PAYTON'S CHARM

CHARM

Vehicle Environment Monitor

System   Status

VENTURI ®

A CHENEGA COMPANY

Payton's CO2 Human Animal Reporting and Monitoring (CHARM)

Payton's CHARM

(US Patents 10,169,975 and 10,839,666)

Congratulations on your purchase of *Payton's CHARM*, a state-of-the-art device that monitors the inside of your vehicle for life and life-threatening conditions and alerts you whenever the two occur simultaneously! Life threatening conditions are detected by monitoring CO_2 levels and temperature.

Payton's CHARM provides a life-detection system to alert a vehicle's owner and emergency contacts when conditions in a parked vehicle threaten a life within the vehicle. Leaving a child, any other person, or an animal unattended in a parked vehicle can lead to heat stroke, serious bodily injury, or death. The device is intended as a supplemental safety device to alert users to life-threatening conditions, should a user accidentally leave a person or an animal unattended in a parked vehicle. The device does **not** substitute or mitigate a caregiver's legal duty under applicable law. It is your responsibility never to leave a child, any other person under your care, or an animal unattended in your vehicle. Venturi, LLC makes no guarantee that the device will prevent heat stroke, serious bodily injury, or death, should you leave a person or animal unattended in your vehicle. By providing supplemental safety services through the device, Venturi, LLC undertakes no special duty to protect you or anyone under your care from harm.

LEAVING A LIFE UNATTENDED IN A VEHICLE

CAN CAUSE SERIOUS INJURY OR DEATH.

NEVER LEAVE YOUR CHILD, ANY OTHER PERSON, OR ANIMAL UNATTENDED IN A VEHICLE.

Quick Start

Please charge *Payton's CHARM* overnight before configuration and installation. Note many aux power ports or USB ports are **not** powered when the vehicle is off.

WITHOUT SUFFICIENT POWER, THE DEVICE CANNOT DETECT LIFE OR LIFE-THREATENING CONDITIONS.

ALWAYS CHECK THE DEVICE'S POWER SUPPLY AND CHARGE LOW BATTERY.

Connect your choice of power adapter to *Payton's CHARM* and using a paperclip press the reset button through the hole on the side of the device. Text "Setup" to your device's phone number and follow the prompts (See Configuration Mode below). After the device has been configured, install *Payton's CHARM* into your vehicle (See Installation & Charging).

Status Indication

Solid GREEN LED	Charging/External Power
Blinking GREEN LED	Battery Powered
Solid RED LED	Startup or Alerts Quieted
Blinking RED LED	Configuration Mode

Installation & Charging

Payton's CHARM can be installed anywhere in the vehicle, preferably near a 12V power outlet or 5V USB and out of the way where it will not be disturbed. We recommend placing the device on the passenger-side windshield or dash. Please ensure *Payton's CHARM* and its charging cord do **not** obstruct the driver's vision or operation of the vehicle**.** Other locations to consider are the center console or rear window near a charging port. Once you decide where to install *Payton's CHARM* in the vehicle, you can use the provided Velcro adhesive tape to secure the device. *Payton's CHARM* **cannot** be placed in a glove box or inside a center console that obstructs GPS satellite signals.

Payton's CHARM placement recommendations

If you drive your vehicle several times per week and even if your trips are short, *Payton's CHARM* is intended to be left plugged into the 12V power outlet or 5V USB in the vehicle. Alternatively, you can charge the device indoors if the device does not regularly charge inside your vehicle. If the device is not displaying a solid green light indicating that it is charging, or a flashing green light indicating it is operating on battery power, the device is not operational and should be charged.

Operation

There are two modes of operation: **Configuration Mode** and **Monitor Mode**. Configuration Mode is used briefly to setup the device, and Monitor Mode is used to monitor the conditions in a vehicle and send alerts.

⚠️ **CAUTION**

IF THE DEVICE CANNOT CONNECT TO YOUR CELL PHONE, IT CANNOT SEND YOU A SAFETY ALERT.

ALWAYS ENSURE YOUR PHONE IS CHARGED AND CONNECTED TO A CELLULAR NETWORK.

There are 3 numbers stored in the device. Only the primary number (#1) will receive all alerts and be able to configure the device. The second number (#2) will receive second- and third-level alerts, and the third number (#3) will receive only third-level alerts. *Payton's CHARM* should detect life **within ~10-15 minutes after a vehicle has stopped moving and ALERT only if life threatening conditions (outdoor temperature >60°F, Vehicle internal temperature >85°F, CO_2 level above acceptable threshold) are detected.** A second alert will be issued ~3 minutes later and a third ~3 minutes after that. The alerts will clear if the vehicle begins moving, is "aired-out" and CO_2 levels fall, *Payton's CHARM* enters configuration mode, or the "Quiet" command is issued.

It is recommended that you save *Payton's CHARM* phone number to your cellular device and add it to your favorite or trusted contacts. Additionally, your phone should be configured to allow notifications from favorite or trusted contacts even when you have your phone on silent or do not disturb. Consult your phone's reference manual for more information. *Payton's CHARM* will not disclose any phone numbers nor send any solicitations.

