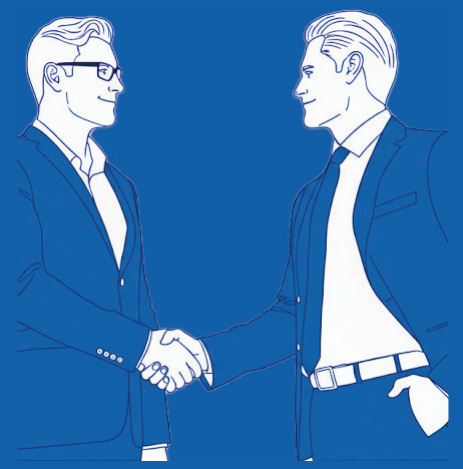
About AITSC

WE solve your most expensive technology problems without spending more.
AITSC is **PASSIONATE** about new technology and how to leverage it to make companies more efficient. We're **KNOWN** for our ability to identify and maximize opportunities and for our relentless execution skills.

We're on a mission

Our **MISSION** is to solve the most critical technology gaps in multi-million-dollar industries and make a lasting difference for technology in Australia.

STAY IN TOUCH



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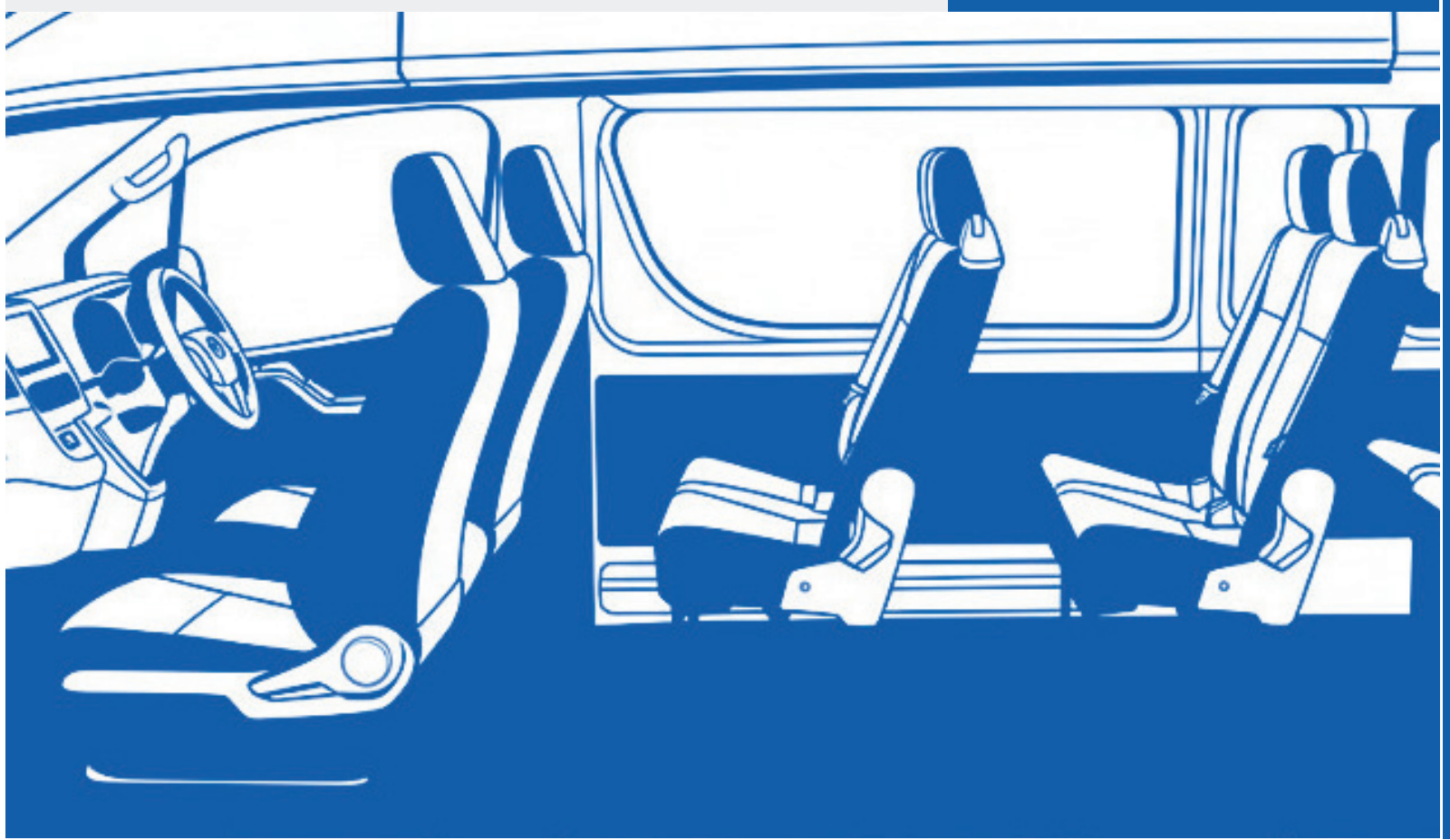


