

# Watt Point™

By Control Module Inc., EVSE LLC

*State of the Art EVSE with Cable Management*

## EVSE Payment Module

Model 3725-104



**Control Module Industries**

Founded in 1969

**EVSE LLC**

**User Manual and Installation Guide**

**Models 3725-104**

**EVSE Payment Module**

Patents Pending

3725-UG-002 Rev B

January 2016

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# Important Notes

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## Safety and Compliance

This document provides instructions to install and use the Watt Point™ Payment Module 3725-104 which manages payment, access and data communication within a network of Watt Point Charging Stations (EVSEs). Before installation of the Watt Point Payment Module by licensed professionals, you should review this manual carefully and consult with a licensed contractor, licensed electrician and trained installation expert to ensure compliance with local building practices, climate conditions, safety standards, and state and local codes. As part of a total EVSE network, the Watt Point Payment Module and Charging Station should be inspected by a qualified installer prior to the initial use. Under no circumstances will compliance with the information in this manual relieve the user of responsibility to comply with all applicable codes or safety standards. This document describes the most commonly-used installation and mounting scenarios. If situations arise in which it is not possible to perform an installation following the procedures provided in this document, contact Control Module Inc, EVSE LLC. Control Module Inc, EVSE LLC, is not responsible for any damages that may occur resulting from custom installations that are not described in this document.

## Warranty Information and Disclaimer

Your use of, or modification to, the Watt Point Payment Module in a manner in which the Watt Point Payment Module is not intended to be used or modified will void the limited warranty. Other than any such limited warranty, the Control Module Inc, EVSE LLC, products are provided “AS IS,” and Control Module Inc, EVSE LLC, and its distributors expressly disclaim all implied warranties, including any warranty of design, merchantability, fitness for particular purposes and non-infringement, to the maximum extent permitted by law.

## Limitation of Liability

In no event shall Control Module Inc, EVSE LLC, or its authorized distributors be liable for any indirect, incidental, special, punitive, or consequential damages, including without limitation, lost profits, lost data, loss of use, cost of cover, or loss or damage to the watt point charging station or Payment Module, arising out of or relating to the use or inability to use this manual, even if Control Module Inc, EVSE LLC, or its authorized distributors have been advised of the possibility of such damages.

## FCC Compliance Statement

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. 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. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

## Important

Changes or modifications to this product not authorized by Control Module Inc, EVSE LLC, could affect the EMC compliance and revoke your authority to operate this product.

## No Accuracy Guarantee

Reasonable effort was made to ensure that the specifications and other information contained in this manual are accurate and complete at the time of publication. The specifications and other information in this manual, however, are subject to change at any time and without prior notice.

## Copyright and Trademarks

Copyright 2016 Control Module Inc., EVSE LLC. All rights reserved. This material is protected by the copyright laws of the United States and other countries. It may not be modified, reproduced or distributed without the prior, express written consent of Control Module Inc., EVSE LLC.

Watt Point is a U.S. registered trademark and service mark of Control Module Inc., EVSE LLC. All other products or services mentioned have the trademarks, service marks, registered trademarks or registered service marks of their respective owners. Control Module Inc., EVSE LLC, has filed several patent applications.

## Instructions Pertaining To Risk Of Fire Or Electrical Shock

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The following is a summary of safety concerns relevant to the installation and use of the Model 3725-104 Payment Module. Failure to follow these safety instructions may lead to serious injury, death and/or damage to the equipment.



**WARNING:** is used to provide a warning of hazardous voltage and possibility of electric shock.



**CAUTION:** is used to provide awareness of important safety information in these instructions.

## Important Safety Instructions

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**WARNING:** Only qualified personnel should perform the installation. This installation must be performed in accordance with all local electrical/building codes and ordinances. Follow lockout/tagout procedures.

Improper connection of the equipment grounding conductor may result in a risk of electric shock. Reference National Electrical Code, ANSI/NFPA 70 for proper sizing of the ground conductor.

**CAUTION:** To satisfy FCC RF exposure requirements for mobile transmitting devices, a separation distance of 20 cm or more should be maintained between the antenna(s) of this device and persons during device operation. To ensure compliance, operations at closer than this distance is not recommended. The antenna(s) used for this transmitter must not be co-located in conjunction with any other antenna or transmitter.

Additional considerations which will contribute to safe operation of this unit include the following:

- DO:**
- Read all instructions before using this product.
  - The device should be supervised when used around children.
  - In case of a problem, contact your installer or CMI Customer Support.
- DON'T:**
- Use this product if the enclosure is broken, cracked, open or shows any other indication of damage.
  - Attempt to repair or service the unit yourself.

**SAVE THESE INSTRUCTIONS**

## Instructions De Sécurité Importantes

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**AVERTISSEMENT:** est utilisé pour fournir un avertissement de tension dangereuse et possibilité de choc électrique.



**ATTENTION:** est utilisé pour fournir la prise de conscience de l'information de sécurité importante dans ces instructions.

### INSTRUCTIONS DE SÉCURITÉ IMPORTANTES



**AVERTISSEMENT:** Seul le personnel qualifié devrait effectuer l'installation. Cette installation doit être effectuée en conformité avec tous les codes électriques/bâtiment locaux et ordonnances. Suivre les procédures de verrouillage/verrouillage.

Mauvaise connexion de l'équipement de mise à la terre chef d'orchestre peut entraîner un risque de choc électrique. Référence National Electrical Code, ANSI/NFPA 70 pour le bon dimensionnement du conducteur au sol.

Ne pas utiliser ce produit si le code de puissance souple ou le câble EV sont effiloché, a rompu l'isolation ou tout signe de dommage.



**ATTENTION:** Pour satisfaire les exigences d'exposition RF de la FCC pour les appareils mobiles de transmission, une distance de séparation de 20 cm ou plus devrait être maintenue entre l'utilisation de ce dispositif et les personnes au cours de l'opération de l'appareil. Afin d'assurer la conformité des opérations à plus proche que cette distance n'est pas recommandée. L'utilisation utilisée pour cet émetteur ne doit pas être détachée en conjonction avec tout autre antenne ou émetteur.

Considérations supplémentaires, ce qui contribueront à la sécurité de fonctionnement de cette unité sont les suivants :

- DO:
- Lire toutes les instructions avant d'utiliser ce produit.
  - L'appareil doit être supervisé lorsqu'il est utilisé autour des enfants.
  - En cas de problème, contactez votre installateur ou soutien à la clientèle CMI.
- NE PAS:
- N'utilisez pas que ce produit si l'enceinte est cassée, fissuré, ouvrir ou afficher toute autre indication de dommages.
  - N'essayez pas de réparer ou d'un service de l'unité de vous-même.

### ENREGISTREZ CES INSTRUCTIONS

## Introduction

The Model 3725-104 Payment Module operates as the central payment, access and communication system manager for a network of Electric Vehicle Supply Equipment (EVSE) charging systems.

When communicating between an EVSE and a Payment Module, your options are ZigBee Mesh or Serial RS-232. When communicating between a Payment Module and your network, your options are Cellular or Ethernet, where the unit communicates with third-party networks via the Gateway Module using an Ethernet connection. The Payment Module does not need to be physically connected to EVSEs when set up for wireless or cellular operation.

The Payment Module is packaged in a NEMA 3R-rated enclosure so it is designed to withstand the harshest elements, including direct rain and external icing. The 3725-104 is also rust-resistant.

The Payment Module has a user-friendly 3x4 keypad, with stainless steel snap domes for tactile feel. The keypad is also sealed to be weather-resistant. A 4x20 Position VFD (Vacuum Fluorescent Display) is designed to be seen clearly and easily outdoors. The VFD and character size provide greater luminescence and clarity. The 3725 also has an encrypted magnetic card reader, allowing payment with credit and debit cards. Card and card holder information is encrypted as it is transmitted to the credit card payment processor, and is never stored locally in the Payment Module. When a valid card authorization is received, the EVSE is activated, and the start of the transaction is stored both locally and transmitted to the central host. The charge is held against the card until charging is complete and the cable is removed from the vehicle, at which time the host computer is notified, payment is finalized, and fees are charged.

The layout of the Payment Module when connected to an EVSE is shown in **Figure 1**.

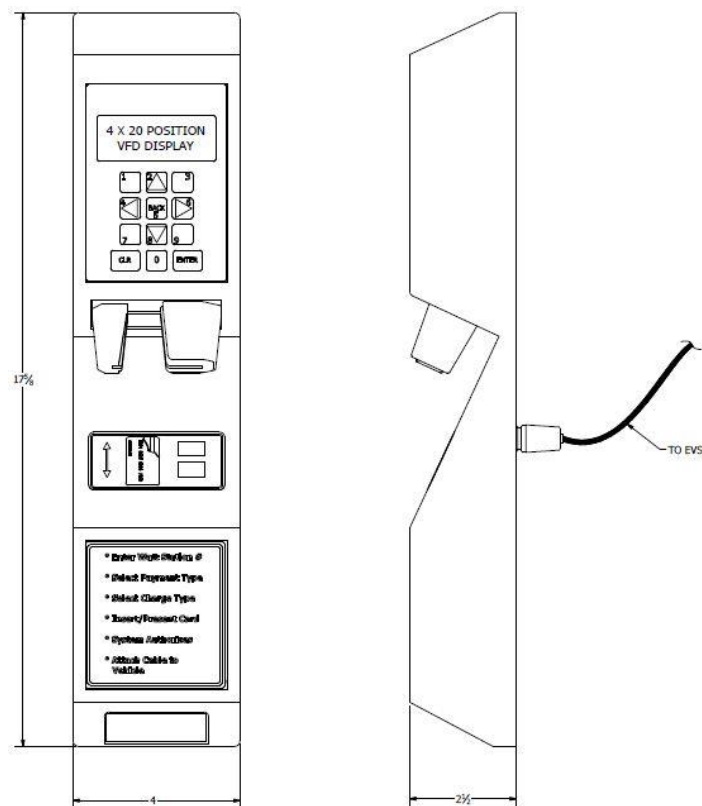


Figure 1

**Figure 2** shows the location of the Payment Module when mounted on a dual 3704 EVSE.





Figure 2

## Specifications

### Product Code

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Product Code	Model 3725-104
Mounting:	On EVSE Pole, Remote Pole or Wall
Communication to EVSE:	ZigBee Mesh or Serial RS-232
Communication to Network:	Ethernet or Cellular
Payment Method:	Credit/Debit Card Magnetic Reader RFID Reader (Optional)

