

AP1 Firmware 1.3.0

Release Notes

These Release Notes contain supplemental information about firmware 1.3.0 for the AP1 AI dashcam product.

Change	What Is It?	Customer Benefits	Enablement Instructions
Sleep mode New Feature	A new, optional power mode allows AP1 to start up much faster upon vehicle ignition	Video coverage and initial location fix better reflect the true start of a vehicle trip	Configuration required. Set Device > Sleep > Sleep Mode to “On.” It is recommended to set G-Sensor Wakeup to “On” for fastest response. Sensitivity for this feature is adjusted in G-Sensor Ignition > Sensitivity .
Wakeup interval New Feature	Similar to vehicle tracking devices, AP1 can automatically turn itself on at programmed intervals to report its location and respond to commands	More consistent and frequent reports on vehicle location when inactive, plus faster execution of commands queued from SmartAPI	Configuration required. Sleep mode must also be enabled. Set Device > Sleep > Sleep Mode > Wake Up Duration to “On.” Set Interval to the desired period between wakeups. Set Duration for how long AP1 will run for each wakeup.
Revised ignition detect in failover Improvement	When OBDII or J1939 connection fails, ignition detection will happen faster	More accurate trip start and stop data	No action needed
Expanded G-sensor calibration modes Improvement	AP1 joins other devices in supporting remote G-sensor calibration upon vehicle halting motion and upon next reboot	Parity with other INSIGHTS video telematics products, such as KP2	No action needed
Configuration tool improvements Improvement	Nomenclature for features and controls is more human-friendly and consistent with other INSIGHTS tools	Greater ease of use	No action needed



Coordinating Releases

AP1 Configuration Tool 1.3.0, required for producing configuration files for AP1 firmware 1.3.0.

Troubleshooting and Getting Help

- Email: support@smartwitness.com
- Phone (North/South America, APAC): +1 (312) 981-8774
- Phone (Europe): +44 (0) 1483 397005

Frequently Asked Questions

1. Are there any prerequisites for this update?

AP1 firmware 1.3.0 may be installed on any AP1 device in the field. We recommend adopting this update. Ensure drivers with devices currently on the road are notified before any 1.3.0 firmware update initiation.

2. What are the benefits of AP1 sleep mode? What changes in behavior should I expect?

The brief explanation of AP1 sleep mode benefits focuses on startup behavior: With sleep mode enabled, video recording starts approximately 20 seconds after ignition detection versus approximately 50 seconds with sleep mode disabled. This is accomplished by keeping the AP1's main processor in a very low power state while retaining the ability to start it quickly. In addition, the G-sensor's use as a wakeup method from sleep mode helps AP1 start faster by detecting vehicle motion from drivers opening and closing doors.

3. How does the wakeup interval feature work?

Enabling wakeup interval causes AP1 to turn on from its lowest-power sleep mode to report its location and respond to commands from SmartAPI (e.g., firmware update, settings change). While in this wakeup state, no video is recorded and no driving events are captured; however, AP1 will respond to commands for a snapshot (to see what the cameras see at that moment).

Choosing time parameters for the wakeup interval depends on the granularity of data desired. See this example to understand how the parameters affect behavior:

Settings: Interval is set to four hours; duration is set to 10 minutes

Outcome: Once the vehicle is turned off and the power-off delay elapses, AP1 enters sleep mode and starts a timer. When four hours have elapsed, it wakes up for 10 minutes. After 10 minutes, it resumes sleep mode for another four hours, and the cycle repeats until woken from sleep by G-sensor or other ignition detection methods.

Please note that the wakeup interval requires sleep mode to be turned on.

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