AITSC

AUSTRALIAN INTERNATIONAL TECHNOLOGY SOLUTIONS COMPANY

PASSENGER MONITORING SYSTEM

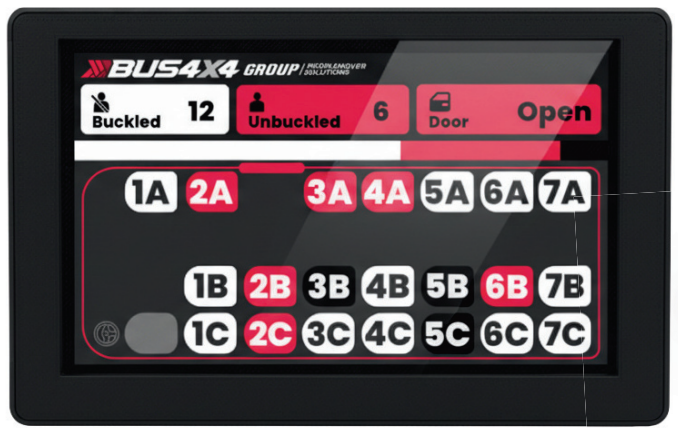
Real-time seat belt detection system that installs easily with seamless hardware integration and smart alerts.

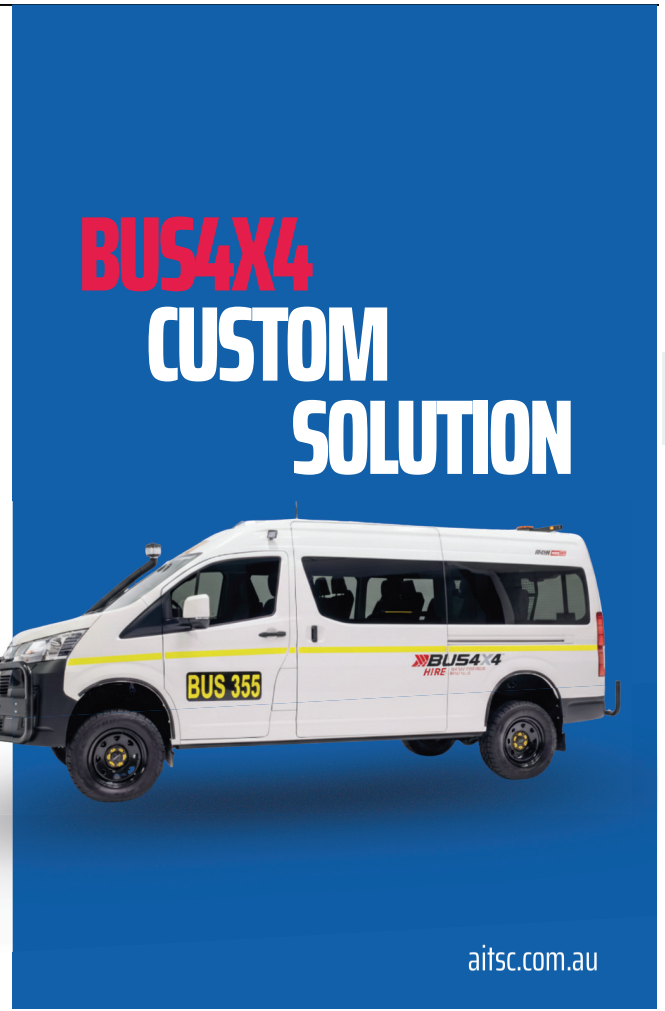
- System Overview
- Installation Guide
- Support & Warranty