### Electrical

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Voltage	+24 VDC @ 1 amp
Power Consumption	Less than 24 watts (Based on Configuration)

### Hardware

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CPU	1 GHz
Display	LCD, 4 rows, 20 alphanumeric characters per row
Keypad	3x4 keypad, ½" keys on 5/8" centers, sealed, snap-dome
Credit Card Reader	Encrypted
RFID Reader	Mifare/iClass-compatible
Ethernet	IEEE 802.3 10Base-T and 802.3u 100Base-T
ZigBee	Frequency: 2.4 GHz

### Environmental

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Operating Temp	-22F to +122F (-30C to 50C) Ambient
Operating Humidity	0% to 90% non-condensing
NEMA Rating	3R

### Compliance

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EMC	Meets FCC Class A, Canadian ICES-003
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### Accessories

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Communication to EVSE (ZigBee)	Contains - FCC ID: MCQ-PROS2B, IC: 1846A-PROS2B (optional)
Communication to Network (Cellular Modem)	Contains - (V) FCC ID: N7N-SL5011, IC: 2417C-SL5011 (optional) - (A) FCC ID: N7N-SL8090, IC: 2417C-SL8090 (optional)
RFID Reader	Contains - FCC ID: JQ6-MCLASSRP10E, IC:2236B-MCLASSRP10E (optional)

### General

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Weight	2.30 lbs.
Size	4 in (W) x 17 9/16 in (H) x 2 1/2 in (D)

\*Observe all required Lockout/Tagout procedures while making any electrical connections or servicing the unit.

	<u>Network Options</u>	<u>Payment Options</u>	<u>Comm Options</u>	<u>Mount Options</u>
--	------------------------	------------------------	---------------------	----------------------

**Payment Module**

Base Unit: <b>3725-104</b>	x	xx	x	xx
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**Cellular Communication Options (Ethernet Included)**

Ethernet	E
CDMA (Verizon)	V
GSM (AT&T, Sim Card Customer Supplied)	A

**Payment Options**

Insertion Mag Stripe Reader	09
Insertion Mag Stripe and iCLASS Readers	10
Insertion Mag Stripe and Blackboard VR100 Reader*	11

(\*Includes 110 VAC/24 VDC pwr supply for ZigBee)

**Communications Options**

Serial	S
ZigBee	Z

**Mounting Options**

None (When mounted on EVSE pole as part of shipped assembly)	xx
Pole (pole with Blackboard Reader Assembly, ZigBee)	PB
Pole (standalone Pmt Mod with Pole w/ 24VDC power supply, for ZigBee comm)	P1
Pole with 1-2 Mux (includes standalone Pmt Mod, 3x6 pole, 1-2 EVSE, serial)	P2
Pole with 1-4 Mux (includes standalone Pmt Mod, 3x6 pole, 1-4 EVSE,serial)	P3
Pole with 5-8 Mux (includes standalone Pmt Mod, 3x6 pole, 5-8 EVSE serial)	P4
Wall (with Blacboard Reader Assembly, ZigBee)	WB
Wall (Includes standard wall frame and 24 VDC power supply, ZigBee com)	W1
Wall with 1-2 Mux (includes Pmt mod, wall frame, mux, 1-2 EVSE, serial)	W2
Wall with 1-4 Mux (includes Pmt Mod, standard wall frame, mux, 1-4 EVSE, serial)	W3
Wall with 5-8 Mux (includes Pmt Mod, standard wall frame, mux, 5-8 EVSE, serial)	W4

**KEY**

PA = 3725-104-E-09-S-xx ....Payment Module (E,CC,S)	PA (3725-A0400)
PB = 3725-104-E-10-S-xx ...Payment Module (E,CC,RFID ICLASS,S)	PB (3725-A0403)
PC = 3725-104-E-09-Z-xx ...Payment Module (E,CC,ZigBee)	PC (3725-A0404)
PD = 3725-104-E-10-Z-xx ...Payment Module (E,CC,RFID ICLASS,ZigBee)	PD (3725-A0405)
PE = 3725-104-V-09-S-xx .. Payment Module (CDMA Modem(V),CC,S)	PE (3725-A0402)
PF = 3725-104-V-10-S-xx ...Payment Module (CDMA Modem (V),CC,RFID ICLASS,S)	PF (3725-A0401)
PG = 3725-104-V-09-Z-xx ..Payment Module (CDMA Modem (V),CC,ZigBee)	PG (3725-A0406)
PH = 3725-104-V-10-Z-xx .. Payment Module (CDMA Modem (V),CC,RFID ICLASS,ZigBee)	PH (3725-A0407)
PI = 3725-104-A-09-S-xx ..Payment Module (GSM Modem (A),CC,S)	PI (3725-A0408)
PJ = 3725-104-A-10-S-xx ..Payment Module (GSM Modem (A),CC,RFID ICLASS,S)	PJ (3725-A0409)
PK = 3725-104-A-09-Z-xx ...Payment Module (GSM Modem (A),CC,ZigBee)	PK (3725-A0410)
PL = 3725-104-A-10-Z-xx ...Payment Module (GSM Modem (A),CC,RFID ICLASS, ZigBee)	PL (3725-A0411)

## LOCKOUT/TAGOUT



**Warning: Disconnect power from service lines.**

**Avertissement: Déconnecter puissance de lignes de service.**

Prior to performing electrical wiring for installation of the Gateway, ensure that power has been removed from the service lines originating from the service panel.

To maintain the safety of all persons in the area a lockout/tagout procedure should be followed per 29 CFR 1910.147.

Lockout is the placement of a lockout device on the service panel energy isolation device (circuit breaker) to ensure that the power source cannot be operated until the lockout device is removed. A lockout device utilizes a positive means such as a lock (key or combination lock with a circuit breaker lockout) to hold the breaker in a safe position to prevent energization.

Tagout is the placement of a tagout device (a tag or other prominent warning device) on an energy isolation device to indicate that the energy isolation device and the equipment being controlled may not be operated until the tagout is removed. The tagout device should be non-reusable, attached by hand, self-locking and non-releasing with a minimum unlocking strength of no less than 50 pounds.

The lockout approach shall be used unless the utilization of a tagout procedure will provide full personnel protection.

## Installation Overview

The 3725-104 is shipped either mounted to an EVSE or optional ZigBee Mesh mounting pole, or can be configured for mounting on a wall, with or without the optional ZigBee Mesh. The unit's pole-mount dimensions and mounting pattern are displayed below. For specific installation instructions, see the 3725 series of Installation Sheets.

