Innovative Monitoring Technology for Safer Communities

Ignition Interlock Devices, Intelligent Speed Assistance, and Portable Alcohol Monitoring

Objective

To educate probation and parole professionals on how advanced monitoring technologies serve as effective tools in supporting court-ordered compliance, promoting rehabilitation, and improving community safety through reduced recidivism and safer driving behaviors.

Hosted by LifeSafer

Who we are

LifeSafer is an industry and technology leader with 35 years of experience advancing alcohol and driver safety solutions. We innovate monitoring tools like Ignition Interlock Devices, Portable Alcohol Monitoring, and Intelligent Speed Assistance to set the standard for compliance and accountability. As a trusted partner to probation officers, courts, and community programs nationwide, we are committed to reducing recidivism and keeping communities safe through smarter, more reliable technology.

What we do

- **Ignition Interlock Devices (IID):** proven technology to prevent impaired driving
- **Portable Alcohol Monitoring (PAM):** handheld, remote alcohol monitoring device with real-time testing and photo verification
- **Intelligent Speed Assistance (ISA):** aftermarket vehicle safety device that reduces speeding
- **Integrated Technology Solutions:** tools that support probation officers with compliance monitoring, data reporting, and client accountability
- **Nationwide Service & Support:** extensive service center network and dedicated partner resources

Technology as an Alternative

Alternative to fines, incarceration, license revocation

- Monitoring solutions provide a proactive alternative to traditional punitive measures
- Technology helps ensure compliance while allowing individuals to maintain their daily responsibilities

Focus on behavior modification, accountability, and rehabilitation

- Promote personal responsibility through continuous monitoring and real-time reporting
- By tracking behavior and providing actionable data, probation officers and courts can guide clients toward rehabilitation rather than simple punishment

Advancing public safety through innovation

- By integrating technology into supervision, we create smarter, safer communities for everyone

Ignition Interlock Devices (IIDs)

In-vehicle breathalyzer

- Installed in the driver's vehicle to test breath alcohol levels before the engine starts
- Prevents driving if alcohol is detected above the threshold

Court-ordered or DMV-required tool

- Commonly mandated as a condition for license reinstatement or probation
- Provides an alternative to license suspension, enabling monitored, responsible driving

Proven effectiveness in reducing repeat offenses

- Backed by decades of research as one of the most effective tools to reduce drunk driving recidivism
- Promotes accountability and helps reinforce long-term safe driving behavior

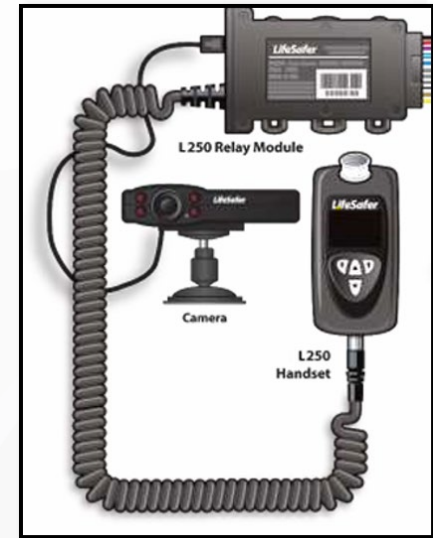# How Ignition Interlock Devices Work

Clean Breath Sample

- Before the vehicle can start, the driver uses a specific, pre taught, technique to blow into the device
- A lung sample of 1.5 liters is taken and analyzed
- If alcohol is detected above the preset limit, the engine will not start
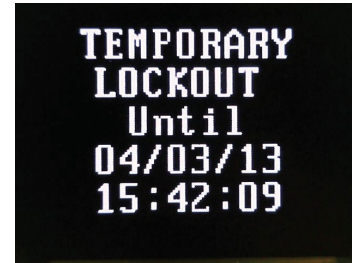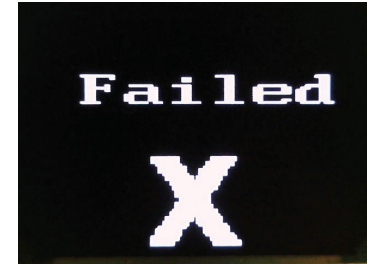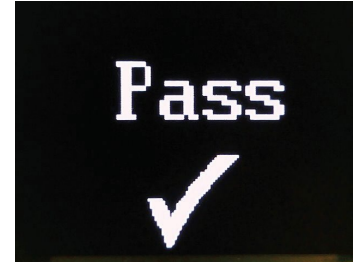- The specific technique helps prevent circumvention
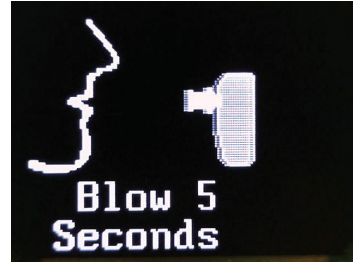
Rolling Retests Required

