



Overview | Vehicle Up-Fitting Services

Enhancing Operation Transparency and Safety: Advanced Body Worn, Vehicle, and Drone Video Surveillance Systems

In today's exceedingly mobile landscape, specialized vehicle up-fitting services are not just a luxury but a necessity, especially within public safety, education, public transit, and logistics sectors.

MCA's comprehensive fleet up-fitting solutions transform standard vehicles into fully-functional mobile command centers, tailored to the unique demands of these critical industries.

At MCA, we understand that each sector has distinct requirements. Public safety vehicles, from police cars to EMS and fire trucks, are equipped with advanced communication systems, emergency lighting, and necessary public address systems to ensure rapid and effective response. Educational institutions benefit from customized solutions that enhance the safety and operational efficiency of school bus fleets, integrating surveillance and communication technologies that safeguard students and staff. Public transit systems require robust and reliable installations that improve the management and safety of bus and rail

operations, enhancing passenger communications and fleet management. For the logistics sector, our up-fitting services ensure that ground freight vehicles are equipped with the latest in mobile computing and communication tools to optimize route management and delivery efficiency.

By choosing MCA, organizations not only receive the best in equipment but also benefit from expert installation and integration services. Our approach ensures that every piece of equipment we install — from mobile radios and sophisticated radar systems to comprehensive lighting solutions — is part of a holistic solution purchased from us and expertly fitted to meet operational demands without the need to coordinate with multiple vendors.

This turnkey service model emphasizes our commitment to providing complete, integrated solutions that support our clients' missions, enabling them to focus on their critical work with the assurance that their fleet is equipped to face any challenge.

Maximizing Fleet Operations with Advanced System Installations

Fleet Outfitting Up-Fitting Services from MCA's Expert Install Technicians

Mobile In-Vehicle Video Systems

Rugged Cellular Routers and Antennas

Mobile Radio and Vehicular Repeater Systems

Drone Management Applications

Emergency Lighting and Speaker Systems

Device Mounts, Racks, and Storage Solutions

Rugged Laptops, Tablets, and Handhelds



Mobile Radios



Routers/Antennas



Laptops/Mounts



Speakers/PAs



Automatic LPR



Mobile Video



Lighting Systems



Radar Equipment

Our Solutions

Vehicle Lighting

We offer a range of specialized lighting solutions to enhance the functionality and safety of public safety, service, and commercial vehicles.

- **LED and Mini-LED Lightbars:** Our offerings include both full-sized LED lightbars for extensive visibility and compact LED minibars suitable for vehicles with limited space. These lightbars are crucial for public safety vehicles, offering customizable colors and flash patterns to meet the specific operational needs.
- **Warning Lights and Programmable Flashers:** These solutions focus on vehicle visibility and safety, providing clear directional signals to enhance communication with other road users. Ideal for both routine and emergency situations, these lights are essential for utility and emergency vehicles alike.
- **Perimeter and Compartment Lighting:** Our installation services extend to LED exterior and interior lighting designed to illuminate the vehicle's perimeter and internal compartments. This enhances operational efficiency and safety, especially under low-light conditions.

Our expert installation teams are proficient in configuring these lighting solutions to various vehicle types and profiles, ensuring optimal device installation for maximum effectiveness. MCA's approach not only focuses on delivering high-quality equipment but also emphasizes expert installation, ensuring every vehicle is equipped to enhance operational readiness and safety.

Sirens and Speakers

We install speaker, siren, and public address (PA) solutions designed to meet the diverse communication needs of public safety, utility, and commercial vehicles.

- **Sirens:** Our sirens are essential for emergency and service vehicles, providing a variety of programmable sounds that are crucial for signaling and alerting the public. These systems are designed for reliability and high output, ensuring that the siren sounds can be distinctly heard over ambient noise.
- **Speakers:** We install durable and powerful speakers that are designed to project clear and loud audio for public address systems. These speakers are integral for vehicles that require robust and clear communication capabilities, allowing operators to convey messages effectively to the public or coordinate with team members during operations.
- **Integrated Sirens and Speakers:** Our integrated siren and speaker solutions provide both siren sounds and public address capabilities in one system, featuring control units for seamless switching. This cost-effective integration simplifies operations and enhances ease of use for personnel during critical tasks.

