




## Introduction

### Purpose

This manual provides instructions for installing Orpak™'s Payment Terminal (OrPT) Barcode Kit and Cover (M09680B136).

 <b>WARNING</b> Verify that the cabinet/pedestal is disconnected from power supply during the course of the procedure.
--

### Intended Users

This manual is intended for Gasboy®-trained and certified Authorized Service Contractors (ASCs).

### Table of Contents

Topic	Page
<a href="#">Introduction</a>	1
<a href="#">Important Safety Information</a>	3
<a href="#">Installing OrPT Barcode Kit and Cover</a>	5

### Required Tools

To install the OrPT Barcode Kit and cover, you require a screwdriver.

### Parts List

Following table lists the parts included in the OrPT Barcode Kit:

Item	Description	Orpak Part Number	Quantity
1	Barcode Reader, Hand Held Products (HHP)	813113200	1
2	Card Reader Cover, OrPT Panel	814941200	1
3	Barcode Holder, OrPT Panel	814941400	1
4	Nut, M3	815102500	2
5	Screw, M3 X 8 (including Spring and Flat Washer)	815225200	4
6	Harness Barcode Reader, OrPT	819122525	1

## Related Documents

Document Number	Title	GOLD <sup>SM</sup> Library
MDE-4819	OrPT Gasboy's Payment Terminal INSTALLATION, SETUP AND OPERATION MANUAL FOR HOME-BASE STATIONS	Gasboy
PT-1963	Gasboy Fleet Plus Illustrated Spare Parts Manual	Gasboy Fleet PLUS systems

## Abbreviations and Acronyms

Term	Description
ASC	Authorized Service Contractor
FHO	Fleet Head Office
GOLD	Gilbarco® Online Documentation
HHP	Hand Held Products
LAN	Local Area Network
OrPT	Orpak's Payment Terminal
OSHA	Occupational Safety and Health Administration

# Important Safety Information

**Notes:** 1) *Save this Important Safety Information section in a readily accessible location.*

2) *Although DEF is non-flammable, Diesel is flammable. Therefore, for DEF cabinets that are attached to Diesel dispensers, follow all the notes in this section that pertain to flammable fuels.*

This section introduces the hazards and safety precautions associated with installing, inspecting, maintaining or servicing this product. Before performing any task on this product, read this safety information and the applicable sections in this manual, where additional hazards and safety precautions for your task will be found. Fire, explosion, electrical shock or pressure release could occur and cause death or serious injury, if these safe service procedures are not followed.


## Preliminary Precautions


You are working in a potentially dangerous environment of flammable fuels, vapors, and high voltage or pressures. Only trained or authorized individuals knowledgeable in the related procedures should install, inspect, maintain or service this equipment.

## Emergency Total Electrical Shut-Off

The first and most important information you must know is how to stop all fuel flow to the pump/dispenser and island. Locate the switch or circuit breakers that shut off all power to all fueling equipment, dispensing devices, and Submerged Turbine Pumps (STPs).

**⚠ WARNING**

 The EMERGENCY STOP, ALL STOP, and PUMP STOP buttons at the cashier's station WILL NOT shut off electrical power to the pump/dispenser. This means that even if you activate these stops, fuel may continue to flow uncontrolled.

 You must use the TOTAL ELECTRICAL SHUT-OFF in the case of an emergency and not the console's ALL STOP and PUMP STOP or similar keys.

## Total Electrical Shut-Off Before Access

Any procedure that requires access to electrical components or the electronics of the dispenser requires total electrical shut off of that unit. Understand the function and location of this switch or circuit breaker before inspecting, installing, maintaining, or servicing Gasboy equipment.

## Evacuating, Barricading and Shutting Off

Any procedure that requires access to the pump/dispenser or STPs requires the following actions:



- An evacuation of all unauthorized persons and vehicles from the work area
- Use of safety tape, cones or barricades at the affected unit(s)
- A total electrical shut-off of the affected unit(s)

## Read the Manual

Read, understand and follow this manual and any other labels or related materials supplied with this equipment. If you do not understand a procedure, call a Gasboy Authorized Service Contractor or call the Gasboy Service Center at 1-800-444-5529. It is imperative to your safety and the safety of others to understand the procedures before beginning work.

