

## Introduction

### Purpose

This document contains a verification sequence that allows you to determine whether your scanner is configured correctly, and a programming sequence to follow if it is not configured correctly.

#### IMPORTANT INFORMATION

Be aware of the following:

- Refer to MDE-4389 Setting Up Datalogic™ DLL2020 Bar Code Scanner Used on Profit Point Terminal for Datalogic DLL2020 scanners.
- Refer to MDE-4354 Setting Up Metrologic® MS6720 Bar Code Scanner for Metrologic MS6720 scanners.

*Note: Your bar code scanner has been programmed with default settings at the factory and should be ready to be configured.*

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### Warranty

For information on warranty, refer to MDE-4255 Gasboy's Warranty Policy Statement. If you have any warranty-related questions, contact Gasboy's Warranty Department at its Greensboro location.

## Setting Up the Scanner

To set up the scanner, proceed as follows:

- 1 Turn off power to the Profit Point Point of Sale (POS) terminal.
- 2 Unplug the AC power to the POS Distribution Box (D-Box) power supply.
- 3 Remove the scanner and the Metrologic cable from the shipping box.  
*Note: None of the other parts in the shipping box, including the scanner power transformer, will be used with this installation.*
- 4 Insert the phone jack end of the scanner cable into the phone jack connector on the scanner (Figure 1 on page 5).
- 5 Connect the DB9 connector on the scanner cable to the scanner port on the POS D-Box (Figure 1 on page 5).
- 6 Plug in the POS D-Box power supply to the AC outlet (Figure 1 on page 5).
- 7 Turn on the Profit Point POS terminal. Follow the instructions that appear on the screen. The Profit Point terminal initializes and begins the POS operations.

# Important Safety Information

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 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 only these cashier station "stops."

### Total Electrical Shut-Off Before Access

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

### Evacuation, Barricading and Shut-Off

Any procedures requiring accessing the pump/dispenser or STPs requires the following three actions:



- An evacuation of all unauthorized persons and vehicles using safety tape, cones or barricades to the effected units
- A total electrical shut-off of that unit

## 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

There is applicable information in NFPA 30A; *Automotive and Marine Service Code*, NFPA 70; *National Electrical Code (NEC)*, OSHA regulations and federal, state, and local codes which 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 that follow must be followed to prevent death, injury or damage to the equipment



**DANGER** - This signal word is used to alert you to a hazard to unsafe practice which will result in death or serious injury



**WARNING** - This alerts you to a hazard or unsafe practice that could result in death or serious injury.



**CAUTION** with Alert symbol - This signal word designates a hazard or unsafe practice which may result in minor injury.

**CAUTION** without Alert symbol - When used by itself, CAUTION 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 become explosive if ignited. Spilled or leaking fuels cause vapors. Even filling customer tanks will cause explosive vapors in the vicinity of dispenser or island.

## Important Safety Information

### No Open Flames



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 fuels and their vapors. After getting 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. Be familiar with Cardiopulmonary Resuscitation (CPR) methods if you are working 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 tag out and lock out procedures. If you are not familiar with this requirement, refer to information in the service manual and OSHA documentation.

### Working With Electricity Safely

Be sure to use safe and established practices in working with electrical devices. Poorly wired devices may cause a fire, explosion or electrical shock. Be sure grounding connections are properly made. Make sure that sealing devices and compounds are in place. Be sure not to pinch wires when replacing covers. Follow OSHA Lock-Out and Tag-Out 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. Be sure to clean hands after handling equipment. Do not place any equipment in mouth.

#### WARNING

This area contains a chemical known to the State of California to cause cancer.

#### WARNING

This area contains a chemical known to the State of California to cause birth defects or other reproductive harm.

