

J. J. Keller & Associates, Inc.

HD DASH CAMERA – 60428

Frequently Asked Questions

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! DISCLAIMER !

Any changes of Settings mentioned in this FAQ should be done while the vehicle is at rest. One should never change these settings while driving. All troubleshooting steps are considered with the dash camera's power On.

Power-Related

- 1. When I start my vehicle, why does the camera start recording but turn off after a few seconds?**

Answer: The camera is not being correctly supplied with power. With constant power, the camera will continue to record; the camera will automatically turn off if no power is sensed.

Troubleshoot:

1. Ensure that the USB cable is in the correct port on the camera (right port – POWER/DC-IN – on the top of the camera when facing the viewscreen) and that it is firmly plugged into the vehicle accessory port (“cigarette lighter”). The USB cable will only go in one way.
2. Ensure that the Vehicle Accessory Port (“cigarette lighter”) is operational. This may require other accessories to test the voltage.
3. Check to see if power is being supplied to the cable: supplied Vehicle Power Cable base will glow blue when power is supplied.
4. Check to see if there is a short in the supplied Vehicle Power Cable by gently moving portions of the cable back and forth. If the blue light on the base of the Vehicle Power cable turns on or off with this movement, a replacement cable should be supplied.

Battery/External Power-Related

1. Can I use an External Power Pack to charge my camera's battery or extend its battery life?

Answer: Yes, portable, external power packs may be used to charge the dash camera through the DC IN port at the top of the bracket. If purchasing an external power pack, one should note the following:

1. Power consumption: 400mAh (screen off); 480mAh (screen on)
2. 5V/1A power banks may be used (6000 mAh: ~15 hrs; 10,000 mAh: ~25 hrs; 21,000 mAh: ~52 hrs; assumes screen is off entire time)
3. Warranty will not cover use, misuse or act of negligence if dash camera becomes inoperable with an external power pack.

2. If my camera's battery is not charged or no longer works, will the camera continue to record?

Answer: Yes, this dash camera will operate properly when direct power is connected to the power port on the top of the camera. Battery life and life expectancy is not a concern and the camera will continue recording.

Troubleshoot if Manually Recording/Take Pictures off of direct power:

If attempting to record Manually and the power has died, the battery is not fully charged. The camera will record for up to 10-15 minutes depending on usage, less, specifically, if taking pictures in Photo Mode. The battery should be re-charged by plugging the Vehicle Power Cable into the power port at the top of the camera. A red LED light will glow on the left side of the camera (when facing the viewscreen; top-most LED with the battery icon next to it). The battery is fully charged when the red light is no longer lit.

External Power Packs may be used to extend battery charge through the power port, however these may void the camera warranty. See Question 1 in Battery/External Power-Related section.

3. Can I charge the camera battery (or Record) using a USB connection?

Answer: Yes, you may use the supplied USB cable or another USB-A to mini-B cable to charge the camera battery; this can be done through the Power port at the top of the camera if recording (power On). The larger USB-A connection can be plugged into a PC or Mac that is powered on. Additionally, the USB cable may be plugged into a USB to wall charger/adaptor (similar to those used to charge mobile phones, Smart devices or other lithium-ion, rechargeable devices). If using an wall charger/adaptor, one should note the following:

1. Power consumption: 400mAh (screen off); 480mAh (screen on)
2. 5V/1A chargers/adapters may be used; do not use a charger with less than 1A (1000mAh) or more than 1.5A (1500mAh)

3. Warranty will not cover use, misuse or act of negligence if dash camera becomes inoperable with an USB device wall charger/adapter as mentioned above.

GPS Module

1. How can I tell if my GPS Module is working correctly?

Answer: Check the Green Light Indicator [Satellite icon] LED on the back-left of the camera. A solid green light means that a GPS signal has been established; a blinking green light means that the device is searching for a GPS signal; no green light blinking or off means that there is no GPS signal, the GPS module is not attached or the GPS module is faulty.

