x 2

Figure 3.1: The system components are designed for durability, featuring a full-metal, IP68 waterproof construction for reliable operation in harsh conditions.

3.2 Storage Management

The DVR supports pluggable 2.5-inch HDD/SSD storage up to 4TB and two SD card slots supporting up to 1TB each (memory cards not included). Regular backup of important footage is recommended. Ensure SD cards are formatted periodically for optimal performance.

3.3 Power Management

The system supports delay recording for up to 24 hours after vehicle shutdown (drawing power from the vehicle's battery) and includes 8-second backup via built-in capacitors to save critical footage during power interruptions.

4. TROUBLESHOOTING

- **No Power:** Check all power connections, ensure the voltage is 12V/24V DC and current is above 1.5A. Verify the power cable is securely plugged into the DVR.
- **No Camera Display:** Ensure all camera cables are securely connected to the AV IN ports. Check individual camera connections. If a camera is dimming, try disconnecting and reconnecting it.
- **Recording Issues:** Verify that SD cards and/or HDD/SSD are correctly installed and locked. Ensure sufficient storage space is available. Format storage devices if necessary.
- **4G/WiFi/GPS Connectivity:** Ensure antennas are tightly connected. For 4G, verify the SIM card is

correctly inserted and the APN settings are configured according to your SIM card provider. For WiFi, ensure you are connecting to a 2.4G WiFi hotspot.

- **Remote App (CMSV7) Issues:** Ensure the MDVR has active 4G or WiFi internet connectivity. Verify account login details and change the default password upon first login.

5. SPECIFICATIONS

Feature	Detail
Model Number	J3-4GW
Video Capture Resolution	1080p
Connectivity Technology	4G, HDMI, Wi-Fi
Special Features	4G Connection, Built-In GPS, Built-In WiFi, G-Sensor, Motion Sensing
Vehicle Service Type	Bus, Car, Truck
Camera Waterproof Rating	IP68
Monitor Display	10.1" Touch Screen, 1280x800 Resolution
Storage Support	1 x 2.5 inch HDD/SSD (up to 4TB), 2 x SD (up to 1TB each)
Power Input	12V/24V DC
Item Weight	17.76 pounds
Package Dimensions	15.9 x 12.4 x 8.6 inches

6. WARRANTY & SUPPORT

6.1 Warranty Information

This product comes with a **2-year warranty**. Please refer to the included warranty card for detailed terms and conditions.

6.2 Technical Support

For technical assistance, please refer to the contact information provided in your user manual or on the official JOINLGO website. The CMSV7 app allows for remote live view, playback, and tracking, and supports grouping multiple devices under one account. Remember to change the default password when logging in for the first time.