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

## Emergency First Aid

### Informing Emergency Personnel

- Compile the following information for 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 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



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

#### WARNING



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

#### WARNING



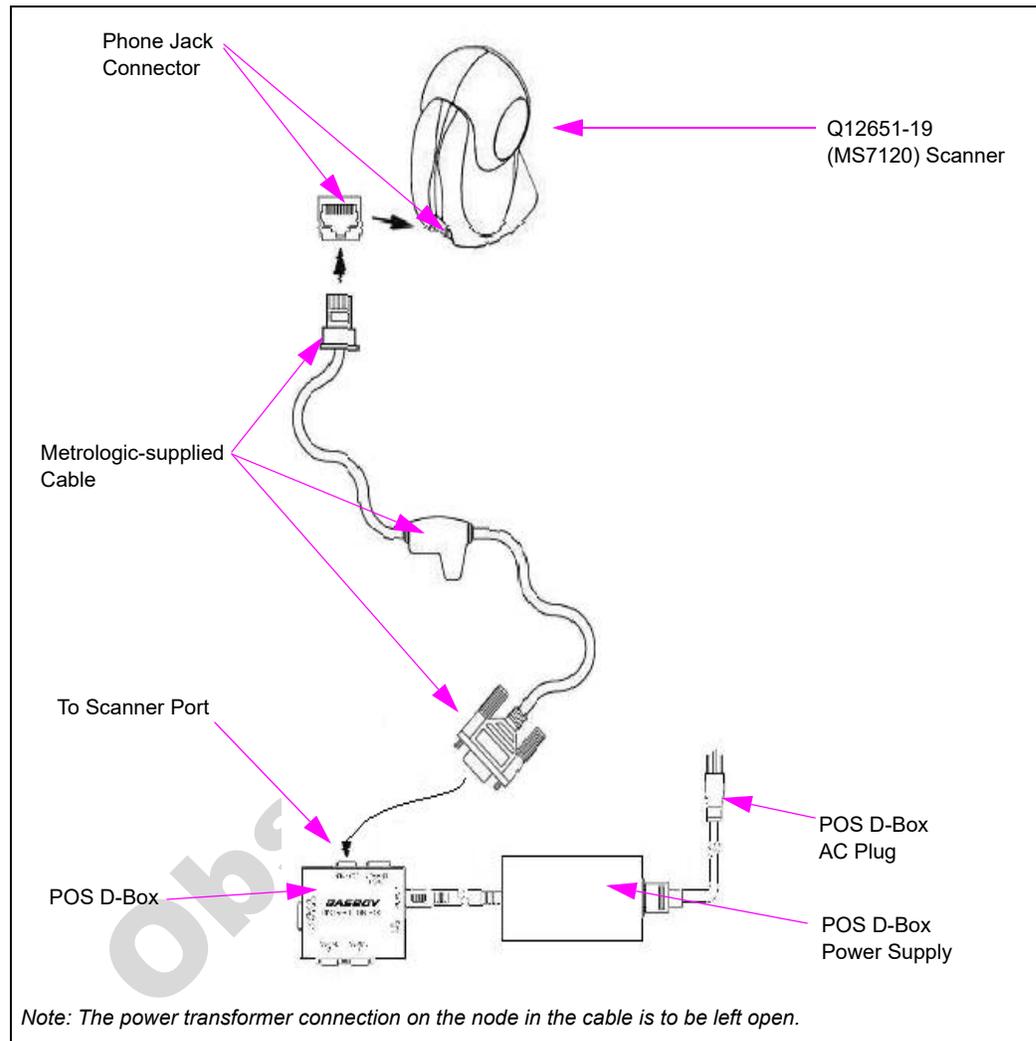
Gasoline spilled on skin may cause burns.  
Wash area thoroughly with clear/water.  
Seek medical advice immediately.

**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. Reference Subpart S of 29 CFR Part 1910 - Electrical Hazards, 29 CFR Part 1910.333 contains specific Lockout/Tagout provision for electrical hazards.

Figure 1: MS7120 Scanner to Profit Point D-Box Connections



## Performing the Verification Sequence

While in POS operations, scan an item. The scanner should beep when the item is scanned.

- If the correct item description appears on the screen, it indicates that the scanner is programmed correctly.
- If the message “# not on file” appears and the number shown on the screen matches the number under the scanned bar code, it indicates that the scanner is functioning correctly, but the bar code cannot be identified. The display may not show the first or the last digit printed on the item. Press **CLEAR MENU** to cancel the item entry.
- If the screen does nothing or displays the messages “Data Error on Scanner Port” or “Item Entry Error”, repeat the scan. If the same message appears, it indicates that the scanner may be programmed incorrectly. Proceed to [“Programming a Sequence” on page 6](#).