Troubleshoot optimal usage:

The GPS Module should be attached to the camera as indicated in the User Manual (page 4) before first use. The data end should be placed in the left data slot on the top of the camera (under the rubber flap) if you are facing the viewscreen. This GPS module tracks movement via satellites; without it, GPS tracking will not record with the video.

Depending on the location, weather or other interfering factors (similar to mobile phones or other Smart devices that utilize GPS signals), the GPS module may take up to several minutes before establishing a solid connection. Most times, however, a solid connection is made within the first minute.

The supplied Dashcam Viewer program tracks the recorded GPS information as video is played. Lack of GPS data will show up as blank spaces in the overall route in the Map Window. Specifics with GPS tracking in the Dashcam Viewer program are noted in the Dashcam Viewer User Manual found by opening the software on PC and then clicking the Help > User Manual tab in the upper-left of the video playback window.

Guide to specific Green Light Indicators:

1. **Solid Green:** Your dash camera should be receiving GPS signals and you should not have to do anything with your dash camera. Receiving a solid green light may take up to several minutes depending on driver location, weather or other interfering factors as noted above in the Troubleshooting section.
2. **Blinking Green for an extended period of time or intermittently while driving:** Your dash camera is searching for a GPS signal. This typically happens upon starting the dash camera but may also happen intermittently while driving as connection may be lost on occasion due to interference. If the dash camera's green light does not appear to hold a solid connection, it may be due to the driver location (remote area), weather or other interfering factors as other electronics devices. Testing different camera locations before using the adhesive or suction cup mount is suggested until a common, quickly established connection (solid green light) is made.

If the light continues to blink even after all of the above steps have been attempted, please contact JJ Keller Customer Support.

3. **No Green Light:** If no green light shows up, the GPS module is 1) not plugged in, 2) is not correctly plugged into the top of the camera or 3) the GPS module is faulty.
 1. Without the GPS module, the dash camera will not track GPS coordinates. Locate

- the GPS module in the box – a rectangular device with “GPS” marked on the side of the unit – packaged with the dash camera. Plug in the data end of the device into the data slot on the top-left of the camera (under the rubber GPS flap) while facing the viewscreen. Check to make sure that the connection is firm. If the light continues to stay dark (no blinking or solid light), the GPS module may be faulty and need replacing.
2. Plug in the data end of the device into the data slot on the top-left of the camera (under the rubber GPS flap) while facing the viewscreen. Check to make sure that the connection is firm, not loose. If the light continues to stay dark (no blinking or solid light), the GPS module may be faulty and need replacing.
 3. If the light stays dark after checking the connection (no blinking or solid light), the GPS module may be faulty and need replacing.

Computer Connection

1. Why isn't my dash camera recognized when I plug it into my PC or Mac via USB?

Answer: Multiple answers. See below for troubleshooting.

Troubleshoot:

1. The USB cable must be plugged into the USB port on the right side of the camera (under the rubber guard), NOT the bracket at the top of the camera. DC IN (POWER) is only used for supplying power. The opposing cable should be plugged firmly into the PC or Mac.
2. Ensure that the supplied USB cable is working correctly. If available, test the dash camera using another USB cable (USB-A to mini-B). If the supplied USB cable does not work, a replacement cable should be offered.
3. Once the USB is correctly plugged into the camera and computer, the Power Button (left side of the camera) should be pressed to turn the camera on. If successful, the screen should boot up with the J.J. Keller screen followed by a blue screen with the text "USB Connecting." If starting up for the first time, it may take a moment for the computer to recognize the dash camera by installing device drivers or copying Dashcam Viewer software to the Micro SD card.

microSD Card

1. How many hours of footage does the Micro SD hold?

Answer: This depends on the size of the Micro SD card and resolution at which the camera is recording. By default, the dash camera equipped with a 32 gigabyte (GB) MLC (Multi Level Cell) Class 10 Micro SD and records at 1280x720 60P (frames per second). See below for record time data.