- Random breath tests are required while driving to ensure continued sobriety
- Helps prevent attempts to bypass or misuse the system

Data Reporting

- Test results and events are recorded
- Reports are shared with supervising authorities for compliance monitoring and accountability

Examples of IID Screen Messages

Impact of Ignition Interlock Devices

Safer roads, Safer Communities

- Prevents impaired driving by requiring a clean breath sample before starting a vehicle

Encourages Long-Term Behavior Change

- Repeated testing builds accountability and helps drivers form safer habits over time

Provides Real-Time Compliance Data

- Courts, probation, and parole officers, and DMVs receive accurate, timely reports for monitoring

Proven Effectiveness

- 70% drop in repeat DUI offenses while devices are installed (CDC)

- 67% reduction in recidivism rates among participants (Community Guide)

- 15% decrease in alcohol-related fatal crashes in states with universal IID mandates (PubMed)

Portable Alcohol Monitor (PAM)

Handheld Device for Remote Alcohol Testing

- Easy-to-use, compact device allows quick, accurate breath alcohol testing anytime, anywhere.

- Provides real-time results with secure data transmission to monitoring authorities.

Designed for Flexibility Outside of Vehicle-Based Monitoring

- Ideal for clients who do not have a vehicle for ignition interlock installation.

- Enables monitoring in home, workplace, or community settings, offering more freedom while maintaining accountability.

Used for Probation, Pre-Trial, and Treatment Programs

- Trusted tool for supervising agencies to ensure compliance and sobriety.

- Condition of Bond
- Supports treatment goals by encouraging responsible behavior and reducing recidivism.

- Customizable reporting and alerts tailored to program requirements.

How PAM Works

Scheduled or Random Breath Tests

- Participants complete tests at set intervals or random times determined by program requirements.

- Promotes consistent accountability and deters attempts to avoid testing.

Photo/Video Verification for Identity Confirmation

- Each test captures photo or video evidence to confirm the correct individual is providing the sample.

- Ensures test integrity and prevents tampering or substitution.

Secure Data Transmission to Supervising Authority

- Results are automatically transmitted in real time.

- Enables immediate review, alerts, and compliance tracking by probation officers or program administrators.

Impact of PAM

24/7 Accountability Outside of Vehicle Settings

- Extends monitoring beyond driving situations, providing continuous oversight in all environment
- Real time GPS tracking & reporting
- Promotes responsible decision-making by maintaining awareness of testing at any time
- Gives supervising agencies confidence in participant compliance and program integrity

Encourages Compliance with Treatment or Probation Terms

- Reinforces positive behavior and commitment to sobriety
- Builds structure and consistency to support recovery or rehabilitation goals
- Reduces the risk of relapse or violations through ongoing monitoring and feedback

Speeding remains a problem for all types of drivers

- In the United States, **speeding causes almost one-third** of all traffic deaths

- From 2014 to 2023 speeding-related fatalities increased by **27%***

- **More than 70%** of people who lose their licenses continue to drive**

Table 1. People Killed and Injured in Traffic Crashes, by Speeding Involvement, 2014–2023						
Year	Speeding Involvement				Total	
	Speeding-Related		Not Speeding-Related			
	Number	Percent	Number	Percent	Number	Percent
Killed						
2014	9,283	28%	23,461	72%	32,744	100%
2015	9,723	27%	25,761	73%	35,484	100%
2016	10,291	27%	27,515	73%	37,806	100%
2017	9,947	27%	27,526	73%	37,473	100%
2018	9,579	26%	27,256	74%	36,835	100%
2019	9,592	26%	26,763	74%	36,355	100%
2020	11,428	29%	27,579	71%	39,007	100%
2021	12,498	29%	30,732	71%	43,230	100%
2022	12,157	28%	30,564	72%	42,721	100%
2023	11,775	29%	29,126	71%	40,901	100%

*National Highway Traffic Safety Administration Safety Fact Report 2023
**National Highway Research Program Report

LifeSafer Intelligent Speed Assistance (ISA)

Active ISA is designed to prevent speeding, reduce traffic fatalities, and increase road safety through real-time speed limiting

- Aftermarket vehicle safety device
- Helps prevent speed-related crashes, violations
- Promotes consistent, responsible driving behavior
- Teaches safer speed habits

Active ISA utilizes real-time data to automatically limit a vehicle's speed to the posted speed limit

