

# PAWS Enforcement Module™ Installation and Operation

*This document describes how to correctly install and operate a PAWS Enforcement Module™. The PAWS Enforcement module is used with the PAWS SIDEKICK™ and the PAWS™ vehicle tracking unit to verify vehicle occupancy for HOT lane use.*

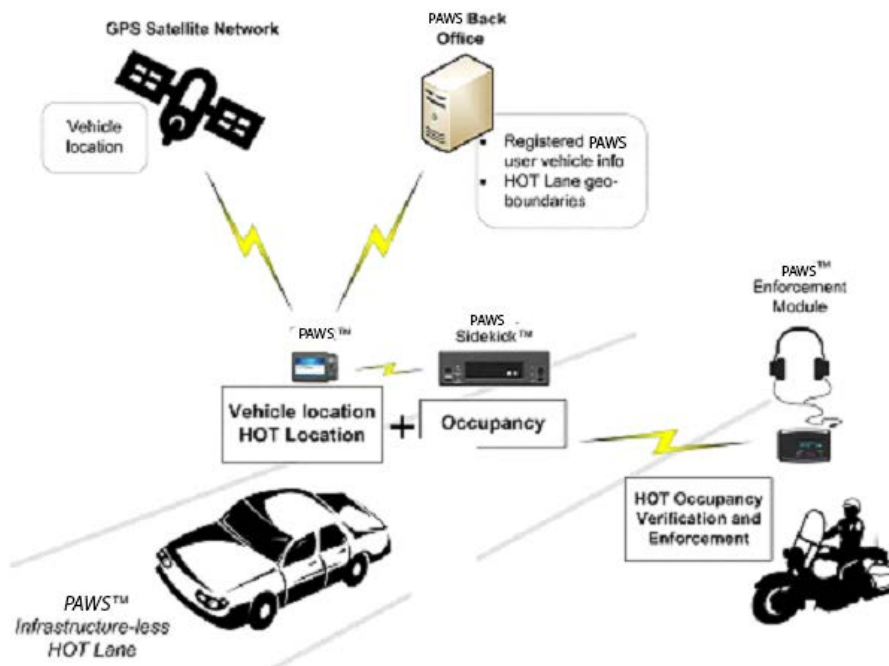


These instructions cover what you need to know to get your PAWS Enforcement module up and running:

- Battery Installation
- Enforcement Module Installation
- Operation

## About the PAWS Enforcement Module

When an Enforcement Module detects a vehicle's PAWS device, it will display the vehicle information including make, model, color, and license plate, along with the occupancy setting. If the buzzer switch is on, the EM signals a read with an audible tone. You can hear the tone directly from the device or through headphones, if connected.



## **PAWS Enforcement Module Kit**

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The kit includes the following items:

- PAWS™ Enforcement Module
- Suction cups
- Clip
- Handlebar clamp

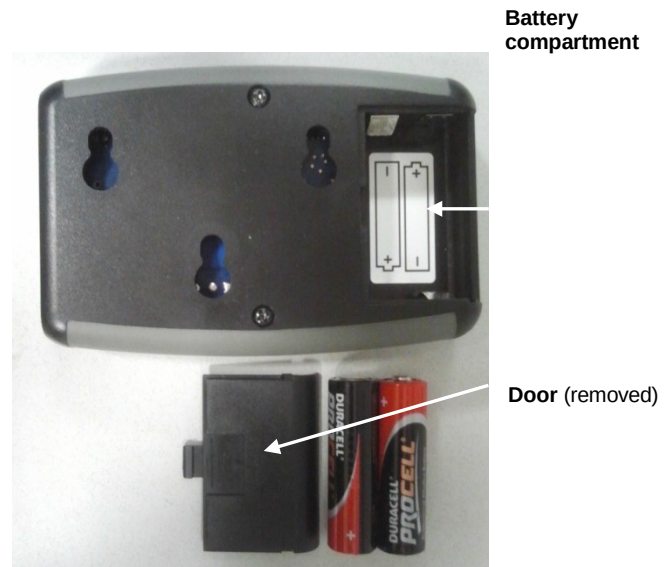
You need to provide two (2) AA batteries for operation. Non-rechargeable lithium batteries are recommended for maximum life. Some high capacity alkaline batteries and rechargeable batteries will also be sufficient but have shorter lifetimes.

