DATALOGIC™

PreScan™ Queue-Busting System

Advanced Configuration Guide

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Disclaimer

Patents

This product may be covered by one or more of the following patents: 4603262 • 4639606 • 4652750 • 4672215 • 4699447 • 4709369 • 4749879 • 4786798 • 4792666 • 4794240 • 4798943 • 4799164 • 4820911 • 4845349 • 4861972 • 4861973 • 4866257 • 4868836 • 4879456 • 4939355 • 4939356 • 4943127 • 4963719 • 4971176 • 4971177 • 4991692 • 5001406 • 5015831 • 5019697 • 5019698 • 5086879 • 5115120 • 5144118 • 5146463 • 5179270 • 5198649 • 5200597 • 5202784 • 5208449 • 5210397 • 5212371 • 5212372 • 5214270 • 5229590 • 5231293 • 5232185 • 5233169 • 5235168 • 5237161 • 5237162 • 5239165 • 5247161 • 5256864 • 5258604 • 5258699 • 5260554 • 5274219 • 5296689 • 5298728 • 5311000 • 5327451 • 5329103 • 5330370 • 5347113 • 5347121 • 5371361 • 5382783 • 5386105 • 5389917 • 5410108 • 5420410 • 5422472 • 5426507 • 5438187 • 5440110 • 5440111 • 5446271 • 5446749 • 5448050 • 5463211 • 5475206 • 5475207 • 5479011 • 5481098 • 5491328 • 5493108 • 5504350 • 5508505 • 5512740 • 5541397 • 5552593 • 5557095 • 5563402 • 5565668 • 5576531 • 5581707 • 5594231 • 5594441 • 5598070 • 5602376 • 5608201 • 5608399 • 5612529 • 5629510 • 5635699 • 5641958 • 5646391 • 5661435 • 5664231 • 5666045 • 5671374 • 5675138 • 5682028 • 5686716 • 5696370 • 5703347 • 5705802 • 5714750 • 5717194 • 5723852 • 5750976 • 5767502 • 5770847 • 5786581 • 5786585 • 5787103 • 5789732 • 5796222 • 5804809 • 5814803 • 5814804 • 5821721 • 5822343 • 5825009 • 5834708 • 5834750 • 5837983 • 5837988 • 5852286 • 5864129 • 5869827 • 5874722 • 5883370 • 5905249 • 5907147 • 5923023 • 5925868 • 5929421 • 5945670 • 5959284 • 5962838 • 5979769 • 6000619 • 6006991 • 6012639 • 6016135 • 6024284 • 6041374 • 6042012 • 6045044 • 6047889 • 6047894 • 6056198 • 6065676 • 6069696 • 6073849 • 6073851 • 6094288 • 6112993 • 6129279 • 6129282 • 6134039 • 6142376 • 6152368 • 6152372 • 6155488 • 6166375 • 6169614 • 6173894 • 6176429 • 6188500 • 6189784 • 6213397 • 6223986 • 6230975 • 6230976 • 6244510 • 6259545 • 6260763 • 6266175 • 6273336 • 6276605 • 6279829 • 6290134 • 6290135 • 6293467 • 6303927 • 6311895 • 6318634 • 6328216 • 6332576 • 6332577 • 6343741 • 6454168 • 6478224 • 6568598 • 6578765 • 6705527 • 6857567 • 6974084 • 6991169 • 7051940 • 7170414 • 7172123 • 7201322 • 7204422 • 7215493 • 7224540 • 7234641 • 7243850 • 7374092 • 7407096 • 7490770 • 7495564 • 7506816 • 7527198 • 7527207 • 7537166 • 7562817 • 601 26 118.6 • AU703547 • D312631 • D313590 • D320011 • D320012 • D323492 • D330707 • D330708 • D349109 • D350127 • D350735 • D351149 • D351150 • D352936 • D352937 • D352938 • D352939 • D358588 • D361565 • D372234 • D374630 • D374869 • D375493 • D376357 • D377345 • D377346 • D377347 • D377348 • D388075 • D446524 • D606544 •EP0256296 • EP0260155 • EP0260156 • EP0295936 • EP0325469 • EP0349770 • EP0368254 • EP0442215 • EP0498366 • EP0531645 • EP0663643 • EP0698251 • EP01330772 • EP870761 • GB2252333 • GB2284086 • GB2301691 • GB2304954 • GB2307093 • GB2308267 • GB2308678 • GB2319103 • GB2333163 • GB2343079 • GB2344486 • GB2345568 • GB2354340 • ISR107546 • ISR118507 • ISR118508 • JP1962823 • JP1971216 • JP2513442 • JP2732459 • JP2829331 • JP2953593 • JP2964278 • MEX185552 • MEX187245 • RE37166 • RE40071 • Other Patents Pending

Table of Contents

Chapter 1
Introduction

About this Guide

Use this manual to set up and configure your scanning system to add the ability to use the Datalogic PreScan system to scan products in the shopping cart prior to arrival at the checkstand. Other publications associated with Datalogic scanners are downloadable free of charge from the website listed on the back cover of this manual.

Manual Overview

This chapter, Introduction, gives an overview of the PreScan system components and function.

Chapter 2, Getting Started, details scanner and POS requirements and considerations, and provides basic setup instructions.

Chapter 3, Handheld Configuration, outlines the steps to be taken to configure PowerScan and Gryphon handheld and base components used in the PreScan system.

Chapter 4, Magellan Configuration, provides configuration information for the Magellan.

Chapter 5, Using PreScan, gives instructions on how to use the PreScan system after configuration.

Appendix A, PowerScan™ Keypad contains a "keypad" of numeric bar codes to be scanned by a PowerScan™ handheld for certain parameter settings.

Appendix B, Magellan Keypad includes a "keypad" of numeric bar codes to be scanned by the Magellan for certain parameter settings.

About PreScan

The PreScan™ Queue Busting System is an innovative application for providing improved front-end throughput on new and existing checkout lanes. This solution incorporates Datalogic's cordless handheld scanners (PowerScan™ PM8300-D or Gryphon GM4100PRE/GM4101PRE) with one of a variety of qualified Magellan™ fixed position scanners. Retailers can implement a queue-busting application without costly point-of-sale (POS) software modifications.

Typically, scanners are shipped with factory programming for the most common terminal and communications settings. Custom configuration to implement the PreScan™ application can be accomplished by scanning the programming bar codes included in this guide.

Features and Benefits

- Simple queue-busting with no costly POS software modifications.
- Multi-Lane modes accommodate a wide range of front-end configurations.
- Reduce the number of POS lanes required by increased throughput on existing lanes.
- Manage peak customer traffic.
- Increase customer satisfaction.

About PreScan Handhelds

- The PowerScan PM8300-D (handheld) is rugged enough to survive in a mobile retail environment.
- The Datalogic Star™ radio offers flexibility to switch lanes and manage data with no risk of WiFi interference.
- The units feature Datalogic's patented "Green Spot," which provides direct feedback to operators.
- The keypad allows the option for the operator to control the data in memory.
- The PowerScan can store up to 16 customer baskets, with over 300 standard retail codes in memory. The GryphonPRE can store as much as 50 customer baskets and 500 standard retail codes.

References

Current versions of the Product Reference Guide (PRG), Quick Reference Guide (QRG), and any other manuals, instruction sheets and utilities for the Datalogic products described in this manual can be downloaded from the website listed on the back cover of this manual. Alternatively, printed copies or product support CDs may be available for purchase through your Datalogic reseller.

Technical Support

Datalogic Website Support

The Datalogic website (www.datalogic.com) is the complete source for technical support and information for Datalogic products. The site offers product support, product registration, warranty information, product manuals, product tech notes, software updates, demos, and instructions for returning products for repair.

Reseller Technical Support

An excellent source for technical assistance and information is an authorized Datalogic reseller. A reseller is acquainted with specific types of businesses, application software, and computer systems and can provide individualized assistance.

Telephone Technical Support

If you do not have internet or email access, you may contact Datalogic technical support at (541) 349-8283 or check the back cover of your manual for more contact information.

Chapter 2
Getting Started

Before You Begin

To set up the PreScan system, the following items are required:

- A qualified Datalogic handheld scanner (PowerScan M8300D or Gryphon GM41XXPRE) and accompanying base station. See "Handheld Scanner Requirements" on page 6 for specific models.
- A PreScan-ready Magellan™ scanner. A PreScan-ready unit includes the necessary firmware, which is either preinstalled in the factory or can be installed manually from the PreScan CD (see "Fixed Scanner Requirements").