## Follow the Regulations

Applicable information is available in National Fire Protection Association (NFPA) 30A; *Code for Motor Fuel Dispensing Facilities and Repair Garages*, NFPA 70; *National Electrical Code (NEC)*, Occupational Safety and Health Administration (OSHA) regulations and federal, state, and local codes. All these regulations must be followed. Failure to install, inspect, maintain or service this equipment in accordance with these codes, regulations and standards may lead to legal citations with penalties or affect the safe use and operation of the equipment.

## Replacement Parts

Use only genuine Gasboy replacement parts and retrofit kits on your pump/dispenser. Using parts other than genuine Gasboy replacement parts could create a safety hazard and violate local regulations.

## Safety Symbols and Warning Words

This section provides important information about warning symbols and boxes.

### Alert Symbol



This safety alert symbol is used in this manual and on warning labels to alert you to a precaution which must be followed to prevent potential personal safety hazards. Obey safety directives that follow this symbol to avoid possible injury or death.

### Signal Words

These signal words used in this manual and on warning labels tell you the seriousness of particular safety hazards. The precautions below must be followed to prevent death, injury or damage to the equipment:



**DANGER:** Alerts you to a hazard or unsafe practice which will result in death or serious injury.



**WARNING:** Alerts you to a hazard or unsafe practice that could result in death or serious injury.



**CAUTION with Alert symbol:** Designates a hazard or unsafe practice which may result in minor injury.

**CAUTION without Alert symbol:** Designates a hazard or unsafe practice which may result in property or equipment damage.

## Working With Fuels and Electrical Energy

### Prevent Explosions and Fires

Fuels and their vapors will explode or burn, if ignited. Spilled or leaking fuels cause vapors. Even filling customer tanks will cause potentially dangerous vapors in the vicinity of the dispenser or island.

DEF is non-flammable. Therefore, explosion and fire safety warnings do not apply to DEF lines.

## Important Safety Information

### No Open Fire



Open flames from matches, lighters, welding torches or other sources can ignite fuels and their vapors.

### No Sparks - No Smoking



Sparks from starting vehicles, starting or using power tools, burning cigarettes, cigars or pipes can also ignite fuels and their vapors. Static electricity, including an electrostatic charge on your body, can cause a spark sufficient to ignite fuel vapors. Every time you get out of a vehicle, touch the metal of your vehicle, to discharge any electrostatic charge before you approach the dispenser island.

### Working Alone

It is highly recommended that someone who is capable of rendering first aid be present during servicing. Familiarize yourself with Cardiopulmonary Resuscitation (CPR) methods, if you work with or around high voltages. This information is available from the American Red Cross. Always advise the station personnel about where you will be working, and caution them not to activate power while you are working on the equipment. Use the OSHA Lockout/Tagout procedures. If you are not familiar with this requirement, refer to this information in the service manual and OSHA documentation.

### Working With Electricity Safely

Ensure that you use safe and established practices in working with electrical devices. Poorly wired devices may cause a fire, explosion or electrical shock. Ensure that grounding connections are properly made. Take care that sealing devices and compounds are in place. Ensure that you do not pinch wires when replacing covers. Follow OSHA Lockout/Tagout requirements. Station employees and service contractors need to understand and comply with this program completely to ensure safety while the equipment is down.

### Hazardous Materials

Some materials present inside electronic enclosures may present a health hazard if not handled correctly. Ensure that you clean hands after handling equipment. Do not place any equipment in the mouth.

#### WARNING

The pump/dispenser contains a chemical known to the State of California to cause cancer.

#### WARNING

The pump/dispenser contains a chemical known to the State of California to cause birth defects or other reproductive harm.