## **Battery Installation**

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The Enforcement Module battery compartment is on the back of the device.

The battery cover slides out, revealing the location for two side-by-side batteries. The correct battery polarity is shown inside the compartment.



## **Enforcement Module Installation**

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You can operate the EM as a handheld unit. With the optional parts included in the kit, you can also attach the unit to:

- A vehicle *visor* with a clip;
- Inside the *windshield* with either double-sided adhesive or suction cups; or
- Motorcycle *handlebars* with a clamp.

## Operation

The EM emits a radio wave straight out from the back of the unit, so you aim it by holding the unit with the display in view, then turning so that the target car is directly ahead.

However, the radio wave is not narrow like a laser beam--it has a definable width that allows it to detect objects away from the direct line of sight as well.

While you may use any convenient hand position that does not block the display, we recommend that you hold onto the left side of the unit, so as not to interfere with the display.



## Switch Functions

**POWER OFF/ON:** Power for the device.

**AUDIO:** The headphone jack allows you to plug in an optional set of headphones to listen to the buzzer.

**BUZZER OFF/ON:** Disables/enables the audible sound generated when a PAWS is detected. If the buzzer switch is enabled at power up, a beep will also sound about 5 seconds after power on, lasting about 1 second. If you use the headphone jack next to this switch, it disables the normal audio. We strongly recommended using headphones with volume control.

Right Side View of Enforcement Module



### RANGE

- Long: For vehicles from approximately 100 to 300 feet away.
- Medium: For vehicles from approximately 30 to 100 feet away.
- Short: For vehicles up to approximately 30 feet away.

*Note: Range distances are approximate.*

### LOCK/READ

- Read mode: The EM continues to read PAWS devices in vehicles.
- Lock mode: The EM stops reading, locks the display and saves the last three vehicles. This setting is the same as putting the unit "on hold."

### RECALL

You can view the last three vehicles read by moving the switch to 1, 2, or 3, with 1 being the most recent.

Top View of Enforcement Module



## Power On the Enforcement Module

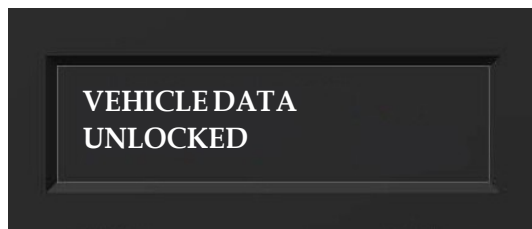
Press the **POWER** switch on the right side of the unit to the **ON** position.



The Enforcement Module display shows this message on power-up:

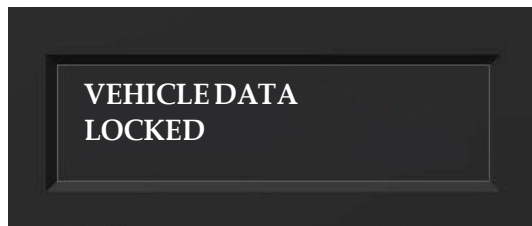
**PAWS ENFORCEMENT**  
**Ver XX.XX**

...along with a version number,  
followed by another message showing  
the Lock/Read setting (see next section).



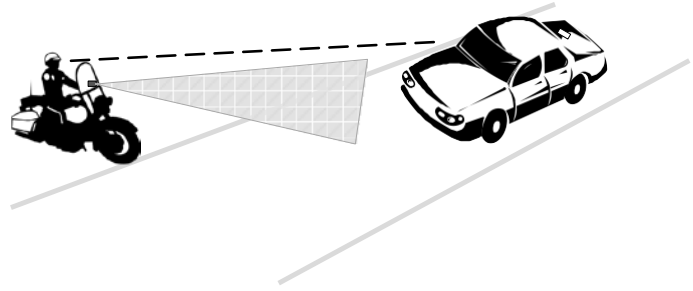
Next, the EM displays the LOCK or READ  
setting, depending on how this switch is set.