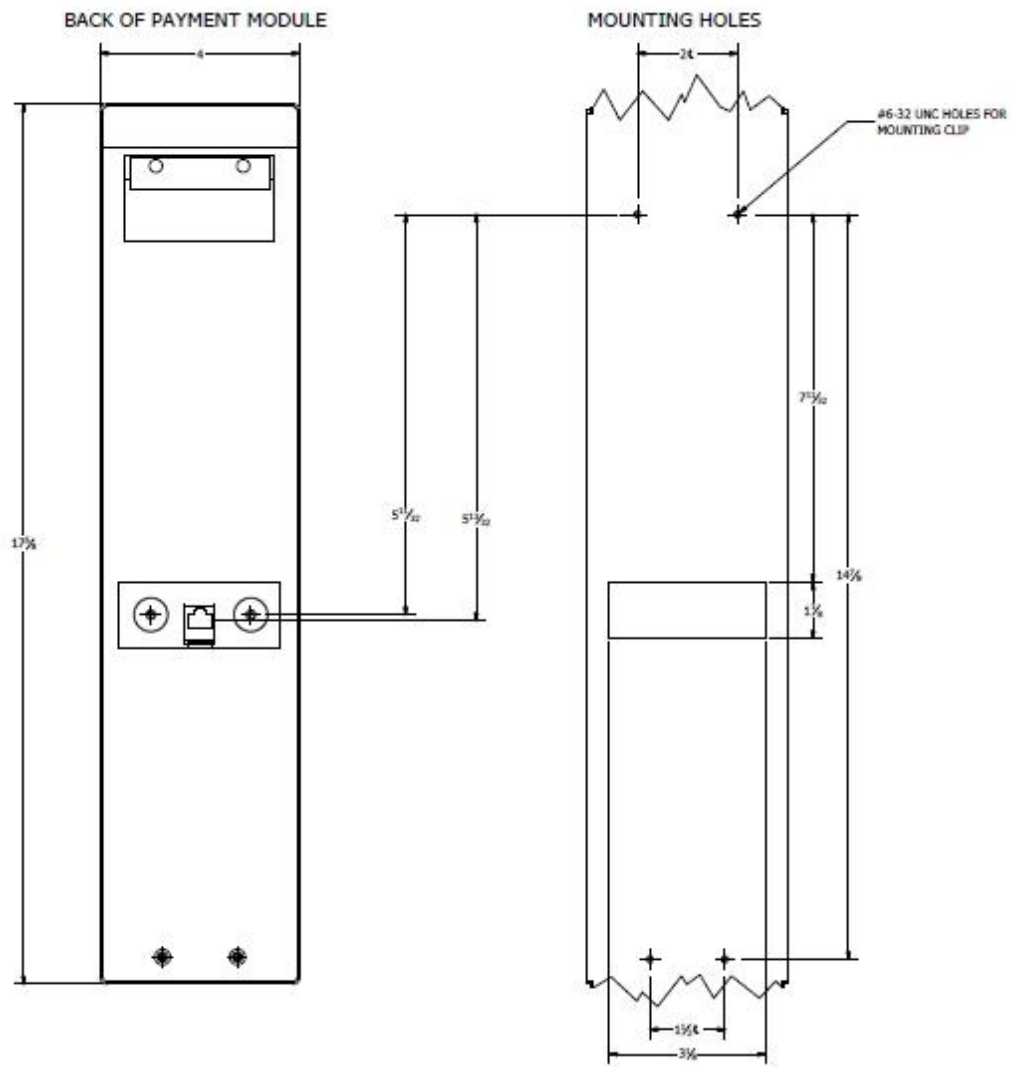
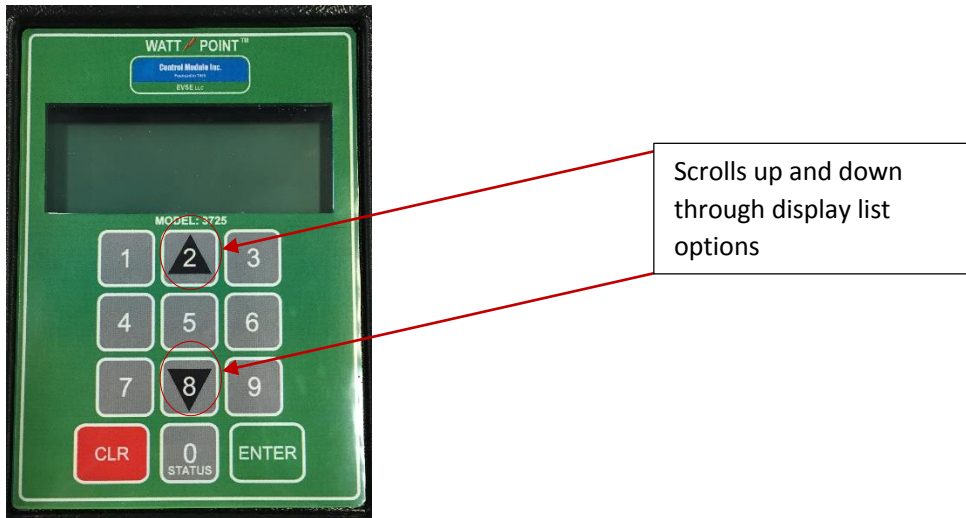


Figure 3

## Payment Module Operation

The operating screens and language associated with your Payment Module will be unique to your installation. Basic operational screen examples are below.

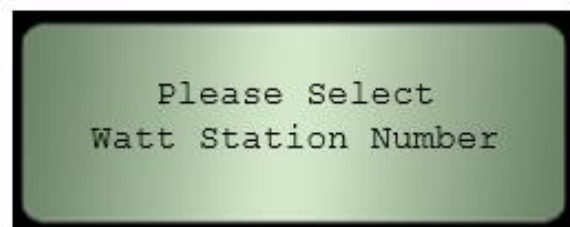
### Keypad Overlay



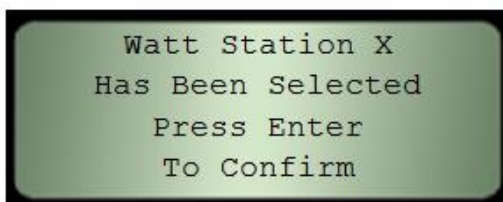
### Display Screens

#### EVSE Selection screen:

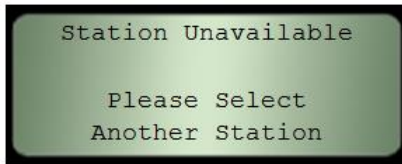
1. The Selection (Main) screen prompts for the Watt Station number. Enter the station number using the numeric keypad:



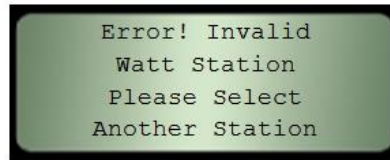
2. Selecting a station number prompts the user to press **Enter** to confirm the selection:



Possible errors include the following:



Selecting a station that is already in use.

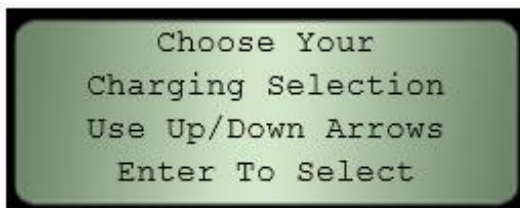


Selecting an invalid station number.

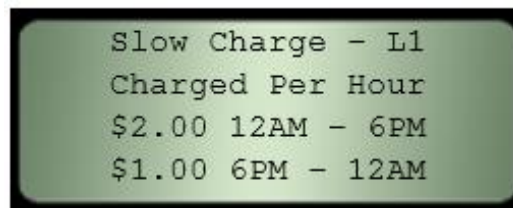
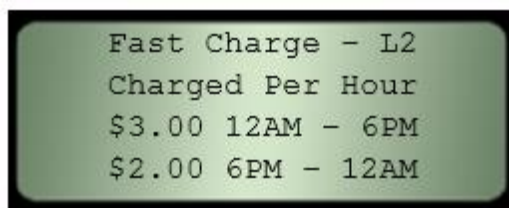


All stations are already in use.

- The Payment Module then prompts the user to select **L2** (Faster) charging, or **L1** (Slower) charging using the **Up Arrow** (# 2) or **Down Arrow** (# 8) buttons:

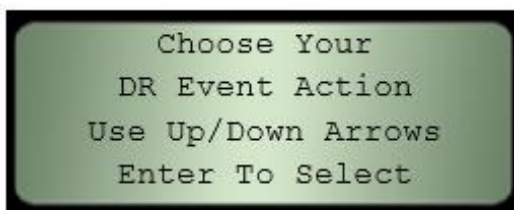


**NOTE:** Charges and timeframes displayed below are examples.



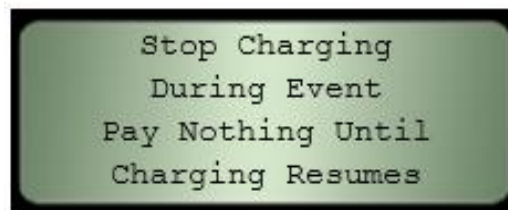
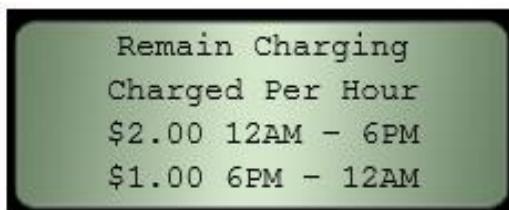
- Press **Enter** to select.

The charger now prompts the user to select how to handle a DR (Demand Response) event, again using the **Up Arrow** (# 2) or **Down Arrow** (# 8) buttons to scroll through choices:



Choices for handling DR events differ based on whether L1 or L2 Charging was selected previously:

**L1 DR-Handling Choices**



**L2 DR-Handling Choices**

Remain Charging  
Charged Per Hour  
\$3.00 12AM - 6PM  
\$2.00 6PM - 12AM

Reduce Charging 50%  
Charged Per Hour  
\$2.00 12AM - 6PM  
\$1.00 6PM - 12AM

Stop Charging  
During Event  
Pay Nothing Until  
Charging Resumes

5. Press **Enter** at the option screen to select your choice.
6. The charger will now prompt for the user's cell phone number in order to provide text notifications of DR events and confirmation of the action taken.

Enter 10-Digit  
Cell Phone Number  
To Receive  
Text Notifications

7. Enter user's 10-digit cell phone number using the numerical keypad, and press **Enter** when done.

A confirmation screen displays showing the selections and purchase. **NOTE:** Information displayed below is an example.

Confirm Purchase  
Base \$2.00/\$3.00  
L2 - Fast Charge  
Enter To Accept

8. Press **Enter** to accept (or **CLR** to cancel).
9. A *Please Swipe Credit Card* screen displays.

Please Swipe  
Credit Card

10. After processing the credit card, the charger instructs the user to plug in their vehicle.

Thank You  
Please Plug In  
Your Vehicle

11. Plugging the vehicle in to the station completes the process, and the Payment Module screen defaults back to the EVSE Selection screen.



## Accessing the Web Browser Interface

The Payment Module hosts a web browser-based application that allows you to manage the EVSE network and configure various options associated with each EVSE. In addition, it allows you to view current status and historical information that has been accumulated from each EVSE, and configure the Payment Module's own system.

The first step to gaining access to the Web interface is to open a web browser and establish a connection with the Module. Connections can be made over either Ethernet or a cellular connection.

**Note:** Acceptable browsers are Google Chrome and Internet Explorer; Internet Explorer must be in Compatibility Mode.

### Ethernet Connection

For an Ethernet connection, the default URL (case-sensitive) to contact the Payment Module is <http://192.168.13.99:8080/Gateway/evse>. Open a browser and enter this address into the URL. If you want to change the Module's IP address after you have logged in, see *Changing the IP Address for an Ethernet Connection* on page 17. If you are working with a Network Management System, set up port forwarding between the public port (1-9999) to the internal IP address of the EVSE gateway.

If you cannot use the default URL from your network, use an Ethernet cable to plug your laptop directly into the back of the Payment Module.