SYSTEM OVERVIEW

This system monitors seat occupancy, seatbelt status, and door state in real-time on passenger transport vehicles. It uses seat sensor pads and buckle sensors connected to row modules and a display to provide accurate audible and visual alerts when passengers are unbuckled or the door is open. Smart algorithms allow automatic recognition of vehicle layout changes and sensor configurations, supporting plug-and-play installation. The display shows buckled, unbuckled, and idle seats, with red, white, or black indicators. The vehicle outline turns red if any passenger is unbuckled or the door is open. It supports 4 row, 7 row, right and left-hand drive vehicles.. Installation involves placing sensors, connecting them to modules and linking to the display. No programming or setup required.

This system is a custom technology solution designed specifically for Bus4x4, addressing their unique operational requirements in passenger transport. It tackles key issues like ensuring seatbelt compliance across all seats and simplifying the monitoring process for fleet operators. The plug-and-play architecture significantly reduces installation time and labour costs, while the modular design streamlines part replacement—only faulty components need replacing, not the entire system. These features directly support Bus4x4's goals of safety, efficiency, and cost-effectiveness.





AITSC Passenger Safety System Manual

INSTALLATION

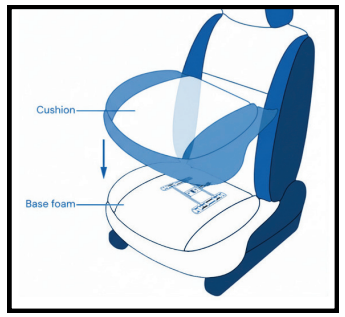
Hardware | Wiring | System Configuration

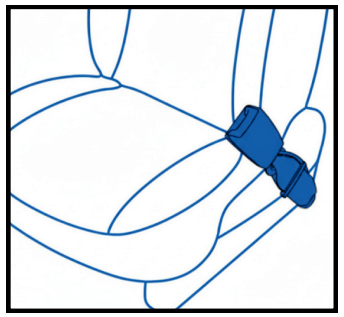
The installation and setup of this system includes hardware, wiring and system configuration.

4 STEP QUICK-GUIDE

1. Attach Sensors

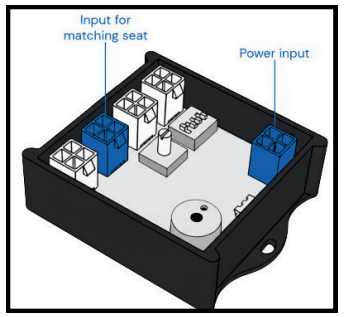
Install seat sensor and buckle sensor onto seat.

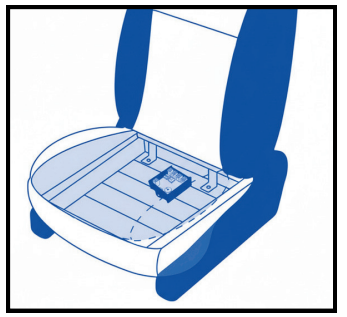




2. Mount Row Modules

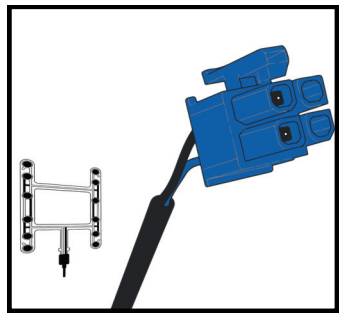
Install each row module.

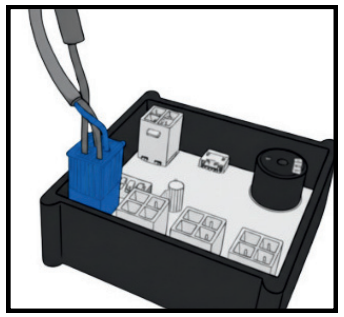




3. Connect Sensors

Plug each seat sensor into its matching plug on the row module.





4. Connect to Display

Connect all Row modules together and link them to the display unit.