Each of these components is expertly installed by MCA's professional teams, who ensure that every system is optimally configured for the specific layout and needs of each vehicle. This meticulous approach to installation guarantees maximum functionality and reliability, enhancing the safety and efficiency of fleet operations.

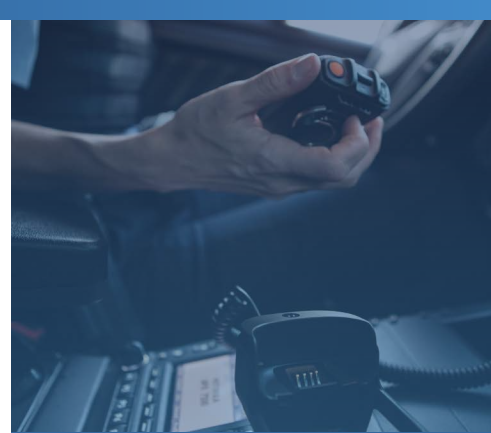
Note: For both our lighting and speaker/siren solutions, we exclusively partner with trusted industry leaders such as Whelen, SoundOff, Code3, and Federal Signal. This ensures that we provide high-quality, reliable systems across all our vehicle up-fitting services, maintaining consistency and excellence with partners renowned for their robust and innovative products.

Mobile Computing and Communications

Most notably, our vehicle up-fitting services primarily focus on advanced mobile computing and communication solutions, integrating top-tier technology into fleet vehicles to support business and mission-critical operations.

- **Mobile Radios:** Our installation services include state-of-the-art mobile radios exclusively from Motorola Solutions, ensuring that your team has reliable and effective communication tools. These radios are vital for maintaining clear communication lines, especially in public safety and critical service operations.
- **Mobile Routers:** To provide constant and secure connectivity, we install advanced cellular routers from Cradlepoint, Semtech, and Digi International. These devices offer robust 5G, Wi-Fi, and GPS networking solutions that ensure seamless internet access for critical applications, making them ideal for both commercial fleets and emergency response vehicles.
- **Vehicle Antennas:** We equip vehicles with high-quality multi-band UHF/VHF, Wi-Fi, 4G, 5G, and GPS/GNSS antennas from partners like Poynting Antennas and Mobile Mark, which are essential for boosting signal strength and ensuring that communications and data transfer are not only uninterrupted but also secure.
- **Vehicular Repeaters:** Our vehicular repeater systems are designed to extend the communication range of mobile radios within your fleet, ensuring that coverage is consistent even in remote or challenging environments. This setup is crucial for expansive operational areas where direct communication may otherwise be hindered.
- **Rugged Laptops, Tablets, and Handhelds:** To support in-field operations, we install and configure rugged laptops, tablets, and handhelds, primarily from Panasonic. These devices are built to withstand harsh conditions and provide reliable performance for real-time data access, reporting, and communication on the move.
- **Mounts, Racks, and Storage Solutions:** To accommodate and secure the above technologies, we provide custom mounts, racks, and storage solutions from trusted manufacturers like Havis and Gamber Johnson. These setups are engineered to optimize space within the vehicle while ensuring that all devices are easily accessible and securely mounted, enhancing the functionality and ergonomics of the vehicle's interior workspace.

MCA's commitment to delivering top-tier mobile video solutions extends beyond public safety to include private security, education, freight operations, and more where enhanced security and video evidence are also highly desirable. Our experts ensure that each installation is tailored to maximize operational benefits while supporting the mission and business-critical operations.



MCA guarantees that your fleet vehicles are outfitted with the finest computing and communications technologies, configured for optimal accessibility and ease of use.