All components must be installed and tested, and successfully connected to a qualified POS terminal as described in this chapter.

Detailed installation procedures for both the handheld and fixed scanners are included in the reference manuals for each respective model (see "Technical Support" on page 4). If you are unsure if your system meets PreScan requirements please contact Technical Support for assistance.

Basic Setup

Handheld scanners to be used in the PreScan system must be custom-programmed to function as a part of that system. To use the PreScan system, these steps must be followed:

1. Enable your handheld for PreScan mode (see "PowerScan Setup" on page 9 or "Gryphon Setup" on page 12).

2. Continue to "Handheld Configuration" starting on page 13 to customize desired settings for your device.

Go to "Using PreScan" starting on page 57 to view the procedure for using the PreScan system.

Handheld Scanner Requirements

The PreScan system will work with any of the following part numbers for its handheld unit and base station:

PowerScan M8300-D

UNIT	MHz	DESCRIPTION	PART NUMBER
Handheld	433MHz	POWERSCAN M8300/ D 433MHZ SS5084	PM8300-D433-C005
Handheld	910MHz	POWERSCAN M8300/ D 910MHZ SS5084	PM8300-D910-C005
Base Station	433MHz	PM8300,BASE/CHR,MULTI,433 SS5084	BC8030-433-C005
Base Station	910MHz	PM8300,BASE/CHR,MULTI,910 SS5084	BC8030-910-C005

Gryphon GM41XXPRE

UNIT	MHz	DESCRIPTION	PART NUMBER
Handheld	433MHz	GRYPHON M4100-BLACK W/ PRESCAN - 433MHZ	GM4100-BK-433PRE
Handheld	910MHz	GRYPHON M4101-BLACK W/ DISPLAY - 910MHZ	GM4101-BK-910PRE
Base Station	433MHz	BC4030-BASE/CHARGER M INT-BLACK-433MHZ	BC4030-BK-433PRE
Base Station	910MHz	BC4031-BASE/CHARGER M INT-BLACK-910MHZ	BC4031-BK-910PRE

Fixed Scanner Requirements

A new or existing Magellan scanner to be used as a part of the PreScan system must be one of the PreScan-compatible Magellan models listed in the table below. It can be ordered with the PreScan application preinstalled, or manually upgraded with the necessary firmware. See "Technical Support" on page 4 to request assistance.

PreScan-COMPATIBLE Models	
Magellan 9500	Magellan 8200
Magellan 8500	Magellan 8100
Magellan 8500Xt	Magellan 2300HS
Magellan 8500XtS	Magellan 2200VS
Magellan 8400	Magellan 2200 Enhanced
Magellan 8300	Magellan 2300 Enhanced

NOT COMPATIBLE with PreScan	
HS1250	Magellan 1000i
VS1200	Magellan 1100i
VS1000	Magellan 1400i
Magellan SL	

POS/Interface

The fixed scanner must use flow control to manage the flow of data being sent by the PreScan system. The table below lists Magellan interface capabilities with regard to flow control.

MAGELLAN INTERFACE	Supports Flow Control
IBM USB	YES
IBM 46xx	YES
Wincor/Nixdorf RS-232 Mode B	YES
Wincor/Nixdorf RS-232 Mode A (Standard)	YES
RS-232 with CTS/RTS	YES
OPOS / JPOS controlled	YES
RS-232 no flow control	NO
Keyboard Wedge	NO
Keyboard USB	NO

POS System Considerations

Here are some important points to consider with regard to the POS system the PreScan system is to be connected with. For comprehensive coverage of this topic, see the PreScan Integration Guide.

Scanner Control Cashier Prompts. In order for the PreScan system to function properly, it is critical that the POS system has the capability to disable the scanner at cashier prompts, including:

- Age verification (DVD, Alcohol etc)
- Item Not On File
- Other restricted items

When the scanner has been disabled in this manner, transmission of data from its memory is paused until the cashier attends to any security prompts, preventing accidental transmission of items which might not be recorded by the POS. Contact your POS system provider with any doubts or concerns about this capability.

Item Look-up Response Time. The time delay between sending each bar code is dependent upon the time the POS takes to respond to an item and, if required, return a prompt. This time delay will need to be set to the maximum required for this action to complete, since a subsequent item sent too soon could be lost. Determine the optimal time period for the delay by testing a full range of item types (normal, sale price, price-embedded, etc.) and all possible cashier prompts.

The necessary delay can vary depending on the software, processor, size and method of item file look-up.

Typical response time for a current system is less than 200ms. For best results, THOROUGHLY test to ensure the configured time optimizes system speed, but without any loss of data.

Not On File. Not On File items are not managed by PreScan. Any items not included in the POS database must be managed manually.

There are two established methods for handling an item which is "not on file" at the POS, although this process should be defined by the customer's particular business practices. It will be useful to learn the scope of "not on file" events and the types of product that fall into this category for the given installation. It is recommended that these events be considered in advance and users trained on approved handling procedures.

The POS software must stop the Magellan by means of flow control such as OPOS or JPOS when a prompt appears on the screen for age verification, "not on file," etc. in order to control the flow of data from the PreScan. If this is not implemented, data could be lost.

EAS tagged and Produce Items. At present, the PreScan system has no accommodation for weighing produce or deactivation of EAS-tagged items. These items will need to remain unbagged so they can be handled by the cashier in the normal manner, or they can be manually deactivated using the integrated EAS deactivation capability that is available on many Magellan scanners.

PowerScan Setup

The PowerScan™ PM8300-D handheld scanner must be programmed to work with PreScan. The following section provides programming bar codes to be scanned by the handheld.

These settings provide a typical setup for a PowerScan handheld unit in a PreScan system. See "PowerScan Configuration" starting on page 13 for more options.

About Programming Labels

Programming bar codes have two configuration commands. $+ is a start string that the handheld scanner recognizes as a programming code and places the scanner into programming mode. In the bar code shown in the next paragraph, RF0001 is the command to set the handheld address to 0001. RN0 is the command that transmits that address to the base and links the pair. $- ends the label and exits programming mode. Labels can be created for additional base stations in bar code symbology Code 128. Using this syntax, addresses can be assigned in the range of 0001 to 1999.

Linking the PowerScan to the Base

During configuration activities the PowerScan handheld scanner needs to be "linked" to the base station so that bar codes scanned by it are transmitted to the base. To do this, scan the base station address label below, which addresses both the handheld and the base, and links the two together.

To set the base station address, scan one of these labels, then place the handheld in the base station:

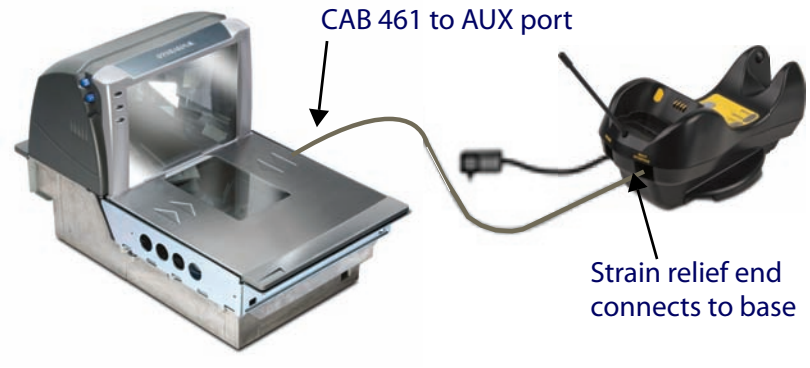
Base Address 0001

$+RF0001RN0$-

Base Address 0002

$+RF0002RN0$-

Lab Test Setup



Placing the handheld in the base transfers the address from the handheld to the base, so that both have linked (but different) addresses. It is important that all bases and handheld scanners in radio range have different addresses to avoid conflicts. This is as true in the lab as it is in a store installation.

Addressing the PowerScan

In an installation, it is preferable to break the link between the handheld scanner and the base. This practice avoids address conflicts, in the event that handheld scanners from different bases get mixed. Use labels like these to assign new addresses to the handheld scanner only, leaving the base addresses unchanged. The label follows the same syntax, only it omits the second configuration command RN0 to link and address the base.

