

Upgraded Guardian Systems for Improved Driver Safety!

Our fleet's Guardian systems are getting an upgrade to better monitor driver alertness. The new feature detects early signs of drowsiness, alerting drivers before they reach a dangerous micro-sleep state.

A new light bar will be added to the top of the Guardian units. It will glow orange when a driver shows early signs of fatigue, allowing them to take action and stay safe.

If fatigue does occur, Guardian will still step in with sound, visual, and vibration alerts. But the goal is to catch the warning signs early and help you avoid reaching that dangerous level of tiredness.



FAQs

Q: How does Guardian with drowsiness detection work?

Guardian continuously monitors and evaluates your drowsiness level and steps in if you start showing signs of fatigue. This happens before you get too tired and potentially fall into a microsleep.

Q: How is a driver's drowsiness level measured?

Guardian tracks your eyes, mouth, and head movements using artificial intelligence. It determines your drowsiness level based on the Karolinska Sleepiness Scale (KSS), which is a quick measure of how sleepy you are.

Q: Why is it important to have this early drowsiness detection feature?

While Guardian has been great at waking drivers up if they fall asleep, this new feature takes it a step further by alerting you before you get dangerously tired. It's like a fuel light for your fatigue level—when it turns orange, it's time to stop and rest.

Q: Can the lightbar see the driver?

No, the lightbar is not a camera.

Q: Is the lightbar distracting?

Not at all. The light emits a gentle pulsing glow, not a bright, rapid flash.

Q: Will the lightbar damage a driver's eyes?

No, the lightbar uses frosted clear plastic to diffuse the light from the low-powered LEDs on top of the Guardian Gen 2 in-cab sensor. This makes it visible to you without being harsh on your eyes.

Q: What should I do if the orange light pulses?

If the orange light comes on, it means you're getting drowsy. Refer to your company policy on taking breaks. If you're not sure, ask your manager.

Q: Is an alert sent to my manager if drowsiness is detected?

No, an alert isn't sent directly to your manager, but it will show up as an event in the Guardian Live portal, which managers can check.

Q: What kind of alerts will I receive if I become too fatigued while driving?

If you reach a critical level of tiredness, Guardian will intervene with audio, visual, and haptic alerts to wake you up and prompt immediate action.

Q: How does the Guardian Live web portal work?

The data collected by Guardian Gen 2 is sent to the secure Guardian Live web portal. This ensures fleet operators always have a comprehensive and continuous view of their drivers' fatigue state, allowing them to manage safety more effectively.

Q: Is drowsiness an event that's tracked?

Yes, initially, drowsy events will be shown in the trip timeline in the Guardian Live portal. Future releases will enhance this to give managers a better view of your state and risk levels.

Q: Do fleet operators have a real-time view of drowsiness levels?

Yes, if you're determined to be drowsy, a notification will appear in the trip timeline as soon as the event is received. No alerts are sent directly to customers.

Like anything new, it takes time to adjust. This feature is designed to keep you safe at work so you can get home safely to your loved ones.

Got a question?

Speak to your manager for more information.