## In an Emergency

### Inform Emergency Personnel

Compile the following information and inform emergency personnel:

- Location of accident (for example, address, front/back of building, and so on)
- Nature of accident (for example, possible heart attack, run over by car, burns, and so on)
- Age of victim (for example, baby, teenager, middle-age, elderly)
- Whether or not victim has received first aid (for example, stopped bleeding by pressure, and so on)
- Whether or not a victim has vomited (for example, if swallowed or inhaled something, and so on)

#### WARNING



Gasoline/DEF ingested may cause unconsciousness and burns to internal organs. Do not induce vomiting. Keep airway open. Oxygen may be needed at scene. Seek medical advice immediately.

#### WARNING

DEF generates ammonia gas at higher temperatures. When opening enclosed panels, allow the unit to air out to avoid breathing vapors. If respiratory difficulties develop, move victim away from source of exposure and into fresh air. If symptoms persist, seek medical attention.

#### WARNING



Gasoline inhaled may cause unconsciousness and burns to lips, mouth and lungs. Keep airway open. Seek medical advice immediately.

#### WARNING



Gasoline/DEF spilled in eyes may cause burns to eye tissue. Irrigate eyes with water for approximately 15 minutes. Seek medical advice immediately.

#### WARNING



Gasoline spilled on skin may cause burns. Wash area thoroughly with clear water. Seek medical advice immediately.

#### WARNING

DEF is mildly corrosive. Avoid contact with eyes, skin, and clothing. Ensure that eyewash stations and safety showers are close to the work location. Seek medical advice recommended treatment if DEF spills into eyes.

**IMPORTANT:** Oxygen may be needed at scene if gasoline has been ingested or inhaled. Seek medical advice immediately.

### Lockout/Tagout

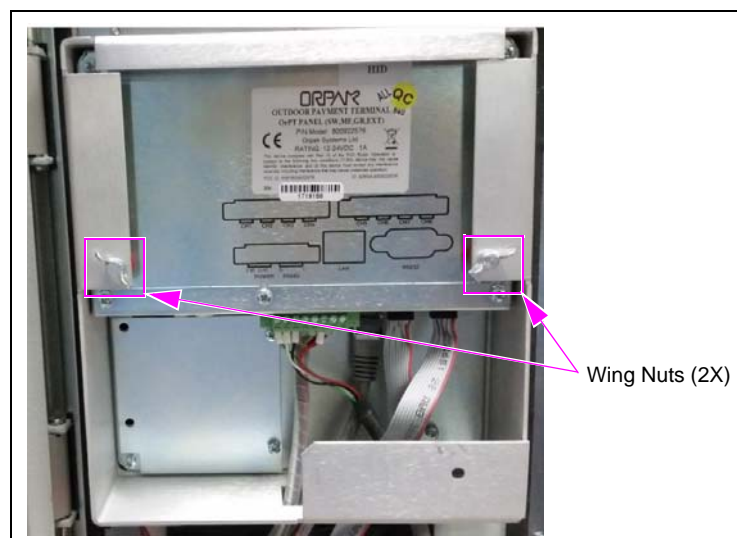
Lockout/Tagout covers servicing and maintenance of machines and equipment in which the unexpected energization or start-up of the machine(s) or equipment or release of stored energy could cause injury to employees or personnel. Lockout/Tagout applies to all mechanical, hydraulic, chemical or other energy, but does not cover electrical hazards. Subpart S of 29 CFR Part 1910 - Electrical Hazards, 29 CFR Part 1910.333 contains specific Lockout/Tagout provision for electrical hazards.

## Installing OrPT Barcode Kit and Cover

To install the OrPT Barcode Kit and cover, proceed as follows:

- 1 Turn-off the AC Power to the Islander™ PLUS unit.
- 2 Unlock and open the Islander PLUS door assembly.
- 3 Remove all cable connectors.
- 4 Loosen the two wing nuts on the rear of the unit (see [Figure 1](#)).  
*Note: Retain the nuts for reuse.*

**Figure 1: Removing Cable Connectors**



- 5 Remove the holder bracket.
- 6 Remove both the OrPT rear panels by releasing the seven screws that secure the covers (see [Figure 2](#)).  
*Note: Retain the screws for reuse.*