Configuration Mode

Payton's CHARM is configured via text messages and full configuration takes about 3 minutes but is intended to be performed only once on installation. In this mode, the 3 contact phone numbers and vehicle description are configured. The device will remain in configuration mode for ~2 minutes without user input or until commanded to exit configuration. While in Configuration Mode, the device status LED will blink red. *Payton's CHARM* can be put into configuration mode 3 different ways:

- The **primary number** (#1) can text the word "**Config**" to the device.
- The reset button is pressed through the hole on the side of the device (will be a paperclip press).
- The device restarts when charging from a dead battery.

Once in Configuration Mode, there are two menus: a menu to change phone numbers and a menu to change the vehicle description. You will be prompted to enter the menu item information. Follow the prompts to configure the selected item. You can leave the selected menu item at any time by texting "Done." However, you must set up at least one phone number for the device to function.

Commands

Commands are issued to *Payton's CHARM* by simply sending an SMS text message to the device. The device's phone number is labeled on the device, *Payton's CHARM* usually responds to commands within ~30 seconds. If you have not received a response within a minute, please resend the command. The commands are not case sensitive.

> **Setup** – Texting "**Setup**" while in Configuration Mode will set your number as the primary (#1) number.

> **Done** – Texting "**Done**" from either of the menus will exit Configuration Mode and enter Monitor Mode.

> **Ok** – Texting "**Ok**" will advance to the next menu or exit when completed.

> **Help** – Texting "**Help**" will show a list of available commands.

> **Config** – This command will return the device to configuration mode for 5 minutes and **clear any alarms**.

> **Quiet** – This command will **clear any alarms and stop reporting for 10 minutes**.

> **Factory** – This command will clear all phone numbers and vehicle description.

> **Status** – This command will report the device's status and reset the status notification timer. The default configuration is for Daily reports.

> **Hourly** – This command will report the current device status and reset the status notification timer and change the timer to every hour. This command can be sent at any time in Monitor Mode.

> **Daily** – This command will report the current device status, reset the status notification timer, and change the timer to every day. This command can be sent at any time in Monitor Mode.

Weekly – This command will report the current device status, reset the status notification timer, and change the timer to every week. This command can be sent at any time in Monitor Mode.

Monthly – This command will report the current device status, reset the status notification timer, and change the timer to every month. This command can be sent at any time in Monitor Mode.

Where – This command will report the current device location.

Description– This command will report the current vehicle description assigned to the device.

Hibernate – This command will turn off *Payton's CHARM.* Please note that the battery charge notification is inactive in hibernate mode. To reactivate *Payton's CHARM*, press the reset button with a paperclip through the hole in the side.

Monitor Mode

In this mode, the device will monitor CO_2 and temperature levels as well as vehicle position and velocity. Routine status messages will be sent providing the status of both *Payton's CHARM* and your vehicle HOURLY, DAILY, WEEKLY, or MONTHLY as user-configured. While in Monitor Mode, *Payton's CHARM* will respond to several commands. Not that the Status command will report the device's current status and reset the status notification timer. The default configuration is for Daily reports.

Help

Payton's CHARM generally responds to commands within ~30 seconds. If you have not received a response within a minute, please resend the command.

If *Payton's CHARM* is left in hot or cold storage, the device may send alerts. If you wish to store *Payton's CHARM,* we recommend issuing the "**Hibernate**" command so the device does not send alerts. To reactivate *Payton's CHARM*, press the reset button with a paperclip through the hole in the side.

If GPS unit is not reporting accurate location, move *Payton's CHARM* to a location which has better visibility to satellites. After reset, when leaving configuration mode or when left indoors, the device has not had a chance to acquire GPS satellites. Move the device outdoors or near a window and use the command "**Where**" to get current device location.

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Non-Customer Commands & Information

(This page is an insert for the initial testers of the device and is not intended for the end user.)

Commands are issued to *Payton's CHARM* by simply sending an SMS text message to the device. The device phone number is labeled on the device.

> **#hot** – This command will simulate hot temperatures such that *Payton's CHARM* may be tested without exposure to extreme environments. This is not persistent and during device reset this setting is not preserved.

> **#normal** - This command will exit the simulated hot temperature operation and return to normal monitoring.

> **#recal** – This command will recalibrate the C02 sensor. This command should be used only after the device sits in "free air" for >5 minutes. (The general user is not expected to perform this command unless the device is malfunctioning).

Currently device diagnostic logging information can be found at: http://paymentlane.com/bpayment/dumpCharm.php

Clicking the **IMEI** that corresponds to the desired device will filter out results for only that device.

When externally powered, *Payton's CHARM* will send diagnostic information every two minutes if doing so does not interfere with the monitoring process. Note that many vehicles do **not** supply power when they are turned off.

When *Payton's CHARM* operates off internal battery only, the device will send diagnostic information every thirty minutes if sending the message does not interfere with the monitoring process.

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