**...or**



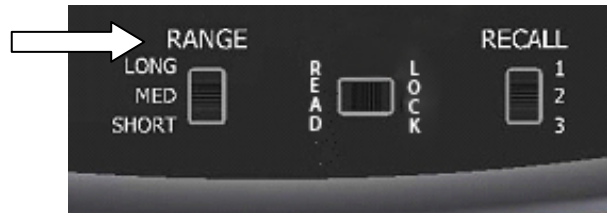
## Read a Vehicle

Get into position for a clear sight of traffic and optimal EM read range.



Set **Range** based on distance to traffic.

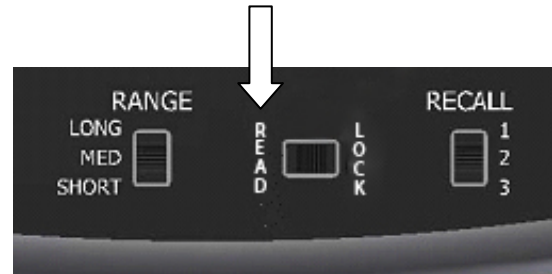
- Long: Vehicles 100 to 300 feet away
- Medium: Vehicles 30 to 100 feet away
- Short: Vehicles 30 feet away



Make sure the LOCK/READ switch is set to

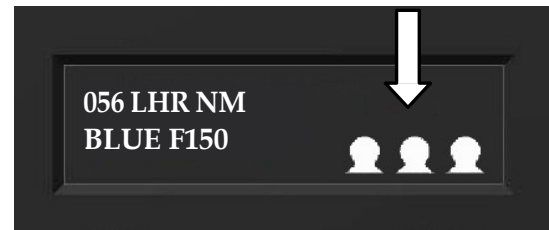
**READ.**

In READ mode, the EM reads PAWS Sidekick devices automatically—you do not have to press any other switches.



Watch the EM display. As it reads, the EM displays the vehicle information and number of passengers.

In the example at right, the driver has set the number of passengers to 3.



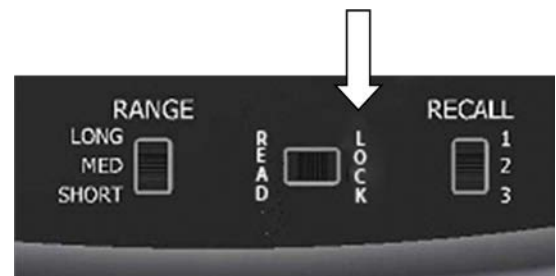
The number of passengers shown on the display should coincide with the number of passengers visible in the vehicle.

If not, switch the EM to LOCK mode to capture the reading. If necessary, recall the reading in question (refer to next section).

## Lock & Recall Vehicle Reading

When you see a discrepancy between the EM reading and the actual passenger count in a vehicle, click the LOCK/READ switch to **LOCK**.

With the EM in Lock mode, you can step through the last 3 vehicle readings to pull up the one with the questionable passenger setting.





Move the RECALL switch to 1, 2, or 3 until the reading in question appears.

With this information you are ready to follow enforcement procedures.



## **Regulatory and Compliance**

*NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:*

- *Reorient or relocate the receiving antenna.*
- *Increase the separation between the equipment and receiver.*
- *-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.*
- *-Consult the dealer or an experienced radio/TV technician for help.*

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules, and Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

*Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.*

The Enforcement Module may not be modified, altered, or changed in any way without permission from TransCore, LP. Unauthorized modification may void the equipment authorization from the FCC and will void the TransCore warranty.



[www.transcore.com](http://www.transcore.com)

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