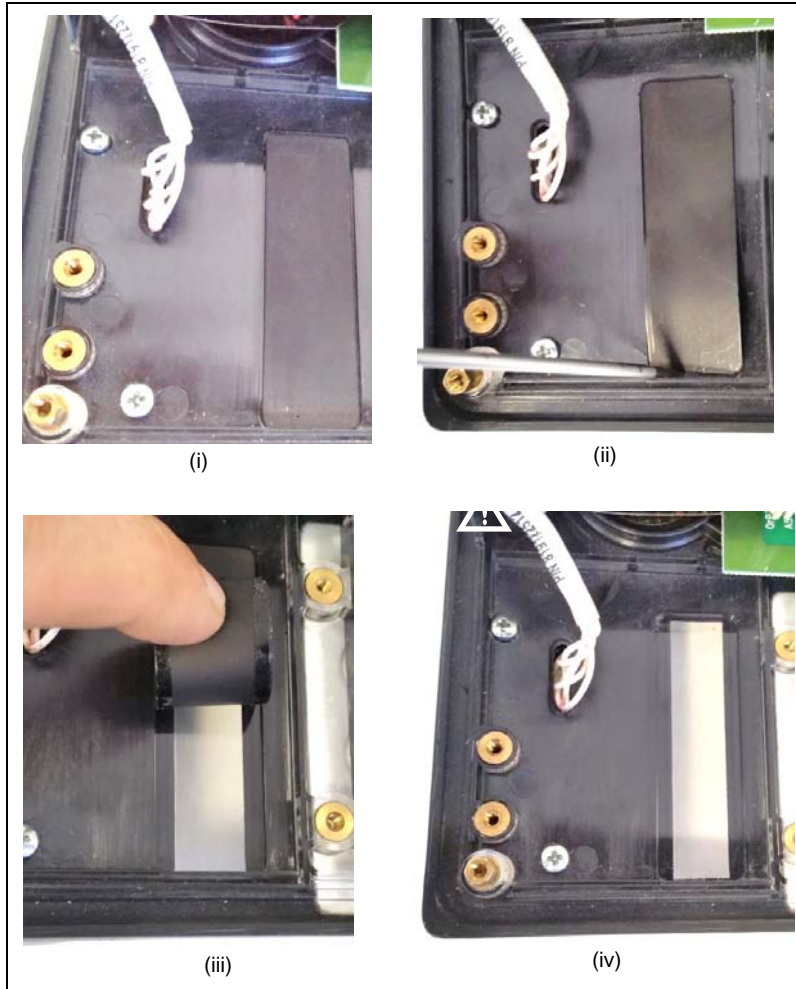
**Figure 2: Removing Rear Panels**



- 7 Peel off the label that covers the barcode reader pane on the rear side of the OrPT front panel, by carefully inserting a screwdriver between the label and the OrPT frame in order to lift the label, and then peel it off with your hand, as shown in [Figure 3](#).

**⚠ CAUTION**  
Use the screwdriver to carefully lift the label to avoid scratching the plastic cover.

**Figure 3: Removing Black Label**



- 8 Place the barcode on the bracket and secure it by using two M3 screws and nuts provided in the kit.

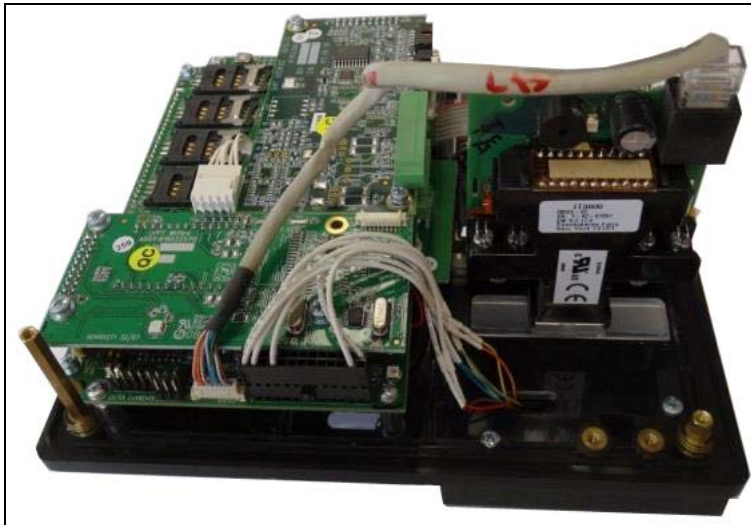
- 9 Place the barcode reader with the bracket on the terminal and secure it with two M3 screws (see [Figure 4](#)).