Handheld scanner address 1001

$+RF1001$-

Handheld scanner address 1002

$+RF1002$-

The system should now be functional. To test the system use the test control card:

PSABCD00001

Scan this label with the handheld to open a new basket, then scan a few items to store in the memory. Scan the label again to close the basket.

Next, scan the label at the fixed scanner to retrieve the data from the scanner.

PreScan Modes

The PowerScan handheld can be placed in one of two different modes. In order to use PreScan, it must be in PreScan MultiLane Mode.

While in PreScan mode the handheld device has limited functionality, so most handheld commands are disabled. See Unavailable Host Commands below for a list of those commands.

PreScan MultiLane Mode

MultiLane Mode is designed to handle different conditions, such as queuing situations where customers might change from one queue to another depending on wait times, or where customers form a single line to feed multiple checkstands. In that case, a roving sales assistant with a handheld scanner reads item bar codes into memory and bags them. A PreScan control card containing a bar code unique to that transaction is scanned and handed to the customer. Alternatively, customer loyalty cards can often be used as PreScan control cards.

When the customer reaches the checkstand, the cashier scans the PreScan control card or customer loyalty card using the Magellan in-counter scanner, which then interfaces with the handheld unit to recall all stored bar code data for that customer. In this mode the handheld can store data from multiple customers, and only the data associated with the specific control card is transmitted to the POS at the end of the transaction. Scan the following bar code to place the handheld into PreScan MultiLane Mode.

Enter PreScan MultiLane Mode

#+BPull

See "Using PreScan" starting on page 57 for details on how to use the system.

Unavailable Host Commands

While in PreScan mode the handheld device has limited functionality, so most handheld commands are disabled.

The following host commands (or bar code programming commands) are not available for the handheld scanner when functioning in PreScan mode:

- All batch mode commands (BZx, and unavailable bar code programming commands: #+BFlush, #+BReset)
- All single store commands (ROx).
- Transmission mode (RIx). “One way” is always set.
- Font size (IDx).
- Display mode (IGx).

PowerScan Handheld Mode

When PreScan is not in use, the PowerScan Handheld scanner can optionally be used as an ordinary handheld auxiliary scanner by switching it into Handheld Mode. The scanner must be set to transmit data to a specific lane. Use a label such as the following:

#+BHand0001

This label instructs the handheld to switch to Handheld Mode and send data to base address 0001. Additional labels are provided in the PreScan Integration Guide.

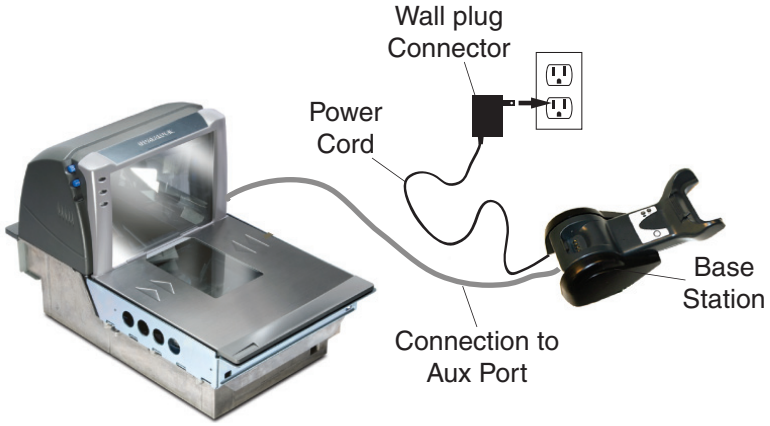
Gryphon Setup

Connecting the Base Station

Connect the Gryphon Base Station to a Magellan™ scanner as shown. Turn off the scanner before connection and consult the manual for that equipment (if necessary) before proceeding. Connect the interface cable before applying power to the Base Station.

The Base Station can also be powered by the Magellan. The external power supply is recommended but not necessary.

Base Station Connection and Routing. Fully insert the Power Cable and Interface (I/F) Cable connectors into their respective ports in the Base Station. Then connect to an AC Adapter, and plug into the (wall) outlet. Connect the Interface Cable to the AUX port on the Magellan.



Gryphon Programming

The Gryphon 4100PRE is pre-configured to work with the PreScan system. Since each scanner and base has a unique radio address, there is no need to assign a special address. No other special steps are needed for basic setup. The default setting is Handheld Mode, and the default control card format is PreScan's standard format.

The Gryphon reader is factory-configured with standard default features. You can select other options and customize your reader through use of the instructions and programming bar codes available in "Gryphon Configuration" starting on page 18, and in the PreScan Integration Guide (available on the Datalogic website).

Chapter 3
Handheld Configuration

This section provides additional programming bar codes to configure your reader by changing the default settings. You must first enable your reader to read bar codes in order to use this section. If you have not done this, go to Setup and follow the procedures described for your handheld. Once the reader is set up, you can change the default parameters as needed for your specific application.

PowerScan Configuration starting on this page

Gryphon Configuration starting on page 18

PowerScan Configuration

Optional Settings

The following settings are optional. They are applicable only to PowerScan handhelds in PreScan Multi Lane Mode. Use them to customize the settings for your PreScan system. Reference the PreScan Integration Guide for planning considerations when determining the optimal configuration settings for your setup.

- PowerScan Keypad Enable/Disable on page 14
- Prompt Before Delete on page 14
- 60-Minute Data Timeout on Inactivity on page 15
- Beeper Control for Radio Response on page 15
- Radio and Communication Timeouts (for Base) on page 16
- "FIND ME" Function (Only for base models with button) on page 17
- Next Session Prompt on page 17
- Clear Session Memory on page 17
- Clear Handheld Memory on page 17

MODE B option

The Mode B option (=CT1 command) MUST be enabled according to the RTS/CTS Hw handshake is enable (= CE1 command)

Link Scanner to Base

In order to set configuration items for a handheld and base, they must be linked. To do this, place the scanner in Handheld Mode by scanning the appropriate label, as described in "PowerScan Handheld Mode" starting on page 12.

PowerScan Keypad Enable/Disable

It may be desirable in some retail environments to disallow certain users from the ability to review (scroll through) and delete scanned items from the stored list on the handheld using its keypad. For example, perhaps only supervisors or other authorized personnel are allowed to void (delete) items. This option provides the option to enable or disable the keypad to that purpose.

Handheld Keypad = Disable

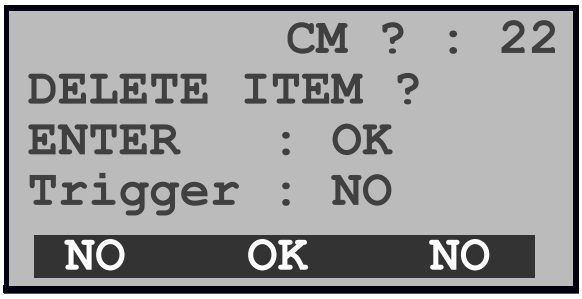
$+IK0$-

Handheld Keypad = Enable

$+IK13D3E3F$-

Prompt Before Delete

When enabled, the Prompt Before Delete option requires the user to press the ENTER key a second time to acknowledge an item will be deleted, offering an opportunity to rethink or correct an accidental deletion. If “disable” is selected, items will be deleted upon a single press of the ENTER key without prompting.



Prompt Before Delete = Disable

$+INO$-

Prompt Before Delete = Enable

$+IN1$-

60-Minute Data Timeout on Inactivity

If a handheld unit is totally inactive for over 60 minutes, an option is available to clear that device's memory. It is recommended that this feature be enabled to prevent a build-up of abandoned baskets.

CAUTION

Enabling this feature will clear all data from memory if the device is left unused.

