DONGAR

Kinetic Module · Quick Guide

PATENT PENDING

NOV 2026 GUIDE
KINETIC MODULE V1

INTRO

By drawing power from your map light, a connection found in almost every vehicle, the Kinetic Module brings broad compatibility that wasn't previously possible in the market. The catch is that a map light has power all the time, so the module can't just follow the ignition. That's why it's so sophisticated: three sensors work together to tell when the engine is running and the car is moving, power your dash cam only while you drive, and switch it off when you park.

WHAT IT'S SENSING

Crank detector

Wakes the module from sleep when the **starter turns the engine over**. While asleep, nothing else wakes it.

Voltage sensor

Looks for the **charging voltage rise** (≥ 0.1 V) a running engine makes, and the **drop** (> 0.2 V) when it stops.

Motion sensor

Highly sensitive: looks for **5 s of movement** from people inside or the car moving. Smooth idle alone usually reads "still".

To power your camera it needs **both**: the engine's voltage rise **and** 5 s of motion. That's why a door slam, loading cargo or someone sitting in the car might not switch it on.

WHAT THE LIGHT MEANS

LIGHT	WHAT'S HAPPENING	CAMERA
Off	**Asleep.** Car is parked. Uses almost no power. Starting the engine wakes it.	OFF
Yellow	**Checking.** Just woke up; waiting for engine voltage + motion. Drive off and it turns red in about 5 s.	OFF
Red	**On.** Engine running and car moving. Your camera is powered.	ON
Teal	**Stopped.** No motion for over 1 min (traffic, drive-thru, parked). Still powered; turns red when you move.	ON
Blue, blinking	**Shutting down.** Power to the camera is cut; the module goes to sleep about 6 s later.	OFF
Magenta	**Protecting your battery.** Car battery below about 11.7 V, or a USB power fault. Switches off after 5 s.	OFF

TIMERS AT A GLANCE

5 s	1 min	1 min	3 min	10 min
of motion to switch the camera on	after starting to sense motion	without motion → teal	after engine stops → off	no motion, engine on → off

JUST INSTALLED? RESET IT FIRST.

Its timers start the moment it gets power, so they're already running during the install. When you're done: **get out, close the doors and lock the car → wait for the light to go out (1–3 min) → unlock, get in and start the engine.** From then on it follows the flow on the back:

1. **Start the engine.** Light turns **yellow**; camera stays off for now.
2. **Drive off.** After ~5 s it turns **red** and the camera powers up.
3. **Park, switch off.** **Teal** after 1 min; **blue** blink ~3 min after engine stops.

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How a drive flows

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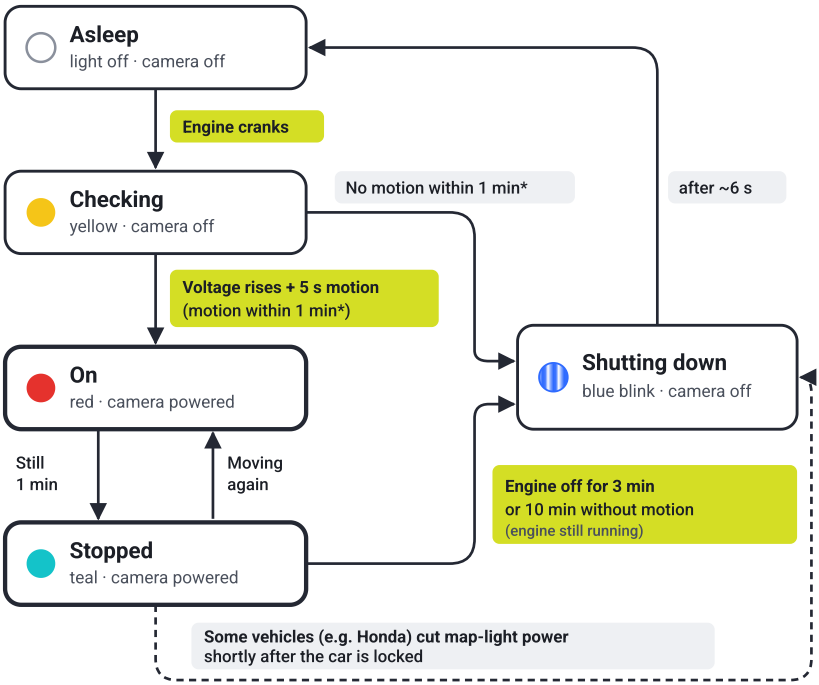

* "Motion" is meant to be highly sensitive: soft movement from people in the vehicle counts, as does the vehicle moving.

GOOD TO KNOW

- **It needs some motion within about a minute of starting.** The sensor is highly sensitive, so gentle movement from people in the car counts, as does the car moving. If everything stays completely still, the module shuts down and goes back to sleep. Turn the engine off and on again to wake it.
- **Idle-stop engines are covered.** At a red light or in traffic the camera stays on for up to 3 minutes after the engine auto-stops.
- **Always-on sockets are fine.** The module switches itself off when you park, so the camera won't drain your battery.
- **Teal is normal.** It just means the car has been still for a minute. Your camera keeps recording.
- **Smooth idle reads as "still".** At start-up the light stays yellow until you pull away. That's expected.
- **Light goes dark soon after you lock the car?** Some vehicles, such as many Hondas, cut power to the map light shortly after locking. The module simply switches off sooner. That's normal.
- **Electric vehicles:** the module looks for the 12 V voltage rise a running engine makes. Some EVs don't produce one, so the module may not switch on.

Questions or not working as expected?

Scan for install help, FAQs and to reach our support team, or visit **dongar.tech/pages/help**

Tell us your vehicle and what the light was doing. It helps us sort it out fast.

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