MCA equips fleets with Stalker Radar solutions, providing precision speed enforcement technology crucial for law enforcement effectiveness.

Mounted and Handheld Radar

We expertly install advanced radar systems for law enforcement vehicles. Our selection focuses on leading-edge technology from Stalker Radar, renowned for its precision and reliability in speed enforcement and traffic monitoring.

- **Dash-Mounted:** Stalker Radar's dash-mounted units are designed for unobtrusive integration within the vehicle's dashboard, providing law enforcement officers with accurate speed readings without obstructing the view or operation of the vehicle.
- **Motorcycle-Mounted:** Stalker's systems feature compact designs ideal for motorcycle mounting, ensuring unobtrusive use and optimal functionality.

By providing top-tier radar technologies that are specifically designed for both dash and motorcycle mounting, we ensure that our law enforcement clients are equipped with the tools they need for effective traffic management and law enforcement duties. Our installation experts ensure that these systems are integrated seamlessly into the vehicle, maximizing functionality while maintaining operational safety and vehicle aesthetics.



Our cellular routers enable critical connectivity, facilitating real-time streaming and seamless automatic offloading of live and stored video footage.

Mobile Video

MCA excels in the installation of vehicle-based mobile video solutions, customizing setups to meet the specific needs of our clients, especially within the public safety, education, transit, and commercial sectors.

Our installation services cover a range of sophisticated systems, including dash and in-cabin cameras, mobile Automatic License Plate Recognition (L5M) technology, and integrated software platforms that enhance video data management and operational control.

We employ Motorola (M500) and WatchGuard (4RE) technologies, ensuring that our installations not only comply with the highest standards but also seamlessly integrate into the existing vehicle systems. This integration provides robust, reliable video surveillance and recording capabilities crucial for operational accountability and evidence gathering.

Our Fleet Team

Each installation, performed by our certified technicians, is expertly tailored to optimize the functionality, durability, and discretion of the installed systems—whether mobile video, communications, or computing solutions.

Our professionals ensure that every setup, from a single vehicle to an entire fleet, enhances operational efficiency without interfering with vehicle functionality. MCA's vehicle upfitting services guarantee that all installations are reliable and user-friendly, enabling clients to rely on their systems in critical moments.

About Us

At MCA, we are committed to excellence, providing a wide array of communication and security technologies that span public safety, commercial radio, and mass notification systems. Our expertise in designing, deploying, and maintaining advanced systems allows us to offer customized solutions that integrate seamlessly and enhance operational efficiency for every client.

For decades, we have been leaders in our field, driven by innovation and a commitment to excellence. Our solutions enhance connectivity, boost efficiency, and ensure the safety of communities and enterprises alike. MCA's skilled team of engineers and technicians delivers robust and reliable systems tailored to meet the specific demands of any operation.

From initial consultation through ongoing support, MCA stands as your trusted partner in communication and security, committed to your success and prepared to meet future challenges. Join us in reshaping global communication and security, one innovative solution at a time.

[>> Contact Us Today](#)

OUR CUSTOMERS



Public Transit

Law Enforcement

Fire & Rescue

EMS & Ambulance

Logistics

Education

Utilities

Private Security



About MCA

MCA is one of the largest and most trusted technology integrators in the United States, offering world-class voice, data, and security solutions that enhance the quality, safety, and productivity of customers, operations, and lives.

More than 65,000 customers trust MCA to provide carefully researched solutions for a safe, secure, and more efficient workplace. As your trusted advisor, we reduce the time and effort needed to research, install, and maintain the right solutions to make your workplace better.

Our team of certified professionals across the United States delivers a full suite of reliable technologies with a service-first approach. The MCA advantage is our extensive service portfolio to support the solution life-cycle from start to finish.

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The MCA logo is displayed in a large, white, sans-serif font. The letter 'C' is stylized with a blue circular graphic element inside it, resembling a signal or a network node. The background of the entire page is a dark blue gradient with abstract white line art patterns, including a network diagram of nodes and connections in the upper right corner.