60 Minute Data Timeout on Inactivity = Disable

$+IQ0$-

60 Minute Data Timeout on Inactivity = Enable

$+IQ1$-

Beeper Control for Radio Response

This feature offers the following options:

- Normal — Beep on good decode and good reception
- Off
- Beep only on good decode
- Beep only on good reception

Beeper Control for Radio Response = Normal

$+BF0$-

Beeper Control for Radio Response = OFF

$+BF3$-

Beeper Control for Radio Response =
Beep only on good decode

$+BF1$-

Beeper Control for Radio Response =
Beep only on good reception

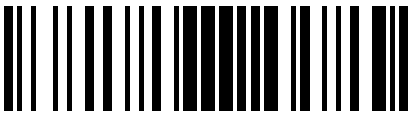
$+BF2$-

Radio and Communication Timeouts (for Base)

Basket Inquiry Timeout Setting

This setting controls the length of time the base station waits for a scanner to respond to a request for data associated with a given control card. In cases where loyalty cards are used the request may frequently time out, since a request is generated every time a loyalty card is scanned just in case there is data associated with it. A long timeout slows performance and increases the RF traffic, but allows for a more robust system where the handheld scanner may be near the limit of radio range. The setting command has the form **$+RPTxx$-**, where **xx** is the timeout period in seconds. Use these labels to configure the setting.

Basket Inquiry Timeout



$+RPT

Scan codes from the table in "PowerScan™ Keypad" on page 69 to set the time. The default value is 04 seconds (range: 02-25 seconds).

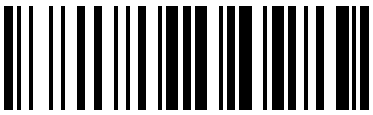
Exit Configuration

$-

Transaction Timeout

The transaction timeout sets the length of time the base allows a scanner to complete the transmission of data associated with a given control card once the data transfer has commenced. A long timeout slows performance but is more robust when the scanner may be near the limit of radio range. The setting command has the form **$+RTTxxx$-**, where **xxx** is the timeout period in seconds. Use these labels to configure the setting.

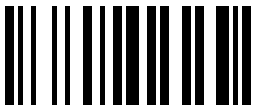
Basket Inquiry Timeout



$+RTT

Scan codes from the table in Appendix A to set the time. The default value is 60 seconds (range: 008-240 seconds).

Exit Configuration



$-

"FIND ME" Function (Only for base models with button)

Pressing the PreScan Base Button calls all PreScan scanners inside its radio range. The PreScan scanners will beep in response.

Next Session Prompt

There are two modes for session management. If the assistant has a session open for customer A, then scans the next unique customer bar code to start a new session for customer B, the system can either prompt on the display and require a press of the ENTER key to open the new session or, if disabled, directly open the next session without prompting.

Next Session Prompt = Prompt if existing session open

$+IP1$-

Next Session Prompt = No Prompt

$+IP0$-

Clear Session Memory

Scanning the following bar code will clear data from the current PreScan session only.

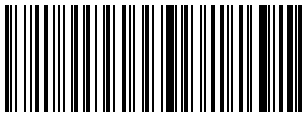
Clear Session Memory

#+BClear

Clear Handheld Memory

This bar code will clear ALL stored PreScan data from the handheld.

Clear Handheld Memory



#+BDeleteAll

Gryphon Configuration

Most of the settings for the GryphonPRE handheld device are the same as those for the standard Gryphon reader. Use the manuals for the Gryphon 4100 family or Datalogic Aladdin to change additional configuration settings not found in this manual. They are available for download from the Datalogic website.

This section shows additional settings for PreScan mode.

Gryphon PreScan devices (cradle/base station and reader/handheld) will not work with other Gryphon devices (GM 4xxx/GD 4xxx family) using the STAR™ radio module.

Restore Factory Default

Scan the programming bar code below to return the handheld to a known state before applying custom configuration settings:

Restore Default

$+$*

The default setting is Handheld Mode. See Set to PreScan Mode on page 18 or Handheld Mode on page 19 for more information.

PreScan (Multi Lane or MUL Mode)

To use the Gryphon scanner for PreScan, the scanner should be placed in Multi Lane mode. When in Multi Lane mode, any base in radio range can communicate with the handheld scanners.

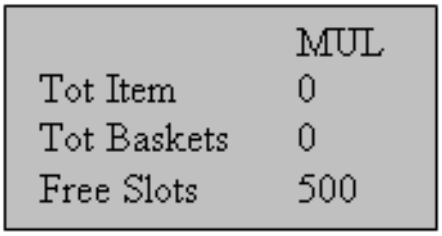
Set to PreScan Mode

To set the Gryphon for PreScan mode, scan the following label:

Enter PreScan Mode

$P,BM00,P

The scanner will reset. The reset is complete when the display looks like this:



The word MUL in the top right indicates the scanner is in PreScan (Multilane) Mode. To conserve battery power, the display will only show this message for a limited time. To check if a scanner is in Multilane mode, simply press the ENTER key and the display above will reappear.

Handheld Mode

When PreScan is not needed, the Gryphon scanner can be used as an auxiliary handheld scanner at the POS. In this mode the Gryphon transmits labels to the base at the time they are read, and the base transmits them directly to the AUX port of the Magellan. Display functions and keypad functions are not supported in this mode.

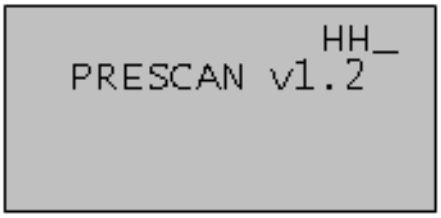
To switch a Gryphon scanner to handheld mode, follow these steps:

1. Read the Enter Handheld Mode label:

2. The Gryphon will beep twice, then reset.

3. Place the Gryphon scanner on the cradle. The red light on the cradle will blink a few times and the scanner will reset again. The Gryphon is ready to scan at this time.

To verify that the scanner is in Handheld Mode, press any key. The screen will look like this:



The word HH_ in the upper right-hand corner indicates the scanner is in handheld mode.

While the scanner is in HH mode, the base still has the ability to communicate and retrieve basket records stored in other Gryphon scanners that are in Multi Lane mode.

Gryphon Configuration Settings

Keypad Enable/Disable

The Gryphon PreScan model has a 3-key keypad (up, down and enter) and a display that allows PreScan operators to use features such as basket browsing and deletion of items in the basket. The keypad can be disabled if desired, to prevent accidental misuse by operators or checkers (roving/assistance).

Enable

$+IK1$-

DEFAULT

Disable

$+IK0$-

When the Keypad is disabled, some configuration items will be disabled. See Next Basket Session Prompt and Prompt Before Deleting Basket on page 28 for more information.

Set Indicators

Indicators such as display prompt messages and beeper sounds can be programmed in several different configurations. The prompt can be set to occur with or without an accompanying beep tone, and the order of the keypad Yes/No buttons can be defined as well.

The prompt message is used during many basket operations. The following prompts can be enabled or disabled:

1. Close open basket (with programming label)
2. Clear items in basket
3. Delete open basket
4. Delete all baskets
5. Next Basket Session Prompt (Reading a new control card closes the current basket and opens a new one)
6. Delete the expired basket on inactivity

See Basket Operations on page 22 for more information about these and other basket functions.

Set Indicators (continued)

No prompt and No beep

$P,IH01,P

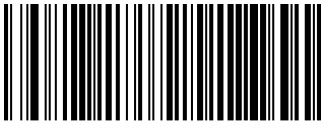
Beep only

$P,IH02,P

Prompt message only
(type 1: N - Y - N

$P,IH03,P

Prompt message only
(type 2: Y - N - Y)



$P,IH04,P

Beep and prompt message
(type 1: Y - N - Y)

$P,IH05,P

DEFAULT

Beep and prompt message
(type 2: N - Y - N)

$P,IH06,P

Basket Operations

Close open basket (close current session)

An open basket can be closed by performing ANY of the following actions:

- Re-read the control card or loyalty card for the open basket
- Read a new control card or loyalty card (opens a new basket)
- Read the following program label (enforce system close basket). This label will close the current basket without reading a control or loyalty card.

Clear one item in open basket

A single item in a basket can be deleted by pushing the "Yes" button while in browser mode or basket open state (with just an item displayed on screen).

Clear all items in open basket

To clear all the items in a basket while leaving the basket open, scan the following programming label. The operator can then reread items in the basket.

Delete Open Basket

Deletes the current session.

Delete All Baskets

This item deletes all baskets stored in the Gryphon.

Keep Empty Basket

Unless this feature is enabled, empty baskets are automatically deleted without notice in the following instances:

1. The Gryphon has an empty basket and a recall message to match with that empty basket is archived.
2. Create a new basket (open basket), then close without adding items to that basket.
3. Clear items in an open basket, then close it.

