

CP2-LTE2 Channel HD Recorder



Version 1.0

Install Guide with Secondary Cam



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CP2-NA-LTE
2 Channel HD Recorder



Installation Guide
MODEL: CP2-NA-LTE
Version: 1.0

Warning

Installations should be performed by a qualified individual or installation professional only. Working with a vehicle's power system can be dangerous to both you and your vehicle. This installation is intended only to be a guide since vehicle designs and power/input sources can vary significantly from vehicle to vehicle. If you need to schedule an installation, please contact M2M in Motion.

Safety Alert





CAUTION: TO REDUCE THE RISK OF ELECTRICAL SHOCK,
DO NOT REMOVE COVER.
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

Please make sure you follow the safety advice and instructions given in the user guide.





Caution

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS. Battery for Real Time Clock (RTC) inside.



Caution

Install the product where it does not block driver's visibility and where there is no airbag installed. This could cause an accident or might injure passengers in case of accident.

Caution



Damages due to production malfunction, loss of data, or other damages occurring while using this product shall not be the responsibility of the manufacturer. Although the product is a device used for recording videos, the product may not save all videos in the case of a malfunction. In the case of an accident, the sensor may not recognize the shock when the impact is light and as a result it may not begin recording automatically.



Warning

TO PREVENT FIRE OR ELECTRIC SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

Introduction

The CP2-LTE is the world's most advanced incident camera with powerful LTE video transmission, built-in GPS tracking and drive data. CP2-LTE will record exactly what happened before, during and after an incident. It does this by recording the following information: Drivers view of the road, Vehicle Location, Impact Force of Accident, Audio, and Driving Style (speed, acceleration, braking, and steering). This evidence can protect a driver from many of the issues faced on the roads today: Insurance fraud, Staged Accidents, False/Exaggerated Whiplash Claims, Conflicting Reports of Actual Events, Driving Offence Allegations (speeding, traffic signal violations, swerving, etc.).

When a SIM card is inserted, CP2-LTE is able to send video and driving data via a cellular network (T-Mobile or AT&T in USA, Bell or Rogers in Canada). North American customers can use the CP2-LTE to transmit safety critical video directly to a server. CP2-LTE can also be used as a stand-alone system utilizing only the SD cards to review video and data with PC analysis software.

Recording

- View 170° Wide Angle Lens
- Record Full HD 1920x1080 (720p and VGA also supported)
- Record 30 frames per second (FPS is adjustable)
- Record dual mode (Continuous + Event)
- Connect directly to vehicle ignition power, automated operation
- Tamper-Resistant Design, secure cover encloses SD card and SIM card
- Built-in G-Shock Sensor and Gyro (adjustable sensitivity)
- Built-in temperature monitor and intelligence in high-temp environments
- Delay power shutdown feature enables recording for up to 24 hours after ignition off
- Integrated LTE/3G Cellular Modem (2FF SIM size)



Playback and Analysis

- Mac & PC Analysis Software Included
- Real-time notification of events and images during road incidents
- Live tracking location and live streaming video available
- Google maps integration for route tracking
- Filter data search by time/date, event, vehicle speed, G-Force level, save/print event reports
- MP4 conversion tool and data is watermarked
- Privacy masking feature for blurring out faces or license plate numbers.
- Advanced driver behavior analysis and reporting software
- OTA software & firmware updates.

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Package Contents	
Product Name	Image
CP2-LTE Vehicle Recorder SD and SIM cards pre-inserted (if applicable)	
Power Adapter	Dr. of St.
Locking SD/SIM Cover (x1)	9
Keys (x2)	
3M VHB Pads (x2)	
Alcohol Prep Pads (x2)	Associal Associal Prep Pad Prep Pad
Wiring Harness	
Power Cable	O
Cord Zip Ties	