Note: The first time the scanner is turned on, the first scan may produce the error message “Data Error on Scanner Port” even if the scanner is programmed correctly.

# Programming a Sequence

To program a sequence, proceed as follows:

- 1 Scan the bar code as shown in [Figure 14 on page 13](#).
- 2 Scan the bar codes one at a time in the order given in the following table.  
*Note: When scanning the bar codes in [Figure 2 on page 7](#) through [Figure 14 on page 13](#), it may help to rotate them.*

Scan Order	Profit Point Model	
	Profit Point PLUS	NT Profit Point ~ OR ~ DOS Profit Point
1	<a href="#">Figure 14 on page 13</a>	<a href="#">Figure 14 on page 13</a>
2	<a href="#">Figure 2 on page 7</a>	<a href="#">Figure 2 on page 7</a>
3	<a href="#">Figure 3 on page 7</a>	<a href="#">Figure 4 on page 8</a>
4	<a href="#">Figure 5 on page 8</a>	<a href="#">Figure 6 on page 9</a>
5	<a href="#">Figure 7 on page 9</a>	<a href="#">Figure 8 on page 10</a>
6	<a href="#">Figure 10 on page 11</a>	<a href="#">Figure 9 on page 10</a>
7	<a href="#">Figure 11 on page 11</a>	<a href="#">Figure 10 on page 11</a>
8	N/A	<a href="#">Figure 12 on page 12</a>
9	N/A	<a href="#">Figure 13 on page 12</a>

Each bar code has a page number in a note under it that corresponds to the hard copy page in 00-02407 Metrologic Instruments Inc. MetroSelect® Configuration Guide included with the scanner. If the bar code cannot be read from [Figure 2 on page 7](#) through [Figure 14 on page 13](#), use the 00-02407 Configuration Guide.

*Note: A PDF version of 00-02407 Metrologic Instruments, Inc. MetroSelect Configuration Guide is available at the following URL:*

<ftp://ftp.metrologic.com/pub/download/productmanuals/00-02407.pdf>

- 3 Exit the program mode by scanning in the bar code in [Figure 14 on page 13](#).
- 4 The scanner should now be properly programmed. Repeat the procedure in “[Performing the Verification Sequence](#)” on [page 5](#) to ensure proper programming.  
*Note: If the scanner does not work after following all the instructions listed above, it indicates that the scanner may not be connected properly or the Profit Point POS terminal may not be configured correctly. Repeat the procedure in “[Setting Up the Scanner](#)” on [page 2](#). See the Hardware Configuration section in *MDE-4356 Profit Point Reference Manual* to determine if the Profit Point POS terminal is configured correctly.*

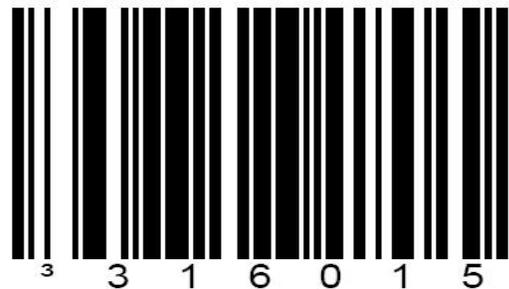
## Bar Codes

Figure 2: Enable RS-232 Mode



*Note: Refer to page G1 in the 00-02407 Metrologic Instruments Inc. MetroSelect Configuration Guide, if necessary.*

Figure 3: Space Parity

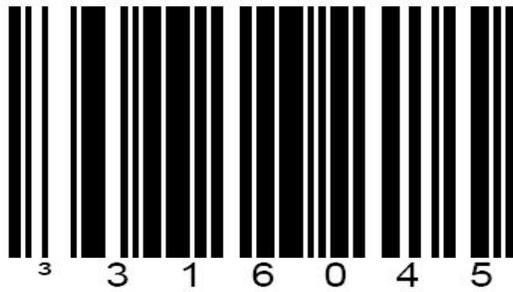


*Note: Refer to page G2 in the 00-02407 Metrologic Instruments Inc. MetroSelect Configuration Guide, if necessary.*

**Figure 4: No Parity**

**CAUTION**

Use only for NT Profit Point and DOS Profit Point systems.