**Figure 4: Securing Barcode Reader to Terminal**



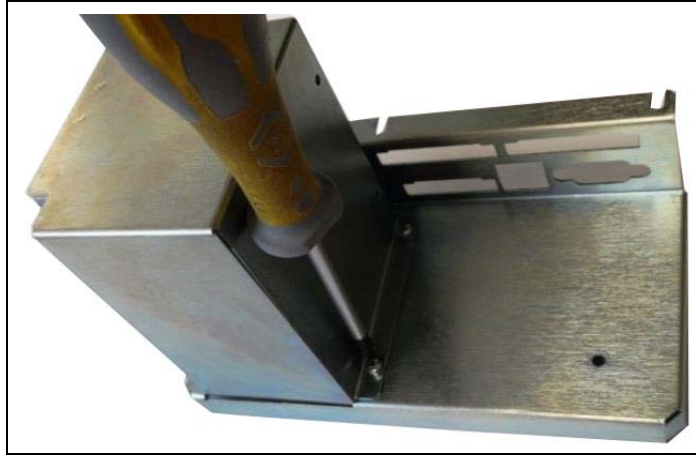
- 10 Connect the barcode reader to the OrPT using the provided harness as shown in [Figure 5](#).

**Figure 5: Connecting Barcode Reader to Terminal**



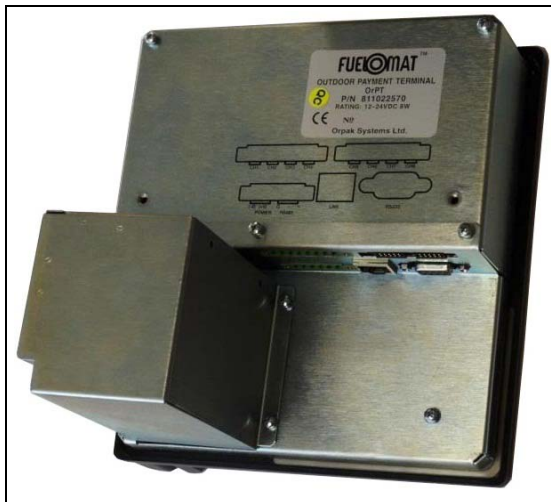
- 11 Replace the flat cover with the profound barcode/card reader cover provided in the kit (see [Figure 6](#)).

**Figure 6: Replacing Bottom Rear Cover**



- 12 Ensure all connections are correct before closing the panel.
- 13 Place the rear panels on the terminal and secure them using the seven M3 screws removed in [step 6](#) on [page 5](#) (see [Figure 7](#)).

**Figure 7: Closing Terminal**



- 14 Place the OrPT on the cabinet.
- 15 Secure the OrPT to the housing clamp using the two wing nuts removed in [step 4](#) on [page 5](#).
- 16 Connect grounding, communication, power, and Local Area Network (LAN) cables.
- 17 Lock the cabinet door lock using the dedicated key.



## Setting Up Fleet Head Office (FHO)

For FHO setup, proceed as follows:

- 1 Browse to FHO application and click **Setup**.  
*Note: This feature is available from version 6.4.47.010.*
- 2 In the General tab, click **Setup** for customizing OPT messages. The prompts customization dialog box appears.

