

# EMPOWERING FIREFIGHTERS WITH INNOVATIVE IN-VEHICLE CHARGERS

<b>CLIENT:</b>	City of Vancouver, BC & E-Comm Emergency Comms for BC
<b>INDUSTRY:</b>	Fire Department/Public Safety
<b>PRODUCTS CREATED:</b>	EVC 4-Unit In-Vehicle Charger
<b>RESULTS:</b>	Over 80 units installed in fire trucks and other emergency vehicles

## The Problem

In the bustling Canadian city of Vancouver, communication is the lifeblood of emergency response services. Firefighters, police, and other emergency services rely on seamless and dependable communication via two-way radios to coordinate and respond swiftly to crises.

Recognizing the critical role of effective communication in crisis management, the city decided to replace its outdated radios with the state-of-the-art Motorola

APX. The process of switching radios not only involves putting a new unit into the right hands, but making sure those units can be powered. Unfortunately for the city of Vancouver, the Motorola chargers did not fit in their fire trucks, creating a serious problem for the deployment.

If the city of Vancouver couldn't figure out how to charge the new Motorola radios in the service vehicles, then the entire deal would be off. Vancouver would have to delay the rollout keeping thousands of radios in limbo.



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## The Solution

The city found itself in a holding pattern. Motorola was unable to spare the extra resources needed to solve the problem at hand and the city of Vancouver was running out of options. During this time of flux, the Power Products' brand was growing its presence in Canada, making a name for itself abroad. The city of Vancouver caught wind of Power Products' success and decided to reach out for assistance.

The team at Power Products, using their previously compiled knowledge of in-vehicle chargers and mounts, joined forces with Vancouver and its fire department to come up with a custom solution.

For this project, Power Products had two main factors to take into consideration when determining the best solution. The first challenge was the limited space inside the fire truck to work with and the second was compliance requirements. Any equipment in fire trucks needed to be compliant with the National Fire Protection Agency (NFPA), meaning any solution Power Products created needed to withstand at least 9 G-forces.

After careful review and inspection of every inch of the vehicle, the team was able to identify the space above the rear jump seat as the ideal location to mount the in-vehicle chargers. Now that they had the mounting spot determined, the next step was to tackle manufacturing a solution that met their power and compliance needs.

Studying existing in-vehicle chargers, an idea took shape — creating a backplate to enable the seamless installation of not just one, but four units. Now called the Endura Vehicle Charger (EVC) 4-unit, this product stands the test against 9Gs and eliminates the need for individual installations and intricate wiring processes. Boasting a low-profile and compact size, the EVC 4-unit uses significantly less valuable space than other OEM equipment while also featuring a USB charging port on each bay to offer additional charging capabilities for phones or tablets.

## The Results

Power Products' EVC 4-unit was the last piece Vancouver needed to move forward with their transition to Motorola radios. Purchasing over 80 EVC 4-units, the city of Vancouver can now power more than 300 Motorola APX radios with Power Products' in-vehicle chargers.

For this deployment, Power Products was able to leverage the voice of the customer to develop a custom solution that matched the city of Vancouver's unique needs. Not only did Vancouver benefit from the EVC 4-units, but it has now become a popular product for the fire market across all North America and has had a major impact on the public safety market.

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Our team of experts is eager to collaborate with you! The Power Products team is here to help craft tailor-made solutions to perfectly fit your unique requirements and challenges. Let us be your preferred partner when it comes to land mobile radio (LMR) accessories that enhance performance, safety, and reliability.

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