- Uses GPS maps and speed data
- Does NOT apply the brakes or shut off the engine
- Visual cues notify the driver of upcoming speed limit changes

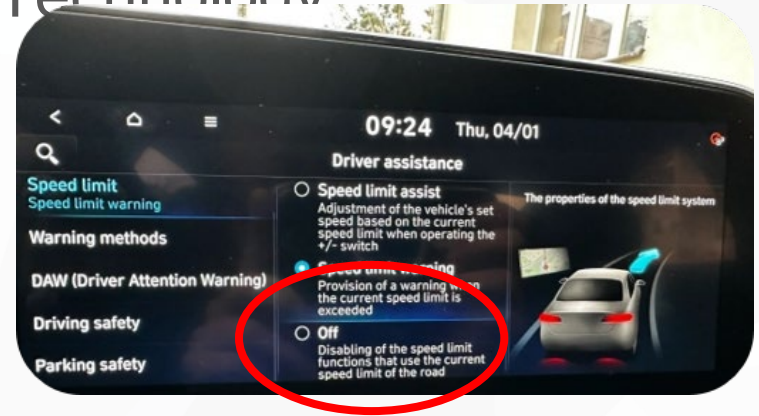Supports Compliance with Court or Probation Requirements

- Reinforces adherence to speed-related restrictions as part of court-ordered conditions of probation
- Offers transparent reporting and simple monitoring to supervising agencies, reinforcing accountability and road safety
- Serves as an additional tool courts can use as an alternative to fines and license revocation

Passive Systems versus Active ISA Technology

Passive Systems

- Can be turned off
- Alerts get ignored and awareness drops after repetitiveness
- Do not prevent speeding

Active Intelligent Speed Assistance

- Automatically limits a vehicle's maximum speed to the current speed limit
- Simple to install, use, and remove; non-intrusive and non-distractive
- Effective at reducing speeds
- Compatible with nearly every vehicle on the road, including hybrids and EVs
- Teaches proper speed habits and helps establish long-term safe driving

How ISA Technology Works

Court or Probation Program Alternative to License Revocation

- ISA technology offers courts and probation departments an effective, less punitive alternative to license suspension or revocation

- Participants remain mobile for work and family while demonstrating compliance with speed-related conditions

- Reporting and transparency help supervising agencies track adherence and encourage long-term behavioral change

- Great alternative for habitual speeders, reckless driving, and street racing offenders

When we address speeding, we reduce multiple downstream safety problems

- Lower speeds lead to lower crash frequency and reduced severity of impacts
- Pedestrians, cyclists, and motorcyclists are dramatically safer at lower impact speeds
- By enforcing speed compliance, we teach proper driving habits that will have an amplifying impact
- Not every driver needs an ISA device - just some

Active ISA devices can have immediate impact on public safety

Why These Technologies Matter

- IID
  - Ignition interlocks substantially reduce repeat DUI offenses by 50% to 90% while installed.
  - In Illinois, the interlock program showed an 85% reduction in repeat offense rates.
  - The objective data generated (start attempts, failed tests, rolling retests) offers prosecutors, probation officers, and treatment providers insight into risk trends, helping tailor interventions.
- PAM
  - PAM enables high-frequency alcohol testing (up to 24 tests per day) in a mobile, self-administered format, making supervision continuous and pervasive.
  - Testing is portable and remote rather than tethered to a vehicle, participants are monitored in all environments, which strengthens deterrence and reduces opportunities for unmonitored drinking.
  - GPS tracking and a wide-angle camera ensure verified identity and location, reducing attempts at evasion or tampering and improving integrity of the data used by supervising authorities
- ISA
  - By reducing speeding behavior, ISA acts as a tool for public safety objectives
  - In large-scale city pilot programs, ISA has achieved a 60% reduction in speeding

Empowering Accountability, Rehabilitation, and Community Safety

Technology That Makes a Difference

- **Portable Alcohol Monitor (PAM):** Enables 24/7 alcohol monitoring, keeping participants accountable and supporting treatment compliance.

- **Ignition Interlock Device (IID):** Prevents impaired driving, reducing repeat offenses by up to 90% while in use.

- **Intelligent Speed Assistance (ISA):** Actively reduces speeding and promotes safer driving habits.

Benefits for Participants and Communities

- Provides **alternatives to** incarceration or license revocation.

- Encourages **behavior change and rehabilitation** through real-time feedback and structured oversight.

- **Protects communities, reduces crashes, and lowers recidivism rates.**

Together, We Achieve:

- Safer roads for everyone.

- Greater compliance and accountability.

- A pathway to long-term positive behavior change.

Q&A Session