Troubleshoot: If more hours of record time are required, it is recommended to purchase a larger card. 32, 64 and 128gb cards are accepted; the card should be should be a Class 10, MLC microSD Card. Page 15 of the User Manual (MICRO MEMORY CARD MAINTENANCE) should be observed.

Card Size	Resolution	FPS	Ratio	Total Record Time	5 Minute Record Size	10 Second Record Size
32gb	1280x720	30	16:9	8 hrs	300MB	20MB
32gb	1280x720	60	16:9	5 hrs 30 min	440MB	20MB
32gb	HDR 1920x1080	30	16:9	4 hrs 30 min	540MB	20MB
32gb	1920x1080	30	16:9	4 hrs 30 min	540MB	20MB
32gb	2304x1296	30	16:9	3 hrs 30 min	660MB	40MB
32gb	2560x1080	30	21:9	3 hrs 30 min	660MB	40MB
64gb	1280x720	30	16:9	16 hrs 30 min	300MB	20MB
64gb	1280x720	60	16:9	11 hrs 15 min	440MB	20MB
64gb	HDR 1920x1080	30	16:9	9 hrs 15 min	540MB	20MB
64gb	1920x1080	30	16:9	9 hrs 15 min	540MB	20MB
64gb	2304x1296	30	16:9	7 hrs 30 min	660MB	40MB
64gb	2560x1080	30	21:9	7 hrs 30 min	660MB	40MB
128gb	1280x720	30	16:9	33 hrs 15 min	300MB	20MB
128gb	1280x720	60	16:9	22 hrs 30 min	440MB	20MB
128gb	HDR 1920x1080	30	16:9	18 hrs 15 min	540MB	20MB
128gb	1920x1080	30	16:9	18 hrs 15 min	540MB	20MB
128gb	2304x1296	30	16:9	15 hrs 15 min	660MB	40MB
128gb	2560x1080	30	21:9	15 hrs 15 min	660MB	40MB

! IMPORTANT !

IN ORDER TO FOR THE DASH CAMERA TO OPERATE CORRECTLY, NEW MEMORY CARDS NEED TO BE FORMATTED BEFORE FIRST USE. SEE THE FORMATTING SECTION.

2. Why is my Micro Memory card not being recognized?

Answer: The pre-installed memory card may have been removed, become fragmented (corrupt) with use or a replacement microSD memory card is not compatible with this dash camera. This will be indicated by the Memory Card icon at the top of the screen showing a red X through it and a red, flashing text message in the middle of the viewscreen: “No SD Card Inserted!”

Troubleshoot: Review page 15 of the User Manual:

“Your camera is pre-loaded with a Class 10, MLC Micro Memory Card. The card has been pre-formatted to optimize performance on the dash camera. As large files are constantly being written and over-written, proper maintenance may be required regularly to optimize the Micro Memory Card’s performance. Without doing so, this may lead to fragmentation, slower write speeds, file corruption or card failure. Keep in mind, however, that all cards, over time, will not last forever and may need replacing, particularly if your dash camera fails to record as normal. If the pre-loaded card needs to be replaced, minimally use a Class 10, MLC Micro Memory Card. If the memory card is not compatible with this unit, problems may occur: the memory card will not be recognized, the unit will not record or the unit will show “Low Speed Memory Card.”

If the camera is still under the 1-year Warranty AND the pre-installed 32gb Micro Memory Card is still being used, a replacement memory card should be supplied.

If a replacement card has been purchased from another store, vendor or online merchant, the card should be returned to that supplier. Individual return/warranty times vary based on the supplier or manufacturer. The dash camera 1-year warranty does not cover this memory card.

Formatting

1. How do I format my microSD card?

Answer: Please note that all files, Normal (looping) and Event will be erased in this process and cannot be recovered. Any files that should be saved to a harddrive should be copied first. Formatting the card in the camera is important. DO NOT use a PC/Mac (any computer) to format your card; the microSD will not be correctly optimized for the dash camera.