**Ethernet (Module)**

1. Slide the Module up off the pole or wall, remove your network's Ethernet cable and plug the other end of the Ethernet cable from your laptop into the Ethernet port.
2. Bring up a browser on your laptop and enter the Module's default IP address into the URL.
3. Log into the Payment Module: Username=admin; Password=pass
4. Follow Steps 1-5 in *Changing the IP Address for an Ethernet Connection* on page 17.
5. Remove the Ethernet cable connecting your laptop to the Payment Module and plug in your network's Ethernet cable.
6. Slide the Module back onto the pole or wall.
7. From your network's browser, enter [http://\[IP address\]:8080/Gateway/evse](http://[IP address]:8080/Gateway/evse) into the URL and log back into the Module.

### Cellular Connection

When the Payment Module includes a cellular modem, the cellular modem must have a static LAN IP address. The private local area IP address of the cellular modem is 192.168.13.31/24. To obtain the public IP address of the cellular modem, consult your Cellular Internet Service Provider. The cellular modem will handle NAT-ing for the Payment Module. The default NAT configuration for the cellular modem is as follows:

- It will forward web traffic on tcp port 8008 to the Payment Module at 192.168.13.99:8080
- It will forward ssh traffic on tcp port 46 to the Payment Module at 192.168.13.99:22
- It will forward modbus traffic on tcp port 502 to the Payment Module at 192.168.13.99:502

Plug the chosen IP address into the URL(case-sensitive): [http://\[IP address\]:8008/Gateway/evse](http://[IP address]:8008/Gateway/evse)

### Logging In

Once a connection is established, the login screen displays.

The screenshot shows a login interface with the following elements:

- A header "Login Info" above the input fields.
- A "User:" label followed by a text input field.
- A "Password:" label followed by a text input field.
- A "Login" button located below the password field.

Enter the default username and password: **Username:** admin; **Password:** pass

Be sure to change these as soon as possible. See *System Configuration on page 28* for more information.

## Changing the IP Address for an Ethernet Connection

1. Display the System Configuration screen by clicking **File** and selecting **Open Sys Config** from the dropdown list.

The screenshot shows the System Configuration interface. On the left, a sidebar menu has 'Open Sys Config' highlighted with a red box. The main content area has four tabs: 'System Config', 'Time Zone', 'NTP Settings', and 'Network Settings', with 'Network Settings' highlighted in red. The 'System Config' section includes fields for Login User (admin), Login Password (\*\*\*\*\*), and Version (9923-100f). The 'Zigbee Info' section includes a Zigbee Pan ID (43 4d 49 00 00 00 35) and buttons for Set PanID, Query, Test, and Zigbee. The 'Maintenance Info' section includes Days to Keep Local Messages (90) and Days to Keep Charge History (90). The 'Message Queue Info' section includes an MQ URL (localhost) and buttons for MQ and Post Office. The right sidebar contains sections for Reservation Info, SMTP Info, Power Monitoring Settings, White List Badge Format, Cable Management, and Miscellaneous, each with various input fields and buttons.

2. Click the **Network Settings** tab. The following screen displays:

The screenshot shows the Network Settings screen. The 'Network Settings' tab is selected in the top navigation bar. The 'Custom Network Settings' section contains four input fields: IP Address (192.168.0.99, highlighted in red), Netmask (255.255.254.0), Gateway (192.168.0.10), and DNS Server (192.168.0.15). Below these fields are 'Save changes' and 'Refresh' buttons. The 'Default Network Settings' section contains an 'Enable Default IP' button.

3. Enter a public, static IP address for the Payment Module in the **IP Address** field.
4. Fill in the remaining fields as necessary for your system's configuration.
5. Click **Save Changes**.
6. Select whether to reset the gateway now. Resetting takes a few minutes.
7. From your network's browser, enter [http://\[IP address\]:8080/Gateway/evse](http://[IP address]:8080/Gateway/evse) into the URL and log back into the Payment Module.

## Setting Up a ZigBee Mesh Network

Within a ZigBee Mesh network, a Payment Module can interface with up to 32 EVSEs containing ZigBee modules. When setting up a network for the first time, you will need to add the EVSEs one at a time. These EVSEs will already have been installed at the site. Before you begin, make sure the covers of the EVSEs have been removed as you will need access to their GFI dip switches. See that EVSE's installation guide for those instructions. Refer to **Figure 4** for the EVSE's GFI dip switch location. You will also need the test payment card that came with the Payment Module (**Figure 6**). If you have misplaced this card, you can add the EVSE to the network via the Web Browser Interface. See that section on page 19.

**Note:** Power must remain on for the Payment Module and the EVSEs to ensure communication does not get interrupted before the process completes.

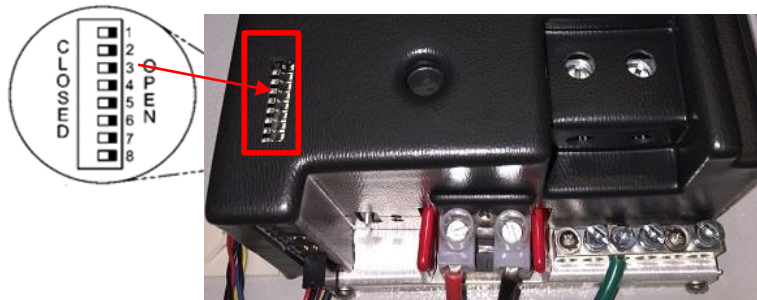


Figure 4

1. Turn on the Payment Module.
2. Turn on the first EVSE. This is usually the EVSE closest to the Payment Module.
3. Slide that EVSE's GFI Dip Switch number 3 to **Closed** to put it into ZigBee Setup Mode (**Figure 4**). After a few moments, all the lights on the Control Module will begin flashing, letting you know the EVSE is now in ZigBee Setup Mode.



Figure 5

4. Insert the test card that came with the Payment Module into the Payment Module card reader to put the module into test mode.



Figure 6

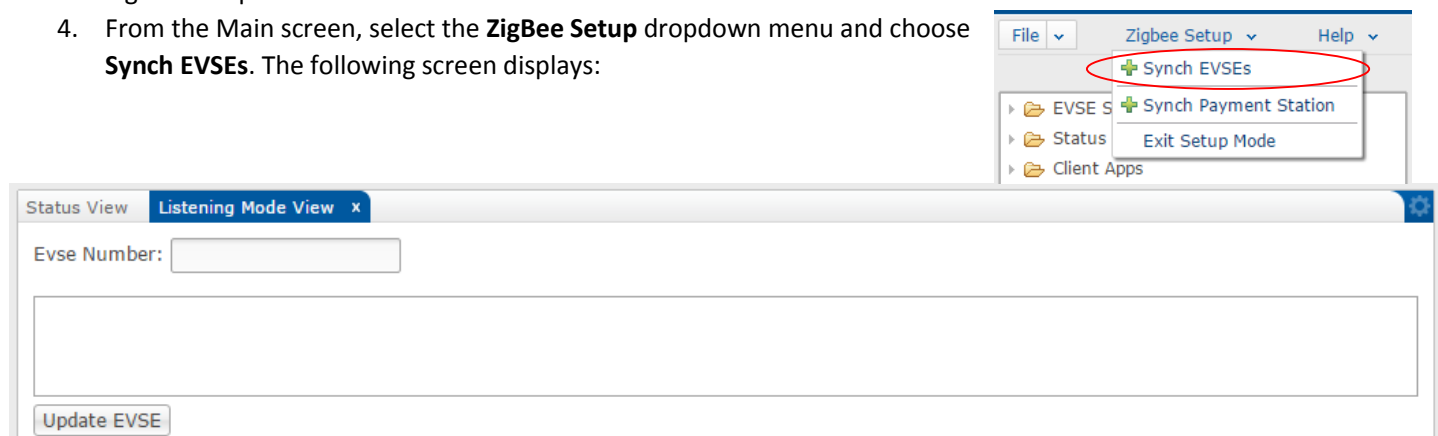
5. Using the Payment Module's Up and Down arrows, scroll through the choices until you display `Sync EVSEs` and press **Enter**. The Payment Module displays `Listening Mode`. It will now find the EVSE that you put into ZigBee Setup Mode. This might take a minute or two.
6. When the EVSE is found, `1 EVSE Detected` displays on the Payment Module.
7. Use the Up and Down arrows to highlight that EVSE and its ZigBee Module's identifying number and press **Enter**.
8. Use the Payment Module's keypad to enter a number for this EVSE. It will display in the `Number:` field. This is the number the customer will use when selecting an EVSE to use for charging. For example, if this EVSE is located in parking spot 33, assign it the number 33. **Note:** Use only numeric characters.
9. Press **Enter**.
10. The Payment Module updates this information, displays `EVSE Updated, 0 EVSEs Detected` and returns to `Listening Mode`. It is ready to discover the next EVSE to add to its network.
11. Slide that EVSE's Dip Switch 3 to the **Open** position. After a few moments, its Control Module will first show all lights on with no flashing, and then just the blue Power light will remain on. Replace that EVSE's cover.
12. Move to the next EVSE that will be part of this Payment Module's network. Repeat Steps 2-12 until all of this Payment Module's EVSE's have been added.
13. Once all EVSEs have been added, press **Clear** on the Payment Module to take it out of `Listening Mode` and return it to the Test Menu. Proceed to *Testing the ZigBee Mesh Network*.

**Note:** Adding an EVSE to an existing, operational network interrupts communication within the network while the Payment Module is in `Listening Mode`. Tracking Data that occurred during the time the Payment Module was in `Listening Mode` will be collected after the Payment Module returns to live operational mode. No data will be lost.

