TRANSPORTATION
PRODUCTS

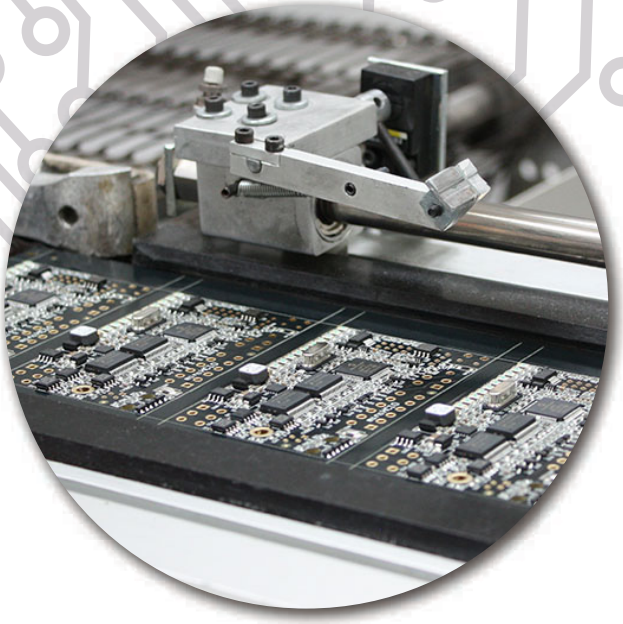


Teach your vehicles new tricks.

Idle reduction, anti-theft, safety and performance products for transit, paratransit, school bus and shuttle vehicles

INTERMOTIVE
VEHICLE CONTROLS
An ISO 9001:2015 Registered Company

ABOUT



What We Do

InterMotive Vehicle Controls provides commercial safety and performance optimization products. Our **plug-and-play electronic control systems** leverage a vehicle's own data networks to enhance its function in new ways.

Working closely with chassis and vehicle manufacturers, upfitters and fleets, we design and build products that address safety and performance challenges with practical, custom-tailored solutions.



Product Solutions Your Way

Our systems include plug-and-play connections to the OEM chassis that minimize or completely eliminate cutting of factory wires.

To accommodate your unique needs, many InterMotive products allow for custom programming. You can choose to order pre-configured modules, custom configs or program yourself.

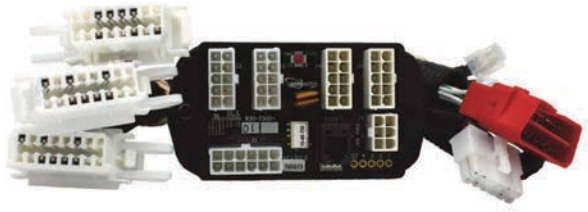
Downloadable programming utility software and mobile apps provide instant-change capabilities, so your vehicles function exactly how you want.



Proudly Built in the U.S.A.

Our products are manufactured and assembled in-house by our team of dedicated, highly trained employees. Our on-site engineering team often designs product solutions within weeks, versus OEM improvements, which can take years.

CAN DATA PRODUCTS



Break Out Box (BOBe™)

Device Compatibility Hub

WHAT IT DOES

- Enables multiple device connections while easing CAN network conflicts
- Passively acquires CAN data and distributes to aftermarket devices without any module modifications

WHY YOU WANT IT

- Removes compatibility issues by decreasing conflicting active requests on the network
- Eliminates the need for multiple harnesses linked to the OBDII/Gateway

J1939 Translator

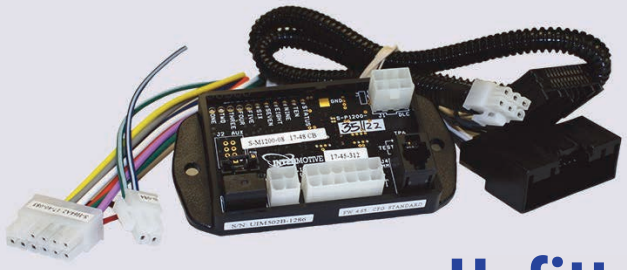
Uni-directional Communications Portal

WHAT IT DOES

- Enables aftermarket J1939 device integration on vehicles without native protocol support by translating CAN network data

WHY YOU WANT IT

- Transmits all processed J1939 data and does not interfere with the vehicle's data stream



Upfitter Interface Module®

Programmable CAN Data Access System

WHAT IT DOES

- Provides access to CAN vehicle data to activate and control your equipment

WHY YOU WANT IT

- Easily programmable using our Graphical User Interface with AND/OR logic
- Access to real-time chassis data allows you to configure up to 8 outputs for custom control