There may be cases where an empty basket is open but may need to be superceded by something else with higher priority. If enabled, the Gryphon can save the empty basket, which can later be recalled so scanning can resume.

Allow Empty Basket (Enable)

Do Not Allow Empty Basket (Disable)

Open Basket Timeout

This feature specifies the amount of time the handheld will wait before closing an open basket after a period of inactivity.

Never close open basket

$P,IQ00,P

DEFAULT

Close after 2 minutes

$P,IQ01,P

Close after 4 minutes

$P,IQ02,P

Close after 6 minutes

$P,IQ03,P

Close after 8 minutes

$P,IQ04,P

Close after 10 minutes

$P,IQ05,P

Open Basket Timeout (continued)

Close after 12 minutes

$P,IQ06,P

Close after 14 minutes

$P,IQ07,P

Data Timeout On Inactivity

This feature controls the lifetime of a basket. A basket can be kept in the handheld indefinitely (a basket is automatically deleted when sent to the host on request). The timeout is counted from the last time a basket was accessed. A closed basket can be reopened and then closed again to reset the counter.

Basket timeout on inactivity could delete data without notice (in the background) if the Prompt Before Delete message is disabled. See "Prompt Before Deleting Basket" on page 28 for more information.

Never delete basket in handheld

$P,IA00,P

DEFAULT

Delete after 15 minutes

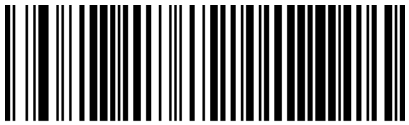
$P,IA01,P

Delete after 30 minutes

$P,IA02,P

Data Timeout On Inactivity (continued)

Delete after 45 minutes

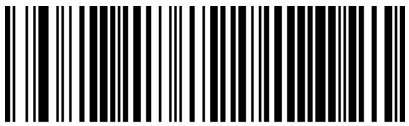


$P,IA03,P

Delete after 60 minutes

$P,IA04,P

Delete after 75 minutes



$P,IA05,P

Delete after 90minutes

$P,IA06,P

Delete after 105 minutes

$P,IA07,P

Next Basket Session Prompt

This option controls the behavior of the scanner if a user reads a new control card while a basket is already open. If the prompt is disabled, the scanner will automatically close any open basket and open a new one.

Enable Next Basket Prompt

$P,IP01,P

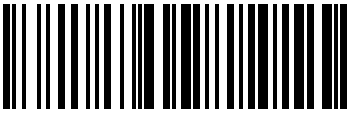
Disable Next Basket Prompt

$P,IP00,P

If the keypad is disabled, this setting has no effect.

Prompt Before Deleting Basket

Delete with Notice



$+IN0$-

DEFAULT

Delete without Notice

$+IN1$-

CAUTION

The Delete with Notice prompt message is not in effect if the keypad is disabled, even when this setting is ON. Use care to avoid the accidental deletion of data. See Keypad Enable/Disable on page 20 to enable Keypad.

A basket will be deleted upon enaction of any of the following actions:

1. A data timeout has been enabled and the handheld has been inactive for the specified time. The basket will automatically be deleted in the background. See Data Timeout On Inactivity on page 25.
2. The Delete Open Basket label is scanned
3. All data is deleted from the Handheld (in PreScan mode).

Gryphon Base Station

To change settings for the Gryphon Base Station (Cradle), use Datalogic Aladdin configuration software, available for download from the Datalogic website.

There is not a specific package in Aladdin for configuration of the Base Station for PreScan. The device must be configured through service port interface. It requires the Base Station to be connected directly to the PC through the serial port. See the Serial Service Commands **on page 30.**

Magellan protocol

PreScan for Gryphon uses a new protocol for data communication between Magellan and the Base Station (Cradle). For backward compatibility with PreScan for PowerScan, this system supports "Mode-B" also. This feature allows new systems to be compatible with the old software for Magellan (PreScan for PowerScan). Options are:

- Non RTS/CTS (*DEFAULT): new protocol for Gryphon device family
- Using RTS/CTS: support Mode-B protocol (for PowerScan device family)

The default setting is Non RTS/CTS.

Basket recall timeout

The setting controls how long the base searches for a basket. A longer setting improves reliability for handheld scanners at the edge of radio range, but slows performance. This slowing effect is more pronounced when using store loyalty cards for control cards. The timeout value can be:

- 4 seconds (*DEFAULT)
- 5 seconds
- 6 seconds
- 7 seconds
- 8 seconds

Magellan reply timeout

Once the base station has received a complete transmission from the handheld, it begins transmitting the data to the Magellan. A reply is expected right away. This is confirmation action from Magellan to Base station when it would like to take data received from handheld stored in base station. The timeout value can be:

- 5 seconds
- 10 seconds (*DEFAULT)
- 15 seconds
- 20 seconds
- 25 seconds
- 30 seconds

Inter data packet timeout

This setting controls the time the base will wait for the Magellan to respond before discarding a stored basket. A long timeout allows a cashier to respond to activities such as age verification or items not on file. The values for this setting are:

- 5 minutes
- 10 minutes (*DEFAULT)
- 15 minutes
- 20 minutes
- 25 minutes
- 30 minutes

There is not a specific package in Aladdin for configuration of the Base Station for PreScan. The device must be configured through service port interface. It requires the Base Station to be connected directly to the PC through the serial port.

Serial Service Commands

#	Command	Description
1	$+$!<CR>	Get device identify string
2	$S,B00<CR>	Enter programming mode
3	$cMRTO<CR>	View current setting of inter data packet timeout (by minutes) 0: 5 minutes 1: 10 minutes 2: 15 minutes 3: 20 minutes 4: 25 minutes 5: 30 minutes
4	$CMRTOxx<CR>	Set up inter data packet timeout
5	$s<CR>	Exit programming mode, without saving setting (view only)
6	$Ar<CR>	Save setting and Reset device

Setting the inter data packet timeout for Base Station

Follow these instructions to change the value of this configuration

1. Connect the Base Station to a PC with a serial port. The parameters of this serial port are:
   a. Baud rate : 9600
   b. Parity : NONE
   c. Data bits : 8
   d. Stop bits : 1

2. Verify the firmware:
   Command: $+$!<CR>

3. Enter service mode:
   Command: $S,B00<CR>

4. Read the current value setting in the base station:
   Command: $cMRTO<CR>

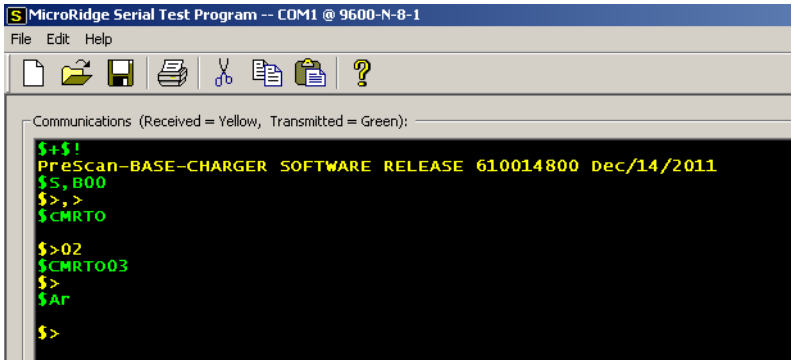
5. Change configuration (Inter data packet timeout):
   Command: $CMRTOxx<CR>

   Where xx is the value of the command:

   - Input range from 00 to 05 (two digits)
   - With the input setting above, the output setting value range from 5 minutes to 30 minutes, increase by 5.

6. Save the setting and exit service mode
   Command: $Ar<CR>

The example below illustrates changing the value of Inter data packet timeout from 10 to 15 minutes:



NOTES

Chapter 4
Magellan Configuration

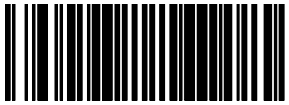
PreScan Configuration Options for Magellan

The following settings are optional and apply to PreScan Mode. To use the bar codes in this section to program the Magellan scanner, you must first enter Programming Mode by scanning the SWITCH bar code below. While in Programming Mode, scan the option(s) bar codes in this section to configure the Magellan as desired. When finished, scan the SWITCH bar code once again to exit Programming Mode and save the changes.

Cover any unused bar codes on this and the facing page to ensure that the scanner reads only the bar code you intend to scan.