## Adding an EVSE Via the Web Browser Interface

You can also use the Web Browser interface to add an EVSE to a ZigBee Mesh Network. This can be useful if, for example, you have misplaced the Payment Module's test card. See *Logging In* on page 16 if you are not currently logged into the browser.

1. See the EVSE's installation guide for cover removal instructions and remove its cover.
2. Turn on the EVSE.
3. Slide that EVSE's GFI Dip Switch number 3 to **Closed** to put it into ZigBee Setup Mode (**Figure 4**). After a few moments, all the lights on the Control Module will begin flashing (**Figure 5**), letting you know the EVSE is now in ZigBee Setup Mode.
4. From the Main screen, select the **ZigBee Setup** dropdown menu and choose **Synch EVSEs**. The following screen displays:



5. The Payment Module is now in `Listening Mode` and will find the EVSE whose GFI dip switch number 3 has been set to **Closed**. Its ZigBee Module ID will display in the empty area of the screen. Highlight that ZigBee number and enter a number for the EVSE in the EVSE Number field. This field only accepts numeric characters.
6. Click **Update EVSE**.
7. Slide the EVSE's Dip Switch 3 to the **Open** position. After a few moments, its Control Module will first show all lights on with no flashing, and then just the blue Power light will remain on. Replace the EVSE's cover. Proceed to *Testing the ZigBee Mesh Network*.

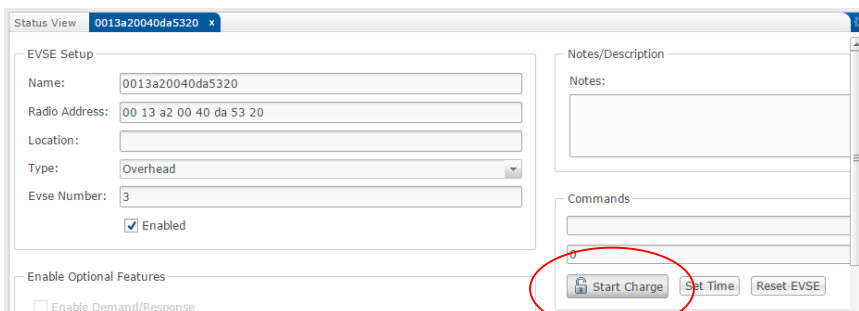
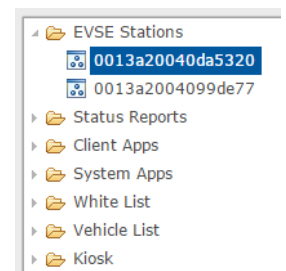
## Testing the ZigBee Mesh Network

1. Turn on the Payment Module.
2. Insert the test card that came with the Payment Module (**Figure 6**) into the Payment Module card reader to put the module into test mode and display the Test menu.
3. Use the Up and Down arrows to scroll to `EVSE Info` and press **Enter**.
4. Use the Up and Down arrows to scroll through the list of EVSEs connected to this Payment Module. Highlight an EVSE and press **Enter**.
5. The Payment Module sends a Charge message to that EVSE. If the message successfully went through, the yellow Connected light will be on on that EVSE's Control Module. It will remain on for five minutes. At this point you can plug the EVSE's cable into a tester to check that a charge is actually occurring, or connect it to a car to check charging.
6. Remove any EVSE from the Payment Module's network that did not receive the Charge message and repeat Steps 2-12 in *Setting Up a ZigBee Network*.
7. To remove an EVSE, press **CLR** on the Payment Module to return to the Test menu and use the Up and Down arrows on the Payment Module to scroll to `Clear EVSE Number`.
8. Press **Enter**.
9. Scroll through the EVSE list, highlight the one to remove and press **Enter**. You can now add this EVSE back into the Payment Module's network.
10. Once testing is complete, press **CLR** once more on the Payment Module to put it into regular operating mode.

## Testing the ZigBee Mesh Network Via the Web Interface

If you have misplaced the Payment Module's test card, you can test the network via the Web Interface Browser. It is assumed you have logged into the browser. See *Logging In* on page 16 for more information.

1. Turn on the Payment Module.
2. From the Main menu, expand the EVSE list and highlight the EVSE you just added. The following screen displays:



3. Click **Start Charge**.
4. The Payment Module sends a Charge message to that EVSE. If the message successfully went through, the yellow Connected light will be on on that EVSE's Control Module. At this point you can plug the EVSE's cable into a tester to check that a charge is actually occurring, or connect it to a car to check charging.
5. After test completes, click **Stop Charge**.
6. Remove any EVSE from the Payment Module's network that did not receive the Charge message and repeat Steps 2-12 in *Setting Up a ZigBee Network*.
7. To remove an EVSE, highlight that EVSE on the EVSE Stations dropdown list and click **Delete EVSE** on the bottom of the screen you used to test the charge.

Repeating Intervals

Heartbeat(sec): 60

Export Power interval: 5

Save changes Delete EVSE

## Replacing a ZigBee Mesh Payment Module

In the event that you need to replace a Payment Module, install it as discussed in the 3725 series of Installation Sheets. After installation, perform the following steps to synch it back up with the existing ZigBee Mesh Network of EVSEs. You can perform these steps via the Payment Module itself, or the Web Browser Interface.

### Via the Payment Module

1. Make sure the power is on to all the EVSEs in this Payment Module's network.
2. Choose an EVSE closest to this Payment Module. Refer to that EVSE's installation guide for cover removal instructions and remove its cover.
3. Slide that EVSE's GFI Dip Switch number 3 to **Closed** to put it into ZigBee Setup Mode (**Figure 4**). After a few moments, all the lights on the Control Module will begin flashing, letting you know the EVSE is now in ZigBee Setup Mode (**Figure 5**).
4. Turn on the Payment Module.
5. Insert the test card that came with the Payment Module (**Figure 6**) into the Payment Module card reader to put the module into test mode and display the Test menu.
6. Using the Payment Module's Up and Down arrows, scroll through the choices until you display `Sync EVSEs` and press **Enter**. The Payment Module displays `Listening Mode`. It will now find the EVSE that you put into ZigBee Setup Mode. This might take a minute or two.
7. When the EVSE is found, `1 EVSE Detected` displays on the Payment Module.
8. The Payment Module can now find all the EVSEs associated with its network. These EVSEs begin displaying their ZigBee Module numbers on this screen. Once they have all displayed, **Open** Switch 3 on the EVSE's GFI. Its Control Module will first show all lights on with no flashing, and then just the blue Power light will remain on.
9. Replace the EVSE's cover. The network can now resume regular functions.
10. Press **Clear** on the Payment Module to put it into regular operating mode.

### Via the Web Browser Interface

1. Make sure the power is on to all the EVSEs in this Payment Module's network.
2. Choose an EVSE closest to this Payment Module. Refer to that EVSE's installation guide for cover removal instructions and remove its cover.
3. Slide that EVSE's GFI Dip Switch number 3 to **Closed** to put it into ZigBee Setup Mode (**Figure 4**). After a few moments, all the lights on the Control Module will begin flashing, letting you know the EVSE is now in ZigBee Setup Mode (**Figure 5**).
4. See *Logging In* on page 16 and log into the Web Browser.
5. From the main Web browser screen, select the **ZigBee Setup** dropdown menu and click **Synch Payment Station**. The following screen displays:



6. The Payment Module can now find all the EVSEs associated with its network. These EVSEs begin displaying their ZigBee Module numbers in the blank area of this screen. Once they have all displayed, **Open** Switch 3 on the EVSE's GFI. Its Control Module will first show all lights on with no flashing, and then just the blue Power light will remain on.
7. Replace the EVSE's cover. The network can now resume regular functions.

## Web Browser Interface Operation

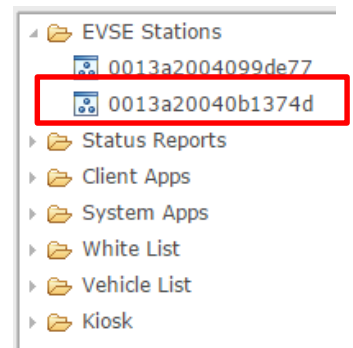
The Web Interface allows you to manage the EVSE network and configure various options associated with each EVSE and payment module. In addition, it allows you to view current status and historical information that has been accumulated by the payment module from each EVSE.

### Changing EVSE Assigned Numbers (Serial Connection)

1. From the main screen, expand your list of EVSEs from the EVSE Station dropdown list and click the EVSE number you want to change. The following screen displays:

The screenshot shows the 'EVSE Setup' configuration page for station 0013a20040b1374d. The fields are as follows:

- Name: 0013a20040b1374d
- Radio Address: 00 13 a2 00 40 b1 37 4d
- Location: (empty)
- Type: Overhead
- Evse Number: 2 (highlighted with a red box)
- Enabled:



2. Enter your preferred number and click **Save Changes** at the bottom of the screen.

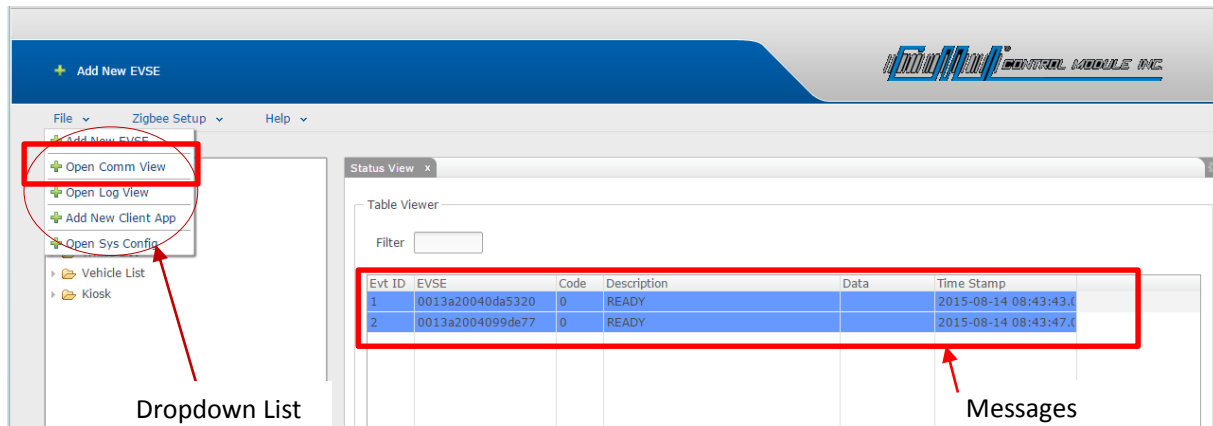
**Note:** You will not be able to log back into the Payment Module's Web Browser page for approximately five minutes.