Troubleshoot:

1. Press the Menu/Back (bottom-left) button on the back of the camera. Doing so will stop the camera recording and show the Menu (P 1/5).
2. Tab to Format (Menu P 5/5) through the Menu with the Up or Down buttons to the right of the viewscreen.
3. Press the OK button (top-left button on the back of the camera) to Confirm your selection.
4. The Format screen will appear with "No" highlighted in blue. Tab the cursor up to the "Yes" with the Up or Down arrows to the right of the viewscreen. Make sure that "Yes" is highlighted in blue.
5. Confirm selection with the OK button.
6. The Menu will appear with "Processing..." on the viewscreen.
7. When done, "Processing" will disappear and the Menu will remain.
8. The camera can either be turned off with the Power button on the left side of the camera (button with open circle with a line through the center) or can escape out of Menu mode, pressing the Menu/Back button, to begin auto-recording.

2. How often should I format my microSD card?

Answer: Regularly format to keep your card optimized based on the following:

1. **Heavy Usage (Recording 24/7):** Once every 3-6 weeks.
2. **Moderate Usage (Recording more than 6 hours a day):** Once every 6-10 weeks.
3. **Light Usage (Recording daily for less than 6 hours):** Once every 10-20 weeks.

NOTE: Any files that one would like to keep should be backed up first by connecting the camera to a computer and copied over. See Question 1 in Formatting section for detailed information to format card.

Recording

1. My dash camera has been recording fine for a long time. Why did it suddenly stop recording?

Answer: Multiple answers. See Pre-Troubleshoot procedure first:

Pre-Troubleshoot: Before reviewing below, one should press the Reset Button [rectangular button with an embossed letter “R”] at the bottom-left of the camera while the Power is On. This will Reset the camera's memory card date/time stamp. The camera should turn Off upon pressing the Reset. Turn the camera back on and see if the issue has been resolved. [This process may resolve an issue specifically with the microSD and usually results in a properly working upon first try, with no additional steps needed. Explanation of the microSD card issue is below.)

If the issue has not been resolved, see below for troubleshooting.

Troubleshoot:

1. **Power-related:** The Vehicle Power Cable may have come loose from either the camera or the vehicle accessory port. Ensure that the Vehicle Power Cable is in the power port (right-most port at the top of the camera when facing the viewscreen) and that it is firmly plugged into the vehicle accessory port (“cigarette lighter”).

For additional details or troubleshooting, see Power-Related section of this guide.

2. **microSD Card-related:** The memory card may not be properly formatted or has become fragmented (corrupt) with use. Formatting the card in the camera is important. DO NOT use a PC/Mac (any computer) to format your card; the microSD will not be correctly optimized for the dash camera.

The microSD card may also become fragmented with normal use. Large files are constantly being recorded and written to the memory card. Over time, this process will cause wear and tear on the card. Just like a computer, and keeping its harddrive clean, defragmentation is important to observe. Formatting the card will help to clean the card and help keep it optimized. Keep in mind, all cards have a limited lifespan. If the card is causing problems with recording regularly, it's recommended to replace the card.

In either case, any files that one would like to keep should be backed up first by connecting the camera to a computer and copied over. See Formatting section for additional details.

3. **Battery-related:** This dash camera will operate properly when direct power is connected to the power port on the top of the camera. Battery life and life expectancy is not a concern and the camera will continue recording.

If attempting to record Manually and the power has died, the battery is not fully charged. The camera will record for up to 10-15 minutes depending on usage, less, specifically, if

taking pictures in Photo Mode. The battery should be re-charged by plugging the Vehicle Power Cable into the power port at the top of the camera. A red LED light will glow on the left side of the camera (when facing the viewscreen; top-most LED with the battery icon next to it). The battery is fully charged when the red light is no longer lit.

Portable, external power packs may be used to charge the dash camera through the power port at the top of the camera to record or take photos; alternatively, the battery can be charged through the USB port at the top of the camera (the same used for power with the Vehicle Power Cable). However, use of external power packs may void the camera warranty.

For additional details or troubleshooting, see Battery/ExternalPower (portable power) section of this guide.