IDLE MANAGEMENT SYSTEMS



EcoStar™ III

Enhanced Idle Reduction System

WHAT IT DOES

- Automatic engine stop/start system reduces idle time based on custom off/on conditions; includes added features to optimize vehicle performance

WHY YOU WANT IT

- Saves you money on fuel, anti-idling fines and additional vehicle wear and maintenance
- Mobile app provides easily programmable settings, enables manual remote start and includes trackable savings and data reporting
- Offers integrated anti-theft protection (key-out mode, shift lock and automatic door lock)

Idle Timer Controller

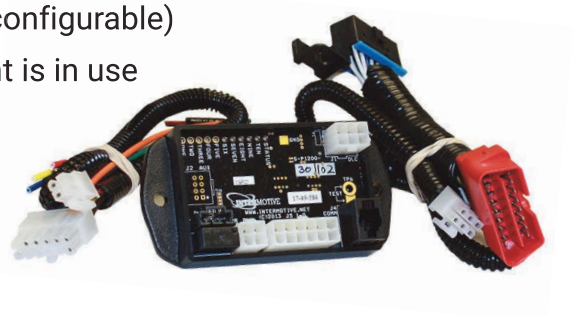
Idling Engine Shutdown System

WHAT IT DOES

- Automatically shuts the engine down after a set period of time (configurable)
- Allows override if equipment is in use

WHY YOU WANT IT

- Prevents excessive idling and saves you money
- Helps meet state and local anti-idling regulations



INTERLOCKS

Gateway

Shift Interlock and High Idle System

WHAT IT DOES

- Prevents vehicle movement while the wheelchair lift is in use by locking the shifter in Park
- High idle function provides more power when operating equipment and improves A/C performance

WHY YOU WANT IT

- All-in-one product ensures full functionality of the vehicle's systems while using the lift
- Fully compliant with FMVSS 403/404 and the Americans with Disabilities Act (ADA) for wheelchair lift interlocks

Intelligent Lift Interlock System™

Shift Interlock for Manual or Electric Doors

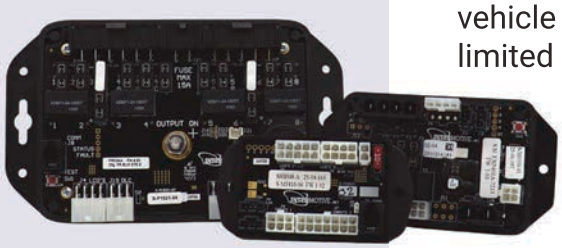
WHAT IT DOES

- Prevents the vehicle from shifting out of Park if the wheelchair or ramp is in use or until properly stowed
- Prohibits lift operation unless the vehicle is in Park and the park brake is set

WHY YOU WANT IT

- Ensures safe operation of vehicle equipment
- Fully compliant with FMVSS 403/404 and the Americans with Disabilities Act (ADA) for wheelchair lift interlocks

LOAD CONTROL SYSTEMS



FlexTech™

Programmable Electrical System

WHAT IT DOES

- Simple multiplex system designed to control loads and customize vehicle operation
- Connects electronic modules through the vehicle network

WHY YOU WANT IT

- Minimizes wiring and eliminates the need for timers, flashers and latching relays
- Settings are easily customized through our Graphical User Interface using AND/OR logic

OBSTACLE DETECTION

Camera Controller

Expanded View Safety System

WHAT IT DOES

- Activates up to three cameras when turn signals are on or the transmission is in Reverse

WHY YOU WANT IT

- Increases the driver's range of vision while the vehicle is in motion; perfect for vehicles with limited lines of sight

HawkEye™

Object Detection System

WHAT IT DOES

- Using ultra-sonic sensors in the front and rear vehicle bumpers, the system alerts the driver with visual and audible warnings



WHY YOU WANT IT

- Automatically activated when in Reverse
- LED display makes it easy to determine the location and distance of the object

SAFETY

Crank Disable/Crank Enable

Safe Startup System

WHAT IT DOES

- Prevents engine start-up or allows engine start-up, depending on customizable safety conditions

WHY YOU WANT IT

- Helps to avoid unintended vehicle movement
- Inexpensive safety enhancement, required by some states



Engine Monitoring & Shutdown System

Automated Powertrain Protection

WHAT IT DOES

- Monitors powertrain conditions and initiates a warning and engine shutdown sequence if parameters are exceeded