SWITCH BAR CODE

Enter / Exit Programming Mode



00000

Basket Download Timing and Options

There are three PreScan options that are used to tune the basket download timing relative to the abilities of the POS. They also determine how quickly the POS must respond when handling exception cases such as not-on-file labels or items that require age verification. The three options are:

1. First Label in Transaction Delay - This option allows a longer delay to be accepted for the first label sent to the POS during a basket download. Many POS systems have extra transaction-related work that gets performed when the first label is received. This extra processing may cause a delayed response from the POS when handling an exception item like a not-on-file label or an item that requires age verification. This configurable delay is used to provide extra time for processing the first label while not affecting the throughput for second and subsequent labels.

2. Basket Download Inter-label Delay - This option determines the rate at which labels are downloaded from the base station and transmitted to the POS. It is applied to the second and subsequent labels in a PreScan basket.

3. Base Station Response Delay - This configuration setting determines how long the Magellan will wait for a response from the base station once a basket download has been started. It also determines how long the Magellan will remain disabled for normal scanning when a basket ID label is read and processed.

The style and behavior of the POS terminal must be considered when adjusting these settings. They must be set high enough to give the POS enough time to respond with a disable command when an exception item is sent but they should be set as low as possible to improve throughput during the basket download. POS terminals may be loosely grouped into two types: ones that send a disable and enable command following every label and ones that only send disable commands when an exceptional label is received. The PreScan system can be configured for each of these POS types.

For POS terminals that send disable and enable commands following every label, the enable command is taken as confirmation that the POS is ready to accept another label. The inter-label delay is cleared when the enable command is received and the next label is sent immediately. In these environments, the POS determines the overall throughput during the basket download because it provides positive confirmation (the enable command) that it is ready for the next label.

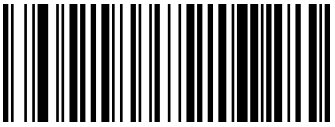
For POS terminals that only send disable and enable commands when exception labels are received, the overall throughput of the basket download is determined by the PreScan Inter-label delay. If no disable command is received before the inter-label delay expires then the next label is sent automatically and the inter-label timer is restarted. If an exception is encountered and the POS sends a disable command to the scanner then the inter-label delay is cleared and the scanner waits until an enable command is received before transmitting the next label and restarting the inter-label delay.

Values for the three configuration items are in 100s of milliseconds.

First Label Delay

Some POS systems have a greater processing overhead on the first label of a transaction. To allow a longer delay after the first bar code, use these settings:

First label delay = 200ms



06ED02

First label delay = 300ms

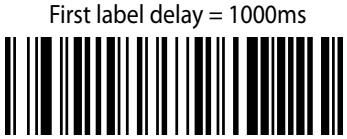
06ED03

First Label Delay (continued)

First label delay = 500ms

06ED05

First label delay = 1000ms



06ED0A

Inter-Label Delay

Use the inter-label delay to balance the timing of labels sent from the Magellan to the POS. The delay should be long enough for the POS to process incoming labels and disable the Magellan if needed, without slowing the transaction needlessly. The default value is 300ms.

Inter-label delay = 100ms

06EC01

Inter-label delay = 200ms

06EC02

Inter-label Delay (continued)

Inter-label delay = 300ms

06EC03

Inter-label delay = 400ms

06EC04

Inter-label Delay (continued)

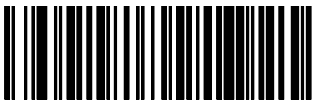
Inter-label delay = 500ms

06EC05

Per Label Beep Duration

Use this setting to specify how long the Magellan will beep upon receiving each label transmitted from the handheld. Setting options are 10 mS through 60 mS in increments of 10mS.

Per Label Beep Duration = 10 mS



06FC01

Per Label Beep Duration = 20 mS

06FC02

Per Label Beep Duration (continued)

Per Label Beep Duration = 30 mS

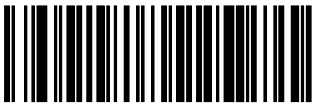
06FC03

Per Label Beep Duration = 40 mS

06FC04

Per Label Beep Duration (continued)

Per Label Beep Duration = 50 mS



06FC05

Per Label Beep Duration = 60 mS

06FC06

Start Basket Notification

These settings control how the Magellan beeps at the beginning of a PreScan basket:

Disable Start Basket Notification

06FD00

Start Basket Beep Duration = 10 mS

06FD01

Start Basket Notification (continued)

Start Basket Beep Duration = 20 mS

06FD02

Start Basket Beep Duration = 30 mS

06FD03

Start Basket Notification (continued)

Start Basket Beep Duration = 50 mS

06FD05

Start Basket Beep Duration = 100 mS

06FD0A

End Basket Notification

These settings control how the Magellan beeps when the transmission of PreScan data is complete.

End Basket Notification = Disabled

06FE00

End Basket Beep Duration = 10mS

06FE01

End Basket Notification (continued)

End Basket Beep Duration = 20mS

06FE02

End Basket Beep Duration = 30mS

06FE03

End Basket Notification (continued)

End Basket Beep Duration = 50mS

06FE05

End Basket Beep Duration = 100mS

06FE0A

Magellan Options for PreScan Control Cards

Each customer assisted by the PreScan associate should be provided with a unique bar code to be presented at the checkstand. See "About PreScan Control Cards" on page 59 for more information. There are several Magellan configuration options for Control Cards.

Enable/Disable Control Cards

To disable or re-enable the Magellan to read Control Cards, scan the following bar codes. They are enabled by default.

Enable (Default)

06E00D

Disable

06E000

UPC with Prefix 4

Scan these bar codes to enable/disable loyalty cards that use UPC codes with the prefix 4:

Enable UPC codes with prefix 4

06E101

Disable

06E100

EAN-13 with “24”

To enable loyalty cards using code EAN-13 with "24" as the first two characters, use these barcodes:

Enable

06E204

Disable

06E200

Send Label on POS Enable

This feature is useful for POS systems that send disable/enable commands after each label. To cancel the inter-label delay and transmit the next barcode when the POS sends an enable command, use these labels:

Enable - send label on POS enable

06FB00

Disable - send label on POS enable (use full delay)

06FB01

Transmit Control Card Data to POS

Each of the different kinds of control card can be transmitted to the POS. Use these settings to control what is sent:

Enable: Transmit Datalogic control cards

06E901

Disable: Transmit Datalogic control cards

06E900

Transmit UPC-A Loyalty Card

Enable: Transmit Loyalty card (UPC-A)

06EA01

Disable: Transmit Loyalty card (UPC-A)

06EA00

Transmit EAN-13 Loyalty Card

Enable: Transmit Loyalty card (EAN-13)

06EB01

Disable: Transmit Loyalty card (EAN-13)