## Viewing EVSE Status and Messages

Once you have successfully logged in you will be brought to the EVSE status screen, which provides a list of all EVSEs in the system, as well as their current status.

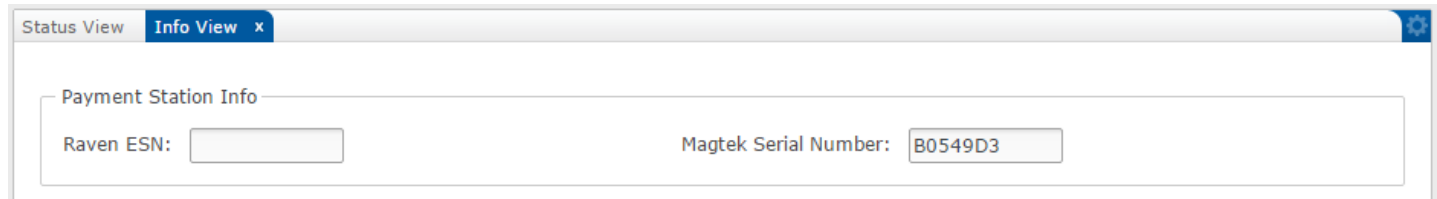
1. Select **File** in the top left corner of the screen to get a dropdown list.



2. From the dropdown, select **Open Comm View**. This screen will automatically update to display any messages sent to or received from the EVSEs.

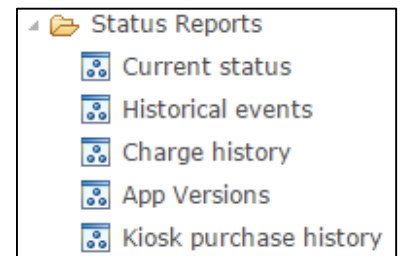
## Viewing Payment Module Information

You can view the ID number of the Payment Module's Magtek reader and, if applicable, the Raven cellular modem's ESN number. From the Help dropdown menu, click **Info**. The following screen displays:



## Status Reporting

The Status Report navigation tree allows users to view the current status of all EVSEs, review historical communication events, historical charge status and the current version of installed applications. You can export history and charging reports to your desktop. From the Main screen, click the ► arrow next to the **Status Reports** folder to expand and view available reports.



## Current Status

Current Status view provides a color-coded list of all EVSEs and their current state.

Table Viewer

Filter

Evt ID	EVSE	Code	Description	Data	Time Stamp
1	00 13 a2 00 40 b1 37 4 0	0	READY		2015-05-29 11:43:18.0
2	00 13 a2 00 40 99 de 7 0	0	READY		2015-05-29 11:43:21.0
3	00 13 a2 00 40 c4 2a c 5	5	HEARTBEAT EXPIRED		2015-05-12 10:32:31.0

## Historical Events

The historical events view allows users to display a list of the events that were received by the Payment Module from each EVSE or a specified EVSE for the specified date range. Once a list of events is retrieved, specific events can be located by using the free-form text filter. Use the **Export** button to send this information into an Excel file.

Table Viewer

Filter  EVSE  From:  To:   [Export](#)

Evt ID	EVSE	Code	Description	Data	Time Stamp
35998	0013a20040c27298	DISCON	CABLE DISCONNECTED	CABLE DISCONI	2016-01-26 13:40:09.0
35995	0013a20040c27298	MTR	MTR 17.752 160126134004	17.752	2016-01-26 13:40:04.0
35996	0013a20040c27298	CHARG	CHARGE STOP		2016-01-26 13:40:04.0
35997	0013a20040c27298	OK	CABLE OK	CABLE OK	2016-01-26 13:40:04.0

## Charge History

Similar to historical events, charge history allows users to search for completed charge events. The charge event indicates the total power consumed by the vehicle, the vehicle ID if available, the driver ID if available, and the date/time of the event. Use the **Export** button to send this information into an Excel file.

Table Viewer

Filter  EVSE  From:  To:   [Export](#)

ID	EVSE NAME	Vehicle ID	Driver ID	Power WHr	Mileage	VIN	Start Time	Stop Time
392	0013a20040c27298			4.72	0		1/26/16 1:33:41 PM	1/26/16 1:40:04 PM
391	0013a20040c27298		free	0.0	0		1/26/16 1:32:48 PM	1/26/16 1:33:40 PM
390	0013a20040c27298			2.877	0		1/26/16 1:27:55 PM	1/26/16 1:29:51 PM
389	0013a20040c27298			1.379	0		1/26/16 1:26:23 PM	1/26/16 1:27:53 PM

## App Versions

Lists the current versions of applications installed on your system.

Versions

App Name	Version
System	9923-002
WebApp	1.0.0.26
PostOffice	1.0.0.34
OcppWebServices	1.0.0.13
OcppApp	1.0.0.13
ADR-KIOSK-APP	1.0.1.0

## Kiosk Purchase History

Similar to Charge History, Purchase History allows users to search for completed purchase events. The event indicates the total dollars purchased at an EVSE, the total minutes purchased, if the purchase was successful, and the date/time of the purchase. For cards with a preset value, their expiration date/time displays in the **Expiration** column. Use the **Export** button to send this information into an Excel file.

Status View **Purchase History View** x

Table Viewer

Success  EVSE Number  From:  To:   [Export](#)

Payment Type	EVSE Number	Minutes	Total	Success	Purchase Time	Expiration
Free Use	3	0	\$0.00	true	1/25/16 10:20:52 AM	1/25/16 10:25:52 AM
Free Use	1	0	\$0.00	true	1/25/16 10:20:44 AM	1/25/16 10:25:44 AM
Free Use	2	0	\$0.00	true	1/25/16 10:03:43 AM	1/25/16 10:08:43 AM
Free Use	1	0	\$0.00	true	12/23/15 6:56:58 AM	
Free Use	2	0	\$0.00	true	12/17/15 1:18:46 PM	

## Connecting to a Network Management System

If you are using a network management system (NMS) as part of your setup, you need to set up communication between the Payment Module and the NMS.

1. From the Main screen, click the ► arrow next to the **Client App** folder to expand it and click **OcppApp**. The following screen displays.

2. Click the **Enable Client Application** checkbox.
3. Click **Save**.
4. Click **OcppWebServices**.

5. Click the **Enable Client Application** checkbox.
6. Click **Save**.
7. You must now reset the Payment Module. Click **File** and select **Open Sys Config** from the dropdown list. The following screen displays:

8. Click **Reset Gateway**. The Payment Module resumes operation in approximately 30 seconds.

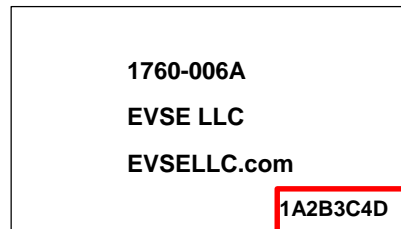
**Note:** You will not be able to log back into the Payment Module's Web Browser page for approximately five minutes.

## White List

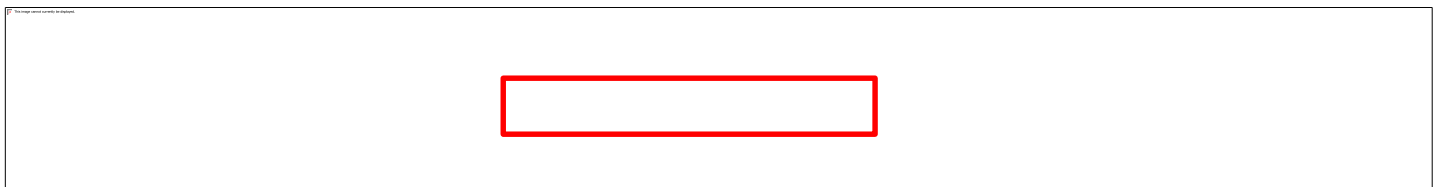
The white list provides a mechanism that allows EVSEs to turn on only for valid drivers, vehicles and Employee/Student ID RFID cards. When a card is swiped at the EVSE and it is not already charging a vehicle, it transmits the card data to the Payment Module with an indicator informing the module if the card passed or failed local validation against the white list in the EVSE. In the case of a card failure, to validate, the module determines if this card is valid in its white list and if so, loads the card into the EVSE and issues a Charge Start command.

### Adding RFID Cards

RFID cards each have a unique number in the bottom right corner. You need to add this number into the system before it can be configured into the White List.



From the Main screen, click the ► arrow next to the **White List** folder to expand it, click **White List** and the *White List View* tab. The following screen displays.