**Figure 8: FHO Setup - General Tab**

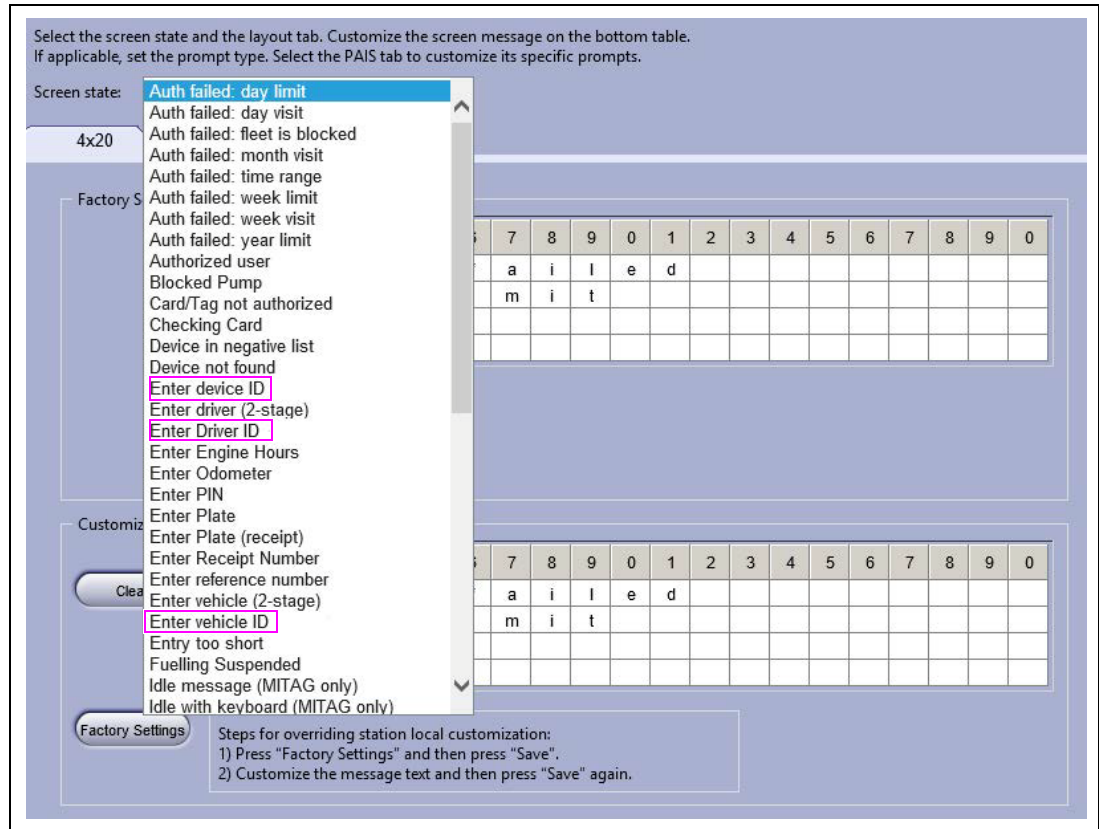
The screenshot displays the 'FHO Setup - General Tab' interface. The interface is organized into several sections:

- Company Data:** Fields for Name (HOAdi), Street & No., City, State, Zip, Country, Phone, Email, Contact Person, and Owner Name.
- Tag Acquiring Device:** Includes a checked checkbox, radio buttons for TCP/IP and Serial, a COM Port dropdown (COM1), and an Address field with radio buttons for Hex and Dec (FF).
- General:** Includes a Language dropdown (English), buttons for Fleet Management Import, Mail configuration, Receipt generator, and Customize OPT messages (highlighted with a pink box). It also features checkboxes for Support OrData systems, Update stations with not burned devices, and Card number automatically generated.
- Upload transaction policy:** Radio buttons for All and Transactions authorized by HO.
- Station clock synchronization:** A 'Daily at' dropdown showing 01:00.
- Credit info:** Fields for Cleaning credit info every (0) Hours and Cleaning credit info from last (0) Hours.

A 'Save' button is located at the bottom of the form.