06EB00

NOTES

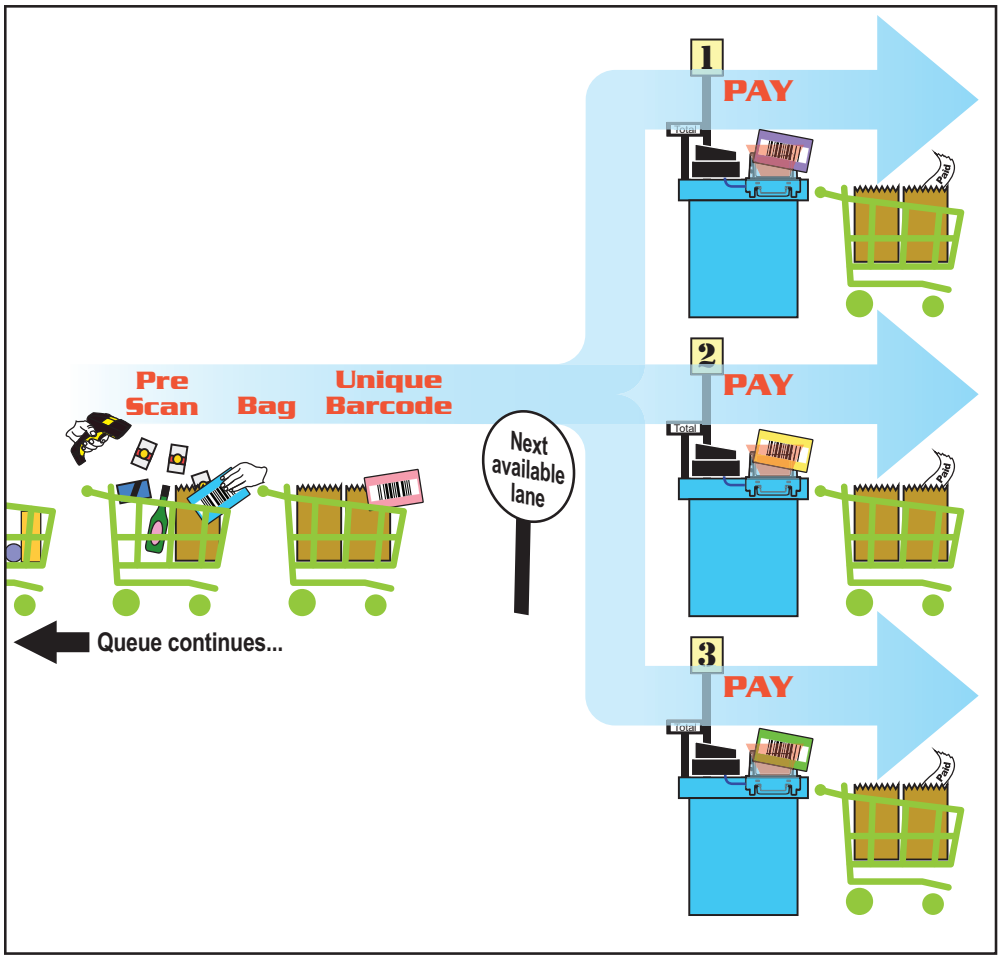
Chapter 5
Using PreScan

PreScan Mode

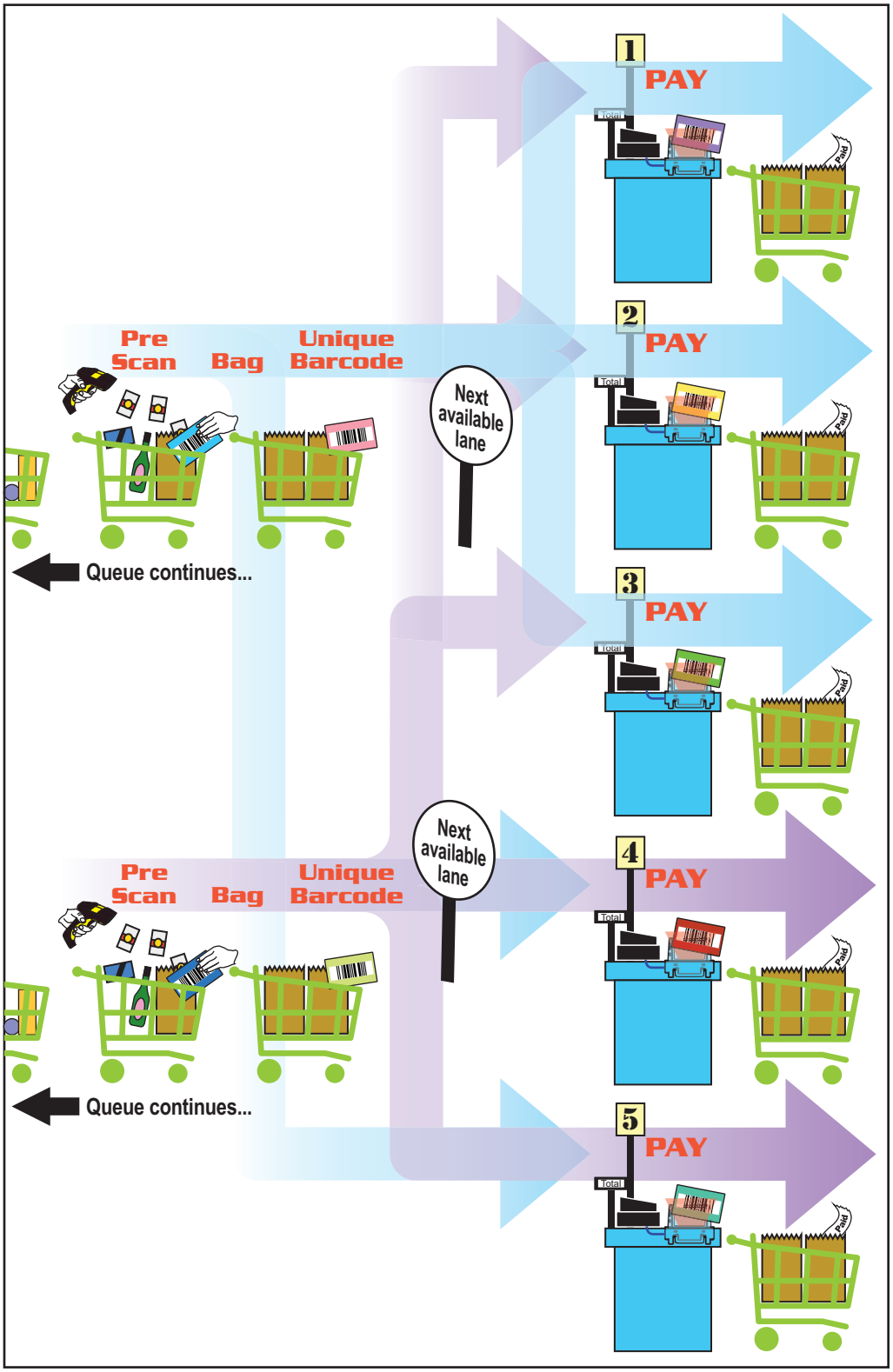
PreScan is designed for use in queuing situations where customers might change from one queue to another depending on wait times, or where customers form a single line to feed multiple checkstands. In this case, a roving sales assistant scans item bar codes into memory and bags them. A PreScan control card containing a bar code unique to that transaction is scanned and handed to the customer. Alternatively, customer loyalty cards can often be used as PreScan control cards.

When the customer reaches the checkstand, the cashier scans the PreScan control card or customer loyalty card using the existing Magellan scanner, which then interfaces with the handheld unit to recall all stored bar code data for that customer. In this mode the handheld can store data from multiple customers, and only the data associated with the specific control card is transmitted to the POS at the end of the transaction.

PreScan Multi Lane



PreScan Multi Lane Using Two Roving (PreScan) Assistants



Checkstand Cashier Tasks

The checkstand cashier takes the unique customer bar code from the customer and scans it on the Magellan to initiate the download of the data from the handheld scanner. The items will beep through the Magellan in the same way as if manually scanned on the Magellan, and optionally (default) with a different, shorter beep tone. See PreScan Configuration Options for Magellan starting on page 33 for configuration choices.

If the download is not initiated within a few seconds, the cashier should re-scan the unique customer bar code, as the radio may be busy handling other requests for data.

If data is still not forthcoming it may, in unusual circumstances, be necessary to put the bar code to one side and scan the customer's basket again. In this situation the cashier should make the roving sales assistant or a supervisor aware that the basket failed. The roving sales assistant can then check that basket on the handheld by re-scanning the unique customer bar code to see if there is data in memory associated with that bar code or not.

PowerScan Options

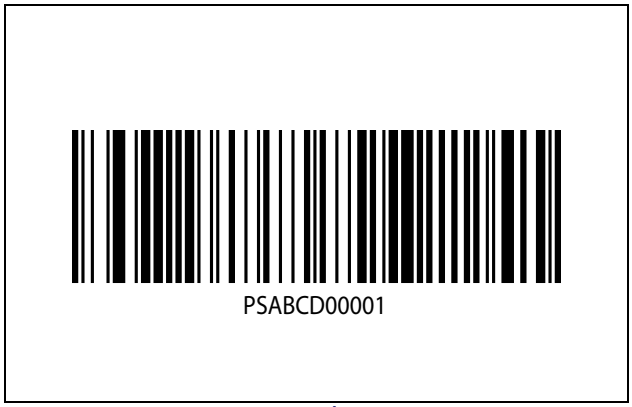
About PreScan Control Cards

The PreScan control card, also called a Basket ID card, is an important part of the system. The control card has a unique bar code printed on it that serves as a way to identify the electronic record of a customer's order stored in the handheld scanner. When the card is scanned at the POS, the fixed scanner starts a search for the associated record in all handheld scanners within radio range.