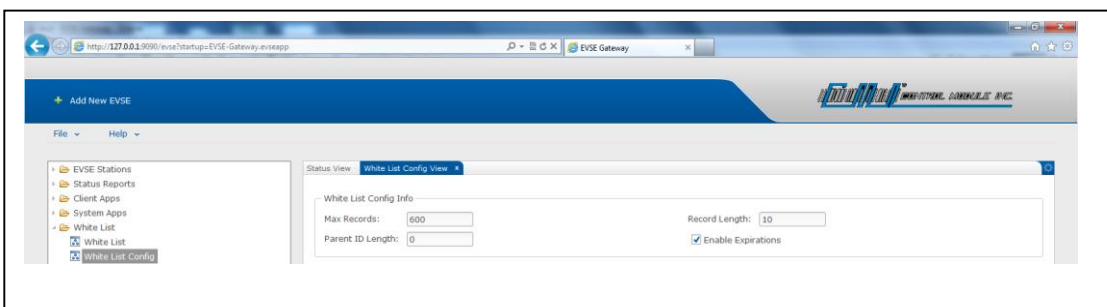


1. Enter the number from the RFID card in the *Card Number* field.
2. If this card is to be used only once, click the *One Time Use* box. Otherwise, you can leave all boxes unchecked if the card never expires or click the *Expires* box and enter the card's expiration date.
3. Click **Save**. Now if you enter the card's number in the field under the *Table Viewer* section, it will display.

### Configuring the White List

Configuring the white list is done through the **White List Config** screen, which provides the following fields:

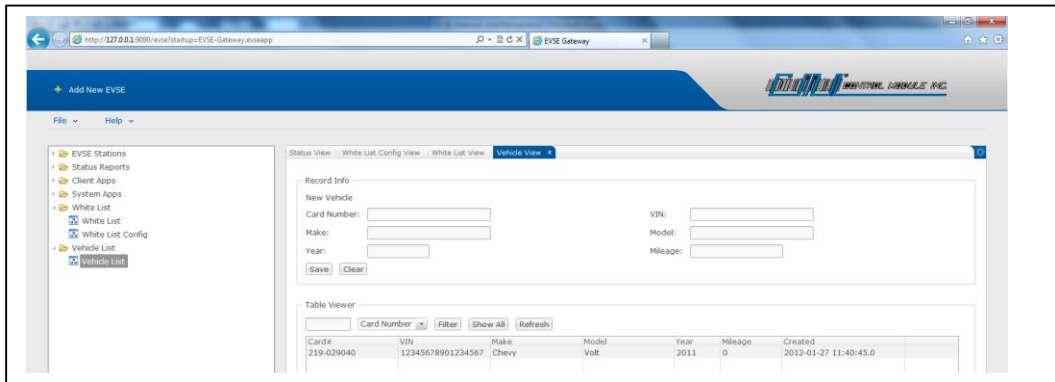
- Maximum Records to allocate in the white list (EVSE allocation)
- Record or card data length (MiFare RFID card length is 10 characters; MiFare Plus is 14 characters)
- Parent ID card data length – Optional identifier that can be used to group cards together)
- Option to enable cards to expire after an expiration date



1. From the expanded White List folder, click **White List Config** and the *White List Config View* tab.
2. Fill in the fields and click **Save changes**.

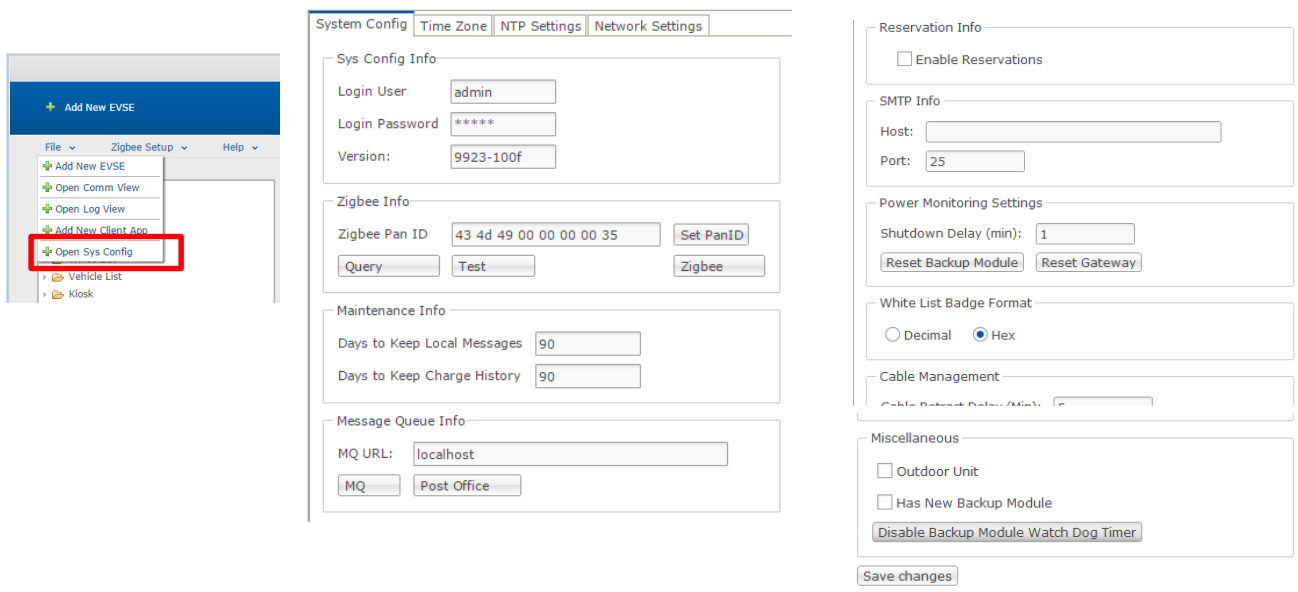
## Vehicle List

Vehicle identification is accomplished by mapping a white list card to a vehicle. This is done through the use of the Vehicle List screen. Essentially, this adds or associates a white list card to the system mapped by the Payment Module to a particular vehicle. Vehicle information is tied to the card so it can be reported in the Charge History table.



## System Configuration

To display the System Configuration screen, click **File** and select **Open Sys Config** from the dropdown list.



The System Configuration screen provides setup information for the Payment Module, allowing you to configure options such as:

- Username used to access the web console.
- Password used to access the web console.
- Version - refers to the system currently installed.
- ZigBee PAN ID – Network ID that is assigned to all radios in the network during ZigBee Mesh Network setup.
- SetPANID button – configures the USB ZigBee radio to use the preset PAN ID (used if replacing the USB ZigBee radio).
- Query ZigBees button – sends a query to all EVSE radios to retrieve system status.
- Test ZiBee – Queries ZigBee to make sure communication is working properly.
- Days to keep local messages – retention period for status events.

- Days to keep charge history – retention period for charge history.
- MQ URL - tcp://localhost:61616 – specifies the connection information for the Payment Module messaging interface.

**Note:** This value should *not* be modified unless directed to do so by Customer Support personnel.

- MQ Test – Tests Message Queue operations.
- Post Office Test – Tests the message sorting portion to make sure it's working properly.
- Reservation Info – Enables/disables being able to reserve EVSEs over OCPP Web Services.
- Reset Gateway – Resets the Payment Module.
- White List Badge Format – Specifies the format to use for White List Badges; for both manual entry and OCPP transactions.
- Cable Management – Sends a Charge Stop message to an EVSE who's dropped cable has not started charging after a specified time.

Enter your changes and click **Save Changes**. You can also change your time zone via the **Time Zone** tab.

## Network Time Protocol (NTP) Settings

NTP is a standard Internet protocol used to keep devices in synch with a common standard time. This will ensure that data collected for the Payment Station is in synch with this common standard time. Ask your IT person for the NTP Server's IP Address that the Payment Station will keep its time synched with. Click **Save** to add the new address. Use **Refresh** to display the new IP address. Use **Set Time** to immediately update the PC's time with the NTP server.

**Note:** **Set Time** uses the saved IP Address, so if you change the IP, you need to make sure to save it before pressing this button.

After saving the NTP Server IP, click **Set Time** to synch the time. After that, the synch is automatically done daily.

## Network Settings

Use this screen to enter custom network settings that you have received from your IT department. If you want to remove the ability to return to factory settings, click **Disable Default IP**. If you want the ability to return to factory settings, click **Enable Default IP**. Note that enabling default is the factory setting. This allows you to update your network settings while still allowing the 192.168.13.99 IP address to access the Payment Station until the you disable it. This is useful in case you incorrectly enter the IP Address when changing it. You can then access the Payment Station/Gateway to fix it.

## Kiosk Configuration

To display the Kiosk configuration screens, from the Main screen, click the ► arrow next to the **Kiosk** folder to expand and click **Payment Options**. The Kiosk Configuration screen displays.

The screenshot shows the Kiosk Configuration interface. On the right, a navigation tree lists folders like EVSE Stations, Status Reports, Client Apps, System Apps, White List, Vehicle List, Kiosk, and Payment Options. The 'Kiosk' folder is expanded, and 'Payment Options' is selected. The main content area has tabs for Settings, Charge Types, Pricing Options, Pricing Schedule, and Languages. The 'Payment Options' tab is active, showing a list of options with checkboxes and 'Setup' buttons: External Credit Card Validator, Prepay With Credit Cards, Post Pay With Credit Cards, Pay Per Charge With Credit Cards, Member Card, External Member Card Validator, Liberty Plug-In, MDB Board, and Free Use. Below this are input fields for Kiosk Title (Watt Stations), Reserve Length (5 minutes), and Cable Adjust Length (5 minutes). At the bottom, there are 'Save changes' and 'Push to App' buttons. A text box on the right explains that the 'Setup' buttons become live after clicking 'Save Changes'.

