The Multi-Platform Appliqué Kit (M-PAK®) is the next generation of Ground Vehicle automation. This system can be used to quickly and easily convert your existing fleet of standard human-driven vehicles into optionally-manned systems that can be driven in manned or unmanned modes. M-PAK® does NOT degrade ingress or egress characteristics for a driver when in manual driving mode and has been designed from the ground up with safety as a top priority when in automated modes of operation. It includes a vehicle control module, an innovative quick-install steering actuator, actuators for acceleration and braking, transmission controller, and an active safety system. M-PAK® is a scalable system that can be used as a stand-alone vehicle mobility kit or sensors can be added to offer various levels of autonomy. It supports Tele-Op remote control operation using Micro Systems fixed site and man-portable Command and Control (C2) systems, GPS waypoint following, and Leader/Follower (manned/unmanned teaming). M-PAK® allows for a semi-permanent installation in a vehicle, which releases the user from committing to one vehicle platform or a particular vehicle. It can move freely among a variety of vehicle types and enables optional dependable unmanned capabilities for a number of applications.
MULTI-PLATFORM APPLIQUÉ KIT
DATA SHEET & TECHNICAL SPECIFICATIONS

Features
- Developed using proven technology
- Modular design
- Standard interfaces
- Field upgradable
- Ruggedized portable system
- Vehicle Independent Datalink

Applications
- Training
- Weapons Evaluation
- Tactical Operations
- Route and Range Clearance
- Equipment Transportation
- Mining/Construction
- Security/Perimeter Patrol
- Commercial Use

Vehicle Control Module

Vehicle Installation Kit General Specifications
- Quickly converts most human-driven vehicles into unmanned systems
- Operates in Manual, Remote Control, GPS Path Following, and Leader/Follower Modes
- Compatible with Micro Systems C2 Systems (fixed site and man-portable)
- Designed with standardized components for easy upgrade and extended lifecycle
- No driver ingress or egress interference
- Includes Active Safety System
- Multiple configurations available
- Scalable to application
- User Interfaces include: Ethernet, CAN/J1929, RS-232/422, and USB
- Datalink Independent (UHF, WiFi, standard military datalinks)
- Quick and easy installation
- Power: 12VDC