Hardware Overview



Locking Cover



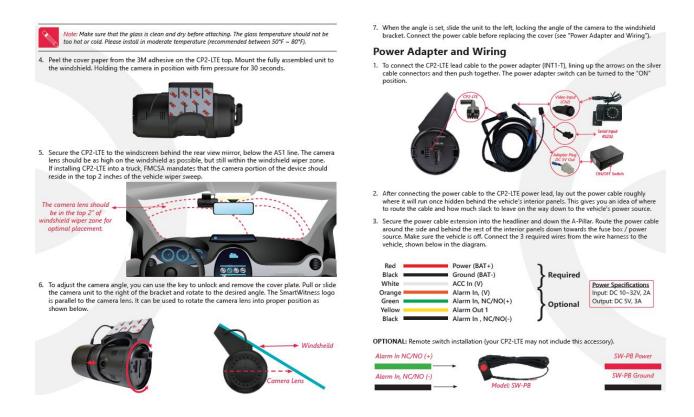
Installation

SD Memory Card Slot

First Steps







Secondary Camera Connection

An optional secondary camera can also be added to the CP2-LTE via Channel 2 input. The CP2-LTE is equipped with a simple plug & play connection. Simply connect the male end connector of the into the female end input on the CP2-LTE and mount the camera to the customer-specified location in the vehicle. The most common installation of the secondary camera is inside the main cabin and facing the driver.





Completion & Power-up

After installation of the CP2-LTE and accessories into the vehicle you can turn on the ignition and CP2-LTE recorder will power on.

- 1. There will be a sequence of red, blue & green LED lights during the boot-up process.
- 2. Once boot-up is complete, there will be a solid **blue** light. This means proper operation and recording. Shortly after, the **green** light should become steady, indicating connectivity. If **blue** and **green** LEDs are not both solid after 5 minutes, there is an error, please see "LED Status" on page 14 or contact your supplier or email support@m2minmotion.com to create a support ticket.
- 3. After the camera has been booted completely, press the G-Sensor calibration button once (small red button to the left of the panic button). The vehicle should be parked and on a flat surface when pressing the G-Sensor Calibrate button.
- 4. Give the provided keys, extra parts and a copy of the installation report to the fleet owner/administrator.
- 5. There will be a beep and the camera light will blink briefly to indicate that the G-Sensor has calibrated.
- 6. Give the provided keys, extra parts to the fleet owner/administrator.

Troubleshooting CP2

- 1. The CP2-LTE has a solid red LED on as well as solid green and blue.
 - a. Solid red LED indicates the 2nd camera is not receiving a video signal. Please check the cameras connection.
- 2. The CP2-LTE blue light is solid but the green LED is blinking or off.
 - a. Remove, swipe clean, and re-insert the SIM card and verify the SIM is inserted correctly.
 - b. If CP2-LTE green is still blinking, it may be a camera configuration issue or a server issue. Please contact support@m2minmotion.com.



3. The CP2-LTE red LED is solid

a. There may not be enough voltage/amperage. Check the power supply. The ground connection may also be bad.

		Sound				
	Warning	Record	Network			
	Red	Blue	Green	1		
	Booting	step 1	On	Off	Off	
Startup	Booting	On	On and Off	Off		
Startup	Booting	step 3	On	On	On and Off	
	Booting	Ó	On	On	Beep No. 2	
Power Off During power off		ower off	Off	Fast Simultanious On and Off		
	Power off finished		Off	Off	Off	
	Continuous Record			On		
		Stand By		On		
Record	Event Record	Recording		Fast On and Off		
Hecora	Dual Record	Continuous Recording		On		
	No Record	Event Recording		Fast On and Off		
Communication	Network Device Ready				On	
Communication	Communication				On	
	SD Initialize (format)		Off	Sequence On and Off		Continuous Beep No. 2
Function	G-Sensor 0				Beep No. 2	
	FWUpg		Double Sequence On and Off			
Warning	System Warning	SD card full	Flashing (blink rate: fast)	Off		Beep No. 3
		Video loss	On			
Error	Record Error	SD Error, No SD, Write Fail	Slow On and Off	Off		Beep No. 3
		Network device error, SIM error			Off	
	Communication Error	Data Network			Slow On	
		connection			and Off	l
	Liioi	DMS			Slow On	
		communicate			and Off	
		error			andon	
Event Trigger G-Sensor, Panic Button, Alarm-In					Beep No. 1	
	Overst				Beep No. 4	
					(2 times)	