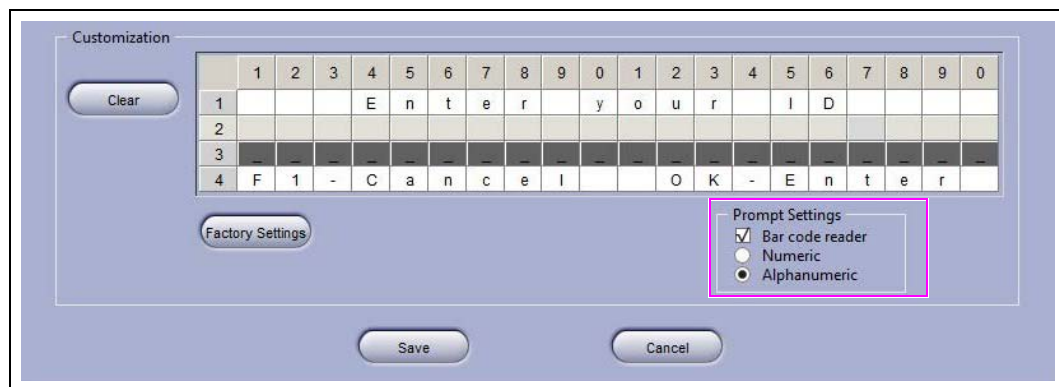
- In the Screen state drop-down menu, choose the prompts for which the barcode should be activated (i.e. “Enter device ID”, “Enter Driver ID”, “Enter Vehicle ID”, and so on).

**Figure 9: Screen and Prompts Customization**



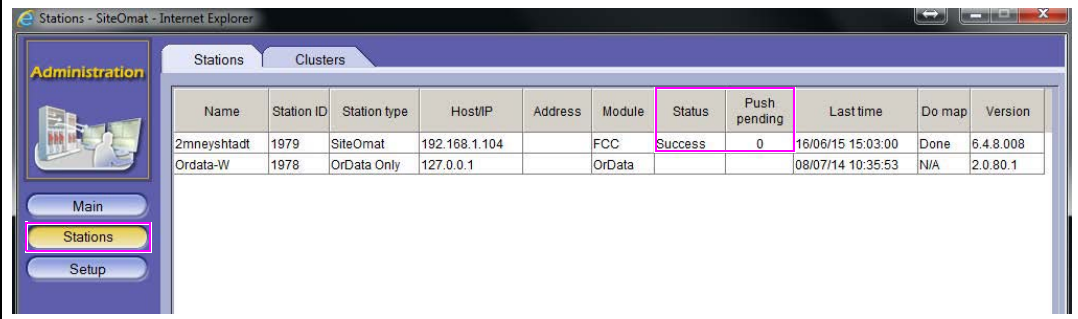
- Check the **Bar code reader** checkbox in the Prompt Settings section at the bottom of the dialog box.

**Figure 10: Screen and Prompts Customization – Prompt Settings**



- Click **Save**.

- 6 Repeat steps 3 through 5 on page 10 for all the prompts for which the barcode should be activated (i.e. “Enter device ID”, “Enter Driver ID”, “Enter Vehicle ID”, and so on, as shown in Figure 9 on page 10).
- 7 Close the screen and ensure the updates were sent to station controllers. Click **Stations** and confirm that “Status” is “Success” and “Push/Pending” value is “0” for all stations.

**Figure 11: Stations Screen**

Name	Station ID	Station type	HostIP	Address	Module	Status	Push pending	Last time	Do map	Version
2mneyshtadt	1979	SiteOmat	192.168.1.104		FCC	Success	0	16/06/15 15:03:00	Done	6.4.8.008
Ordata-W	1978	OrData Only	127.0.0.1		OrData			08/07/14 10:35:53	N/A	2.0.80.1

*Fuelomat™ is a trademark of Orpak Systems Ltd. Gasboy® is a registered trademark of Gasboy International. Gilbarco® is a registered trademark of Gilbarco Inc. GOLD<sup>SM</sup> is a service mark of Gilbarco Inc. Internet Explorer® is a registered trademark of Microsoft Corporation. Islander™ PLUS is a trademark of Gasboy International. Orpak™ is a trademark of Orpak Systems Ltd.*



© 2016 GASBOY

7300 West Friendly Avenue · Post Office Box 22087  
Greensboro, North Carolina 27420

Phone 1-800-444-5529 · <http://www.gasboy.com> · Printed in the U.S.A.

MDE-5262A Barcode Reader Installation and Setup Instructions · May 2016