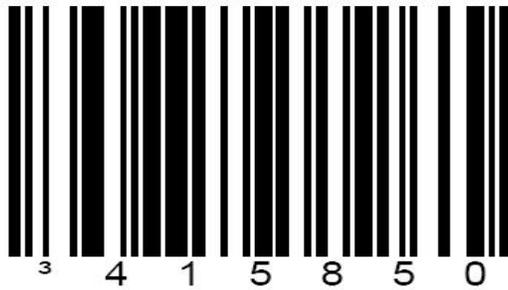


*Note: Refer to page G2 in the 00-02407 Metrologic Instruments Inc. MetroSelect Configuration Guide, if necessary.*

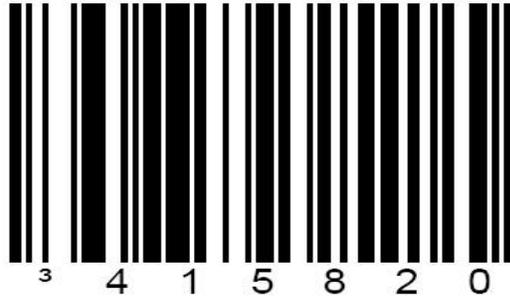
**Figure 5: Set 9600 Baud Rate**

**CAUTION**

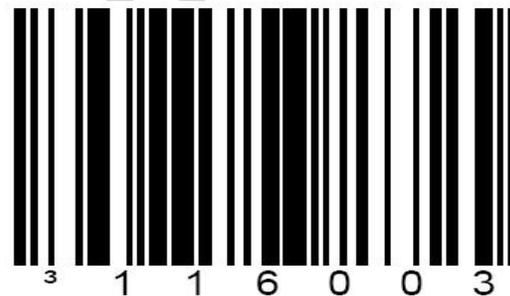
Use only for Profit Point PLUS systems.



*Note: Refer to page G4 in the 00-02407 Metrologic Instruments Inc. MetroSelect Configuration Guide, if necessary.*

**Figure 6: Set 1200 Baud Rate**

*Note: Refer to page G4 in the 00-02407 Metrologic Instruments Inc. MetroSelect Configuration Guide, if necessary.*

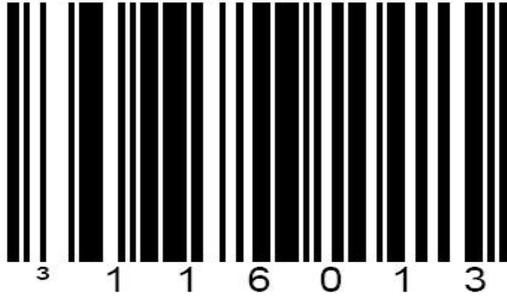
**Figure 7: Set to 7 Data Bits**

*Note: Refer to page G5 in the 00-02407 Metrologic Instruments Inc. MetroSelect Configuration Guide, if necessary.*

**Figure 8: Set to 8 Data Bits**

**CAUTION**

Use only for NT Profit Point and DOS Profit Point systems.

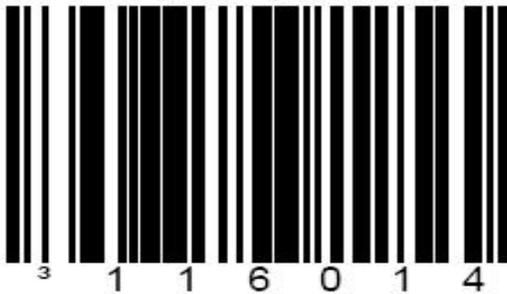


*Note: Refer to page G5 in the 00-02407 Metrologic Instruments Inc. MetroSelect Configuration Guide, if necessary.*