The Kiosk Configuration screen provides setup information for the Payment Module payment options, allowing you to configure options such as:

- External Credit Card Validator - Authorizes the credit card via an extended version of OCPP 1.5.  
**Note:** This requires a client application to work successfully.
- Prepay With Credit Cards - The customer selects the amount of time they need to purchase and they're allowed to charge for that length of time; once a customer disconnects, the session ends and the charge is deactivated until the next purchase.
- PostPay With Credit Cards - A hold is put on a customer's credit card and they're allowed to begin charging; once the session ends, the length of time they were charging is totalled and charged against their credit card.
- Pay Per Charge With Credit Cards - A customer is charged a flat fee and they are allowed to charge as long as they'd like; once a customer disconnects, the session ends and the charge is deactivated until the next purchase.
- Employee/Student ID – Works with RFID cards. You must add this card ID to the White List to make it valid. See White List on page 25 for more information.
- External Employee/Student ID Validator – Used with third-party OCPP servers.
- MDB Board - Works like the Prepay With Credit Cards option, but works with customer-specific cards.
- Free Use - Allows customers to charge for free.  
**Note:** This option is automatically disabled at the Payment Station if any other payment method is selected.
- Show Event Action Screen - If DR (Demand Response) is enabled, this should be checked so the customer can select their option.
- Show Confirmation Screen - Enables/disables a final confirmation screen before asking the customer to pay.
- End Session After EVSE Reset - If this is enabled, a charge session is automatically disabled when the EVSE is offline for over 5 minutes.
- Kiosk Title - This is what is displayed on the top line of the idle prompt (Max 20 characters).

- Reserve Length - After a purchase, an EVSE is reserved for a certain length of time to prevent two customers from accidentally purchasing time on the same EVSE. This value is the same as the *Cable Retract Timer* field in the System Configuration screen.
- Cable Adjust Length - If a customer tries to plug in their vehicle, but they don't think it was seated properly, even if the charge was started, they can unplug and seat the cable again without the session being ended. The charge still stops and if it was a motorized unit, the cable will attempt to retract, but the Payment Station will send another Charge Start to the EVSE.

Use the tabs at the top to access the remainder of the screens discussed in this section. For each screen, enter your changes and click **Save Changes**. When you have finished all your changes, click **Push To App** to update the running system.

## Payment Considerations

On the average, companies are charging \$1 per hour, with a few charging \$2. Many add signs with 3-4 hour limits to ensure the charger is available for other EV drivers. At 18 cents per kilowatt hour, it costs about 60 cents per hour or \$2.40 to \$2.52 for 4 charging hours. How much mileage each charging hour adds to the car's battery depends upon the EV model the customer is driving.

## Charge Type

This screen allows you to select what charge levels to offer your customers at your Payment Stations. L2 = Fast charge; L1 = Slow charge.

## Pricing Options

This screen allows you to configure the following options:

- Type – L1=Level 1 slow charge; L2 = Level 2 fast charge (Default)
- Description – What displays for the user when selecting Charge Level/Event Action
- Unit of Measure – Displays how the customer will be charged
- Peak Price – Price charged during peak times
- Non-Peak Price – Price charged during normal business hours
- Price Code – Assures the customer is charged what the display is showing (Admin use only)
- DR Code – 1 = the base price (Admin use only)
- Language – Supports multiple languages for the Payment Module's display.

Enter a peak price and non-peak price. If not using a peak price, enter the same dollar amount in both fields.

Type	Unit of Measure	Peak Price	Non Peak Price	Price Code	DR Code
L2	hour	\$0.00	\$0.00	12	1
L2	hour	\$0.00	\$0.00	12	1



## Pricing Schedule

Use this screen to specify the times that will charge peak prices.

Settings	Charge Types	Pricing Options	Pricing Schedule	Languages
Pricing Option				
ID:	<input type="text"/>			
Day Of Week:	Sunday			
Peak Start:	12:00AM	Peak End:	12:00AM	
<input type="button" value="Save"/> <input type="button" value="Clear"/> <input type="button" value="Delete"/>				
Day Of Week	Peak Start	Peak End		
Sunday	02:00P	02:00P		
Monday	02:00P	02:00P		
Tuesday	02:00P	02:00P		
Wednesday	02:00P	02:00P		
Thursday	02:00P	02:00P		
Friday	02:00P	02:00P		
Saturday	02:00P	02:00P		

## Languages

Use the **Languages** tab to select your country's language for display. English is the default.

Settings	Charge Types	Pricing Options	Pricing Schedule	Languages
Refresh				
<input checked="" type="checkbox"/> English				
<input type="checkbox"/> Francais				
Save changes				

## Setting Up Credit Cards

Click **Setup** next to either *Prepay With Credit Cards*, *Post Pay With Credit Cards*, *Pay Per Charge With Credit Cards*, *External Credit Card Validator* or *MBD Board* on the Kiosk Payment Option screen to display the screens used in this section. This section discusses setting up the following:

- Credit Cards
- External Credit Cards
- MDB Credit Card Names

## Credit Card Setup

Credit card processing for the Payment Module is handled through USA Technologies. Make sure you have an account with them before you continue.

Status View	Kiosk Payment Options View	Kiosk Credit Card View
Credit Card Reader Data		
Serial Number:	K3MTB00BD80	User Name: usat
Password:	12559672	URL: https://ec-ecc.usatech.com:9443/soap/ec
Misc Options		
Time Select Interval (Minutes):	15	
PreAuth:	5.0	
Save changes		

- Serial Number – The system adds this number automatically. If, for some reason, you need to add it manually, you'll need to obtain the serial number of the MagTek credit card reader from the back of the Payment Module. Add **K3MT** to the *card reader's serial number*. For example, the identifier for the reader below would be **K3MTB27E9D8**. The number will also be the identifier reported on all financial reports that you receive.



- User Name and Password - Leave the User Name as **usat** and the Password as is so USA Technologies can update the password the first time you log in.
- URL - This is USA Technology's URL.
- Time Select Interval – The interval the time goes up when the user is selecting the amount of time they'd like to purchase
- PreAuth – How much hold charge should be placed on the customer's credit card. (Used with **Post Pay With Credit Cards** option only.)

## External Credit Card Setup

These fields are used for querying price information and for customers that don't use DR. Deselecting Send DR Data will leave those fields blank when authorizing.

## MDB Setup

This is the card name displayed when the customer selects Payment Type at the Payment Station, since customers might have different names for each of their cards.

## Moving, Transporting And Storage:

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**WARNING:**

**Ensure electrical power has been shut-off at the source before working with electrical wiring.**



**AVERTISSEMENT :**

**Assurer l'alimentation électrique a été fermeture à la source, avant de travailler avec câblage électrique.**

- Should the Model 3725-104 Payment Module need to be relocated, remove the unit in the reverse order that it was installed.
- Bag all attaching hardware and secure on/in the unit.
- Store the unit in a dry, low humidity area.
- Protect the unit using appropriate packaging.

## Customer Support

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Should questions about installation, operation, optional features, maintenance or service arise, please call Technical Support at 1-888-753-8222 between the hours of 8:30 am to 5:00 pm EST, Monday to Friday.

Letter                      Service Department  
                                  Attn: Jack Batalha, Director Product Support  
                                  Control Module Inc.  
                                  89 Phoenix Avenue  
                                  Enfield, CT 06082

Fax                            1-860-741-6064

e-mail                      [jbatalha@controlmod.com](mailto:jbatalha@controlmod.com)

## Warranty

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FOB Enfield, CT

EVSE proprietary hardware products are warranted to be free from defects in materials and workmanship for a period of 1 (one) year from the date of receipt of the product. Customer can report an Equipment defect to the Control Module Service Division by (a) telephone between 8:00 A.M. and 4:30 P.M. (EST), Monday through Friday, excluding Control Module holidays, or (b) through the support website.

Telephone number: 800-527-4998

Email address: service@controlmod.com

The foregoing warranty does NOT include:

- Furnishing supplies for, painting or refinishing the product.
- Electrical work external to such product.
- Installation, maintenance or removal of alterations, attachments or other devices not furnished by EVSE, LLC.
- Services which cannot be practicably performed due to alterations in or attachments to the product.
- Services for accessories.
- Repair or replacement of defective product to the extent the defect is attributable to:
  - Neglect or misuse (including use of the product for purposes other than that for which it was designed)
  - Transportation, vandalism or burglary of the product, acts of terrorism, accident or disaster, or other external causes (including water, wind, lightning and dust)
  - Alterations to the product or servicing of the product by a third party
- The foregoing warranty shall also not apply to the extent the defect in the product is due to the use of the product in conjunction with other products not manufactured by EVSE or to product from which the serial number has been altered, defaced or removed. This warranty extends only to the original purchaser of the product. It may not be assigned to any third party.

**Disclaimer of All Other Warranties:** THE WARRANTY SET FORTH ABOVE IS THE SOLE WARRANTY THAT EVSE PROVIDES WITH RESPECT TO THE EQUIPMENT. CUSTOMER ACKNOWLEDGES THAT CMI EXPRESSLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY WARRANTY OF MERCHANTABILITY, NON-INFRINGEMENT OR FITNESS FOR A PARTICULAR USE OR PURPOSE, OR ANY WARRANTY IMPLIED THROUGH COURSE OF CUSTOM OR USAGE OF TRADE.

**Disclaimer of Liability:** IN NO EVENT SHALL EVSE BE LIABLE TO CUSTOMER OR ANY THIRD PARTY CLAIMING THROUGH CUSTOMER FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING, WITHOUT LIMITATION, LOSS OF EARNINGS, PROFIT OR GOODWILL OR COSTS OF COVER, IN EACH CASE RELATING TO THIS WARRANTY OR TO THE EQUIPMENT, EVEN IF SUCH DAMAGES WERE FORESEEABLE AND EVEN IF THIS WARRANTY FAILS OF ITS ESSENTIAL PURPOSE.

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