WHY YOU WANT IT

- Helps prevent engine and transmission damage



FlexSpeak™ ADA

Complete Bus Stop Announcement System

WHAT IT DOES

- Automatically broadcasts bus route and safety information verbally and visually using the vehicle's PA system and a destination sign
- Integrated GPS unit delivers accurate location details to trigger system messages

WHY YOU WANT IT

- Provides an improved transit experience for all passengers
- Fully compliant with the Americans with Disabilities Act (ADA) stop announcement regulations

MobiliSafe™

Wheelchair Securement Monitoring System

WHAT IT DOES

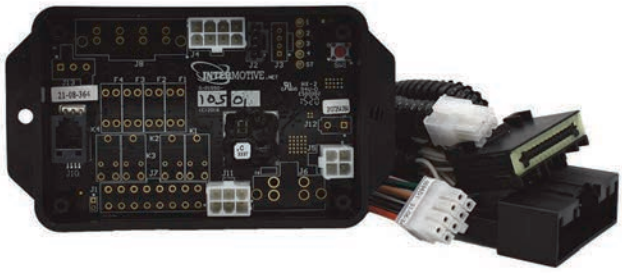
- Helps drivers ensure the wheelchair is immobilized and the passenger stays buckled during transport
- Alerts drivers instantly with visual/audible warnings if restraints are unbuckled or wheelchair moves



WHY YOU WANT IT

- Protects both passengers and transit agencies
- Records and stores securement data, providing critical data in case of an accident
- Compatible with both new and existing vehicles

SAFETY CONTINUED



Pre-Trip Module

Light Cycling & Bluetooth CAN Data

WHAT IT DOES

- Automatically rotates through all exterior lights

WHY YOU WANT IT

- Allows for a single person to complete a pre-trip inspection
- Includes function to provide vehicle data for third-party software packages via Bluetooth-enabled devices

School Bus Flasher

Light and Arms Controller

WHAT IT DOES

- Helps protect students by alerting nearby drivers as the bus approaches a stop
- Controls the flashing function of amber and red lights, plus operation of stop and crossing arms

WHY YOU WANT IT

- Increases visibility and indicates that children are exiting the vehicle
- Integrates with FlexTech for extra functionality



SeatLink™

Seat Information Tracking System

Sold exclusively through Freedman Seating Company

WHAT IT DOES

- Displays and tracks the occupancy and belt status of passenger seats in a vehicle

WHY YOU WANT IT

- Helps ensure all passengers are safely belted

SPEED LIMITER

Speed Sentinel™

Road Speed Limiter

WHAT IT DOES

- Limits the maximum vehicle speed, but does not limit the engine output

WHY YOU WANT IT

- Helps prevent accidents and unsafe conditions
- Includes modes for passing traffic, emergency override and a theft deterrent feature

THEFT PREVENTION PRODUCTS

CATalert™

Catalytic Converter Anti-Theft Alarm



WHAT IT DOES

- Helps prevent stolen catalytic converters

WHY YOU WANT IT

- Warns away thieves with an audible alarm
- Option to report real-time tampering via telematic devices
- Protects costly replacement parts

IdleLock™

Anti-Theft for Idling Vehicles

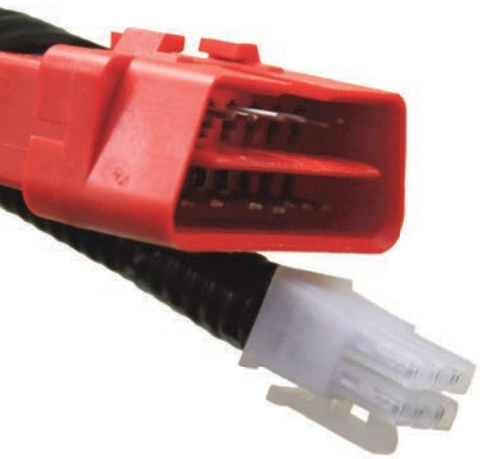
WHAT IT DOES

- Allows the engine to idle with the key removed from the ignition and the vehicle secured

WHY YOU WANT IT

- Prevents vehicle theft while all lights, equipment and HVAC remain fully functional
- Engine shuts off if movement is attempted without the key in the ignition





INTERMOTIVE VEHICLE CONTROLS

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U.S. Patents #11,685,531; #11,312,330; #10,870,411; #9,469,261 and Patent Pending | REV_AI

Product features may vary by make, model or year. See instructions for complete details.