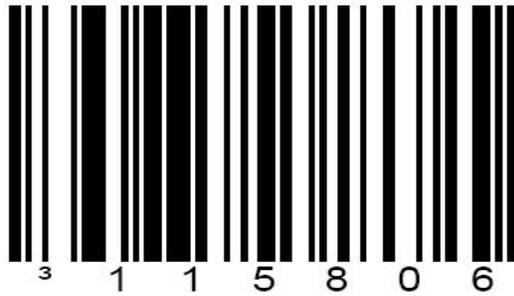
**Figure 9: Set to 1 Stop Bit**

**CAUTION**

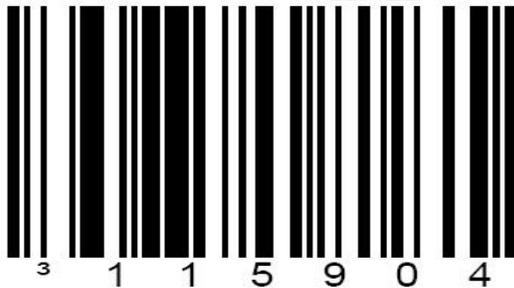
Use only for NT Profit Point and DOS Profit Point systems.



*Note: Refer to page G5 in the 00-02407 Metrologic Instruments Inc. MetroSelect Configuration Guide, if necessary.*

**Figure 10: Disable RTS/CTS Handshaking**

*Note: Refer to page G6 in the 00-02407 Metrologic Instruments Inc. MetroSelect Configuration Guide, if necessary.*

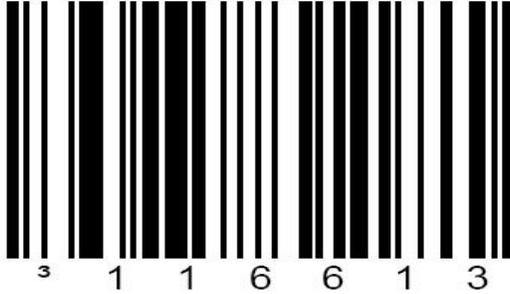
**Figure 11: Disable XON/XOFF Handshaking**

*Note: Refer to page G9 in the 00-02407 Metrologic Instruments Inc. MetroSelect Configuration Guide, if necessary.*

**Figure 12: Enable CR Suffix**

**CAUTION**

Use only for NT Profit Point and DOS Profit Point systems.

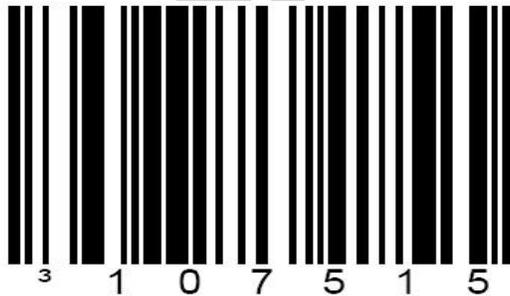


*Note: Refer to page E14 in the 00-02407 Metrologic Instruments Inc. MetroSelect Configuration Guide, if necessary.*

**Figure 13: Expand UPC-E to 12 Digits**

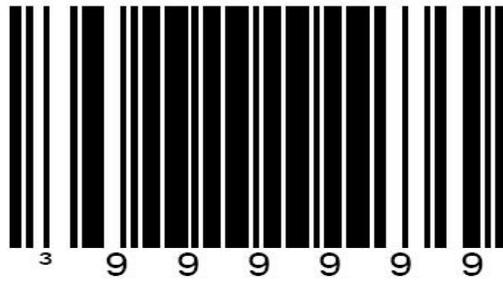
**CAUTION**

Use only for NT Profit Point and DOS Profit Point systems.



*Note: Refer to page F1 in the 00-02407 Metrologic Instruments Inc. MetroSelect Configuration Guide, if necessary.*

Figure 14: Enter/Exit Configuration Mode



*Note: Refer to page x (10) in the 00-02407 Metrologic Instruments Inc. MetroSelect Configuration Guide, if necessary.*

Obsolete

Obsolete

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