2. Can the dash camera be removed from the vehicle and record manually or to take photos?

Answer: Yes. The camera can be removed by unplugging the Vehicle Power Cable and sliding the camera off of the windshield plate or suction cup mount. Without a direct power source, the camera will, by default, turn off after a few seconds. The camera can be turned on at any moment. Once turned on, facing the viewscreen, Manual Recording can be done by pressing the OK (upper-left) button. The camera will record for up to 10-15 minutes depending on usage or less if taking pictures in Photo Mode.

See the Battery-External Power-Related section (Question 2) for details regarding battery life.

3. When I went to review my video footage, why were there sections of missing record time?

Answer: Multiple answers. See Pre-Troubleshoot procedure first:

Pre-Troubleshoot: Before reviewing below, one should press the Reset Button [rectangular button with an embossed letter “R”] at the bottom-left of the camera while the Power is On. This will Reset the camera's memory card date/time stamp. The camera should turn Off upon pressing the Reset. Turn the camera back on and see if the issue has been resolved. [This process may resolve an issue specifically with the microSD and usually results in a properly working upon first try, with no additional steps needed. Explanation of the microSD card issue is below.)

If the issue has not been resolved, see below for troubleshooting.

Troubleshoot:

1. Power-related: The Vehicle Power Cable may have come loose from either the camera or the vehicle accessory port. Ensure that the Vehicle Power Cable is in the power port (right-most port at the top of the camera when facing the viewscreen) and that it is firmly plugged into the vehicle accessory port (“cigarette lighter”).

For additional details or troubleshooting, see Power-Related section of this guide.

- 2. microSD Card-related:** The memory card may not be properly formatted or has become fragmented (corrupt) with use. Formatting the card in the camera is important. DO NOT use a PC/Mac (any computer) to format your card; the microSD will not be correctly optimized for the dash camera.

The microSD card may also become fragmented with normal use. Large files are constantly being recorded and written to the memory card. Over time, this process will cause wear and tear on the card. Just like a computer, and keeping its harddrive clean, defragmentation is important to observe. Reformatting the card will help to clean the card. Keep in mind, all cards have a limited lifespan. If the card is causing problems with recording regularly, it's recommended to replace the card.

For additional details or troubleshooting, see Formatting (to format) or microSD Card (to select a new microSD card) sections.

- 3. Motion Detection Mode:** Check to see if Motion Detection Mode is on. When set to On, the camera will automatically record only when it senses movement; this is specifically used for parking only and the camera may not need to record the entire time. If driving in Motion Detection Mode, the camera may not record full segments of video (designated by the Loop Setting in Video Settings Mode). Motion Detection will record a minimum of 10 seconds. Vehicle movement will not trigger the motion recording; this would only happen if the camera senses another vehicle or something passes in front of the vehicle. In this case, the camera will stop recording seconds after the motion has been sensed.

If Motion Detection is set to Off, the camera will record regardless of movement. This is the mode that is set by default and will need to be in place for regular recording specified by the Loop Setting in the Menu.

To check if Motion Detection Mode is on:

1. Press the Menu/Back (bottom-left) button on the back of the camera. Doing so will stop the camera recording and show the Menu (P 1/5).
2. Press the Up or Down arrows located to the right of the viewscreen to tab to Menu (P 4/5) until "Motion Detection" is highlighted.
3. Press the OK button (top-left button on the back of the camera) to Confirm your selection.
4. By default, the Motion Detection will be set to Off. If it is set to On and you do not need Motion Detection Mode on for parking, it is recommended to turn it "Off" by pressing the Up or Down arrows located to the right of the viewscreen.
5. Press the OK button (top-left button on the back of the camera) to Confirm your selection.
6. The camera can either be turned off with the Power button on the left side of the camera (button with open circle with a line through the center) or can escape out of Menu mode, pressing the Menu/Back button, to begin auto-recording using the updated Motion Detection settings (Off).

Event Footage

1. How is an Event determined?

Answer: This is determined by the G-Sensor. The G-Sensor notes any changes in X (side-to-side), Y (back-and-forth) or Z (up-and-down) directional forces. The dash camera has four settings to change the sensitivity of the G-Sensor. If set to High, the least sensitivity will record video to EVENT; if set to Low, more force will be needed to record video to EVENT. Choosing Off will not record any information to the EVENT folder; all video will be overwritten in Looped recording.

2. How much time is saved in the course of an Event and will my camera continue to record afterward?

Answer: The dash camera will record 10 seconds before and 20 seconds after an Event (determined by G-Sensor data). This Event video will be saved in the camera's EVENT folder and will be protected from looped recording. This is uninterrupted from the normal looped footage and, after the Event is saved, will go uninterrupted back into looped (NORMAL) recording mode.

3. How many Events can be recorded to the EVENT folder?

Answer: The maximum Events to be recorded is 50. The more Events that are sensed by the G-Sensor, the more files that are placed in the EVENT folder. This means that more and more memory will be allocated to the EVENT folder over the NORMAL folder. Less space in the NORMAL folder means that less time will be available for Looped recording.

To review and clean out the EVENT folder, see page 10 of the User Manual, "ACCESSING FILES VIA DASH CAMERA AND PC" or "ACCESSING FILES VIA MICRO MEMORY CARD READER AND PC." Select the EVENT folder. If specific videos are no longer needed, select the file then press Delete. If a dialog box appears asking to confirm your deletion, click "OK" or press Enter.

4. I have [too many/too few] Events located in the EVENT folder. How do I change the G-Sensor settings?

Troubleshoot:

1. Press the Menu/Back (bottom-left) button on the back of the camera. Doing so will stop the camera recording and show the Menu (P 1/5).
2. Press the Up or Down arrows located to the right of the viewscreen to tab to Menu (P 4/5) until "Collision Detection" is highlighted.
3. Press the OK button (top-left button on the back of the camera) to Confirm your selection.
4. By default, the G-Sensor will be set to High. Use the Guide below to figure out what setting works best:
 1. **Too many Events:** Press the Up or Down arrows located to the right of the viewscreen to change your G-Sensor setting to MEDIUM or LOW.

2. Too few Events (If your settings have been changed from the default High setting): Press the Up or Down arrows located to the right of the viewscreen to change your G-Sensor setting to MEDIUM or HIGH.

NOTE: There is no setting above HIGH.

5. Press the OK button (top-left button on the back of the camera) to Confirm your selection.
NOTE: You may have to test your G-Sensor setting to get the right sensitivity. This can be done by ensuring a power source is connected, manually recording and waving the camera around. Noting [EMERGENCY] text on the viewscreen means that an Event was captured and saved to the EVENT folder. Reviewing the number of EVENTS, you can determine if the G-Sensor should be adjusted up or down for more or less sensitivity. One should never test the G-Sensor using a vehicle; testing should be done in a safe environment. If an actual EVENT has occurred while in-vehicle, examining the video may help determine sensitivity.
6. The camera can either be turned off with the Power button on the left side of the camera (button with open circle with a line through the center) or can escape out of Menu mode, pressing the Menu/Back button, to begin auto-recording using the new G-Sensor settings.

5. Can I trigger an Event manually?

Answer: Yes, you can trigger an Event any time the camera is recording by pressing the OK (upper-left) button on the back of the camera. If the screen is currently off due to the Backlight settings, you may have to wake the screen first. In this instance, press the OK button once to wake the screen and again to trigger the Event.

NOTE: In the instance that something has occurred and you want to capture it as an Event, you will only have 10 seconds to manually trigger the Event with the Menu button. Events only save back as far as 10 seconds. If the OK button is pressed too late, you may not capture the Event (in the EVENT folder) and, depending on use of the camera and size of memory card, it may be Looped over.

Advanced Driver Assistance System (ADAS), SpeedWarning and Backlight

1. Why does the screen keep turning on with still images while driving? (ADAS)

Answer: This dash camera is equipped with a series of Alerts to remind the driver of specific events. If one of these criteria are triggered, an alert will flash on the screen and will be accompanied by a beep. This on-screen image doesn't affect recording – the dash camera will continue to record in the background. ASAS does not necessarily indicate an Event.

- 1. Lane-Departure-Warning-System (LDWS):** If lane-changing or swerving occurs, a [swerving car icon] warning will appear to notify the driver. This is tied into the GPS module and cable that fits into the top of the camera, as well as satellite map information. On occasion, this warning may be set off by GPS signal inaccuracy or incomplete/inaccurate road data supplied by the GPS satellites.
- 2. Low-Light-Warning-System:** The camera will remind you to turn on headlights in low-light conditions with a [headlights and exclamation mark in triangle icon].
- 3. Driver-Fatigue-Warning-System:** The dash camera will send a [napping driver] warning picture and tone when continuous driving (more than 4 hours) is detected. This will follow every two hours until the camera stops recording or is turned off.

2. How do I turn the ADAS settings Off?

Answer: Some drivers find the ADAS settings distracting, particularly while driving long distances at night. By default, this setting is turned Off. If you find that this setting has been turned On, you may want to adjust the Backlight (LCD) Settings (found in Question 3 of the Advanced Driver Assistance (ADAS) and Backlight section). You cannot turn on or off individual alerts; these are all On or Off.

Troubleshoot:

1. Press the Menu/Back (bottom-left) button on the back of the camera. Doing so will stop the camera recording and show the Menu (P 1/5).
2. Press the Up or Down arrows located to the right of the viewscreen to tab to Menu (P 2/5) until "ADAS Detect" is highlighted.
3. Press the OK button (top-left button on the back of the camera) to Confirm your selection.
4. Press the Up or Down arrows located to the right of the viewscreen to tab the selection to Off.
5. Press the OK button (top-left button on the back of the camera) to Confirm your selection.
6. The camera can either be turned off with the Power button on the left side of the camera (button with open circle with a line through the center) or can escape out of Menu mode, pressing the Menu/Back button, to begin auto-recording using the new ADAS settings turned Off.

NOTE: Screen alerts and beeps will not occur, however if an EVENT is triggered due to the

G-Sensor settings, the screen will light up with an [EMERGENCY] text to notify the driver.

3. How do I set a SpeedWarning alert?

Answer: This camera comes with a setting to alert the driver that a specific speed has been achieved. By default, this setting is set to Off. When set to On (GPS Module is required), the pre-determined miles per hour (or kilometers per hour) will display on-screen when achieved and a continuous beeping noise will emit from the camera until the speed has been reduced under the set speed limit. Selectable speeds are 50M/H (80KM/H) or 75M/H (120KM/H).

Troubleshoot:

1. Press the Menu/Back (bottom-left) button on the back of the camera. Doing so will stop the camera recording and show the Menu (P 1/5).
2. Press the Up or Down arrows located to the right of the viewscreen to tab to Menu (P 3/5) until "SpeedWarning" is highlighted.
3. Press the OK button (top-left button on the back of the camera) to Confirm your selection.
4. Press the Up or Down arrows located to the right of the viewscreen to tab the selection to the desired maximum speed.
5. Press the OK button (top-left button on the back of the camera) to Confirm your selection.
6. The camera can either be turned off with the Power button on the left side of the camera (button with open circle with a line through the center) or can escape out of Menu mode, pressing the Menu/Back button, to begin auto-recording using the new SpeedWarning settings turned On.

4. How do I adjust the viewscreen Backlight (LCD) settings? The screen stays on [too long/too short].

Answer: Some drivers find the Backlight settings distracting, particularly while driving long distances at night. Due to the nature of the dash camera in relation to possible Events, there is no full way to turn the screen off while driving. If needed, however, you may reduce the amount of time the screen backlight is on by going into the settings. By default, the screen is set to turn off after 30 seconds. The backlight setting doesn't affect recording – the dash camera will continue to record in the background with the screen off. You can quickly check to see if the camera is recording by locating the middle, blue LED light on the back-left of the camera. If this blue LED is blinking on and off, the camera is recording regularly.

Troubleshoot:

1. Press the Menu/Back (bottom-left) button on the back of the camera. Doing so will stop the camera recording and show the Menu (P 1/5).
2. Press the Up or Down arrows located to the right of the viewscreen to tab to Menu (P 2/5) until "LCD Setting" is highlighted.
3. Press the OK button (top-left button on the back of the camera) to Confirm your selection.
4. By default, the backlight is set for 30 seconds and will turn off. Use the Guide below to figure out what setting works best:
 1. **Backlight stays on too long:** Press the Up or Down arrows located to the right of the viewscreen to change the LCD Setting to "Off" to turn the screen off after a few seconds

or keep at “Turn Off After 30 Sec.”

- 2. Backlight doesn't stay on long enough:** Press the Up or Down arrows located to the right of the viewscreen to change your LCD Setting to “Turn Off After 3 min.” Setting the LCD to “On” will keep the screen on indefinitely while recording.

NOTE: There is no way to turn the screen completely off. The minimum screen time is a few seconds with the “Off” option. This is available in case certain manual operations are needed to be made by the driver.

- 5.** Press the OK button (top-left button on the back of the camera) to Confirm your selection.
NOTE: One should never test the Backlight (LCD) Setting while driving; testing should be done in a safe environment.
- 6.** The camera can either be turned off with the Power button on the left side of the camera (button with open circle with a line through the center) or can escape out of Menu mode, pressing the Menu/Back button, to begin auto-recording using the new Backlight (LCD) Settings.

LED Lights

1. What do the three LED lights on the back of the camera mean?

Answer:

1. **Red Light Indicator [Rectangle with Lightning Bolt icon] (Top):** On = Charging Battery; Off = Not Charging Battery.

This light will go on and off regularly during travel as power is required by the battery. Once the battery has been fully charged, it this light will turn off.

If a Vehicle Power Cable or USB is connected to supply power and the red LED light does not turn on after a long period of time while recording, the battery may not be charging correctly. The camera will operate as normal if power is being supplied by a Vehicle Power Cable or USB, regardless of the battery. If the battery no longer charges correctly, the camera may not record long (or at all) if it is taken off the vehicle windshield for manual recording.

See Power-Related or Battery/External Power-Related sections for additional information.

2. **Blue Light Indicator [Camera icon] (Middle):** Blinking = Recording Video; Not Blinking = Not Recording Video. This light will blink regularly when recording video.

If recording is expected and the the blue LED light is not blinking, a larger issue with recording may be possible. See the Recording section for details.

3. **Green Light Indicator [Satellite icon] (GPS Module required) (Bottom):** On = GPS Signal; Blinking = Locating Signal; Off = No GPS Signal.

The GPS Module should be attached as indicated in the User Manual (page 4) before first use. This module tracks movement via satellites.

Depending on the location, weather or other interfering factors (similar to mobile phones or other Smart devices that utilize GPS signals), the GPS module may take up to several minutes before establishing a solid connection.

The supplied Dashcam Viewer program tracks the recorded GPS information as video is played. Lack of GPS data will show up as blank spaces in the overall route in the Map Window. Specifics with GPS tracking in the Dashcam Viewer program are noted in the Dashcam Viewer User Manual found by opening the software on PC and then clicking the Help > User Manual tab in the upper-left of the video playback window.

For additional details or troubleshooting, see the GPS Module section of this guide.

Optimal Usage Notes **(Temperature and Power Consumption)**

1. What are the optimal temperatures to store or operate the dash camera?

Answer:

1. **Storage test:** Low temperature -4° F (-20° C);
High temperature 149° F (65° C)
2. **Operation Test:** Low temperature 5° F (-15° C);
High temperature 140° F (60° C)

2. What is the dash camera's power consumption?

Answer: 400mAh(screen off), 480mAh (screen on)

3. What is the dash camera's max battery charge (mAh)?

Answer: 450mAh