The card also serves as a communications vehicle for the customer and cashiers. It communicates to the customer in tangible form what is happening and what to do next. It communicates to the cashier that this customer's order has already been scanned.

Sample PreScan Control Card

Front



Back

Although PreScan can be set up to use store loyalty cards for basket ID control cards, using loyalty cards will inevitably mean a mix of store control cards and customer loyalty cards. Special control cards have the benefit of acting as a training vehicle for customers and can have simple instructions printed on them for customers who are new to the PreScan experience. Customers bring preconceptions for what a loyalty card is and what it does, which can lead to confusion and misunderstanding. For example, when a customer forgets his card, many times a

second customer in the queue will offer use of her card in order to obtain price discounts. If the second customer received PreScan service tied to the loyalty card, all her purchases will be added to the first customer's total. Stores planning to use loyalty cards for Prescanning should carefully consider strategies for educating uninitiated customers.

Creating Control Card Bar Codes

The bar code on control cards should be Code128 at least 10 mil (ideally 13 mil or larger) and preferably 25mm high to allow for most efficient scanning by the Magellan. It needs to contain the following data with human-readable text below it:

<Header><Unique Code Number>

See above for an example of a completed control card.

Header:

<[FCN3][PSABCD]>

The header is code 128 special character **<FCN3>** which is unprintable, followed by the letters **PS**, then four alpha-numeric characters. The final four characters can be anything and are ignored by the scanner.

Unique Code Number:

The unique code number can be any number in the range of 00001 to 99999. Each customer using the system at a given time must have a unique number. Duplicate customer numbers could cause potential loss of a customer's data or accidental merging of transactions.

DO NOT scan the Switch Bar Code in conjunction with the Unique Customer Bar Code. It is not a programming label.

Loyalty Cards

In-Store Loyalty Card:

EAN13 starting with “24”:
24<Customer ID Number>

or

UPCA starting with “4”:
4<Customer ID Number>

Magellan Programming

To configure the settings for how the Magellan handles Control Cards, see Magellan Options for PreScan Control Cards, starting on page 49.

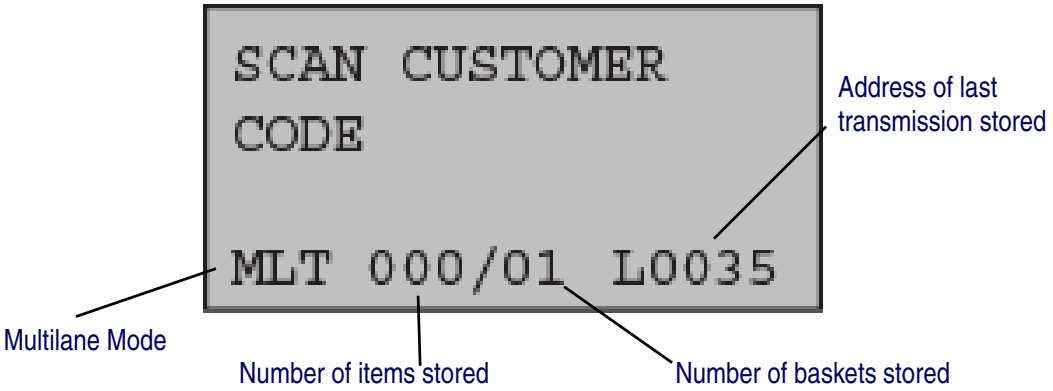
Roving Sales Associate Tasks

1. A roving sales associate (assistant) takes the handheld unit assigned and scans the following bar code to place it in Multi Lane Operation Mode.

Enter Multi Lane Operation Mode

#+BPull

2. The PowerScan will display something similar to the following on its screen:



3. The assistant then scans a unique customer bar code to initiate the transaction for that customer. See "Next Session Prompt" on page 17.

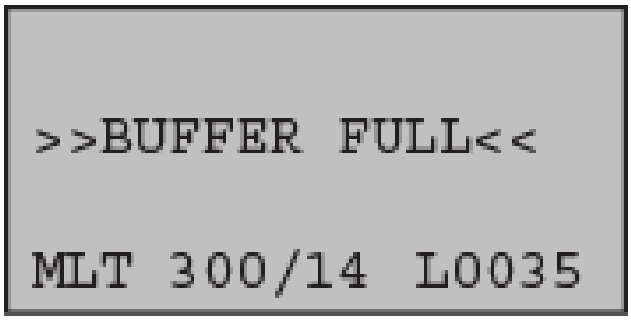
The unique customer bar code should be presented to the customer by the assistant before continuing to the next basket. This could be performed either before or after scanning and bagging is complete.

4. The assistant begins scanning and bagging that customer's items.

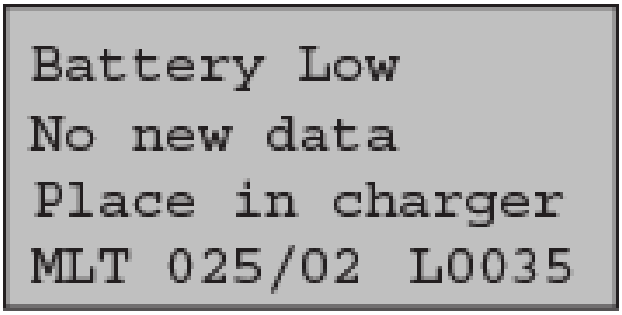
   EAS-tagged and produce items will need to remain unscanned and unbagged to be handled by the cashier at the checkstand.

5. If it is determined an item must be deleted from the scanned list stored in the handheld, the assistant (or an authorized employee/supervisor) can use the handheld keypad to optionally scroll through and delete the item(s) shown on its display.

6. If its memory buffer becomes full, the handheld will sound an error tone and briefly display the message shown below. Additionally, the handheld will discontinue green spot acknowledgement of scans, since they will not be accepted until the memory is cleared.



7. If the battery becomes low, the display will warn the user as shown below. If the battery becomes critically low, the handheld will refuse addition of more data beyond the current basket until the charge level rises to at least one bar of charge. When not in use, the handheld should be returned to a Base Station/charger.



CAUTION

If the feature "60-Minute Data Timeout on Inactivity" has been enabled, the assistant should be notified that leaving the handheld inactive for more than 60 minutes will cause all data to be cleared from the handheld. See page 15 for more details.

The assistant should also be aware that when a unique customer bar code for a previous customer is scanned at a checkstand, their handheld unit will automatically commence upload of earlier stored data to the POS. This could possibly slow down or momentarily interrupt the function of the handheld.

8. After finishing with scanning/bagging a basket, the assistant should ensure the customer has their unique customer bar code so they can complete their purchase at the checkstand.

9. When ready for the next customer, the assistant scans the next unique customer bar code to initiate the next session.

The handheld display may or may not prompt the assistant to press ENTER to start the next session. See "Next Session Prompt" on page 17 for more details.

PreScan for Gryphon

Control Cards

See "About PreScan Control Cards" on page 59 for a description of Control Cards. By default, PreScan control cards are enabled on the Gryphon. If you need to re-enable PreScan control card format, scan this label:

Enable DLS LC

To disable the Gryphon PreScan control card format, scan this label:

Disable DLS LC

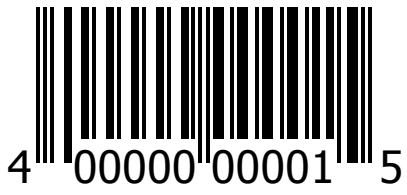
Loyalty Cards

PreScan has the ability to use a store's customer loyalty card as control cards. Two common formats are supported.

UPCA

If store loyalty cards are issued with unique identifying barcodes using a UPC code with prefix "4" they can be used as PreScan control cards.

Example:



When enabled, the barcode above will open a basket record on the scanner with ID 00000000015.

To enable this type of control card at the Gryphon scanner, scan this label:

Enable UPCA LC

$P,Bn05,P

To disable this type of control card at the Gryphon scanner, scan this label:

Disable UPCA LC

$P,Bn04,P

The Magellan scanner must also be configured to recognize UPCA control cards.

EAN13

Store loyalty cards that use an EAN13 code with prefix "24" can also be used as PreScan control cards.

Example:

2 400000 000013

When enabled, the barcode above will open a basket record on the scanner with ID 00000000013.

To enable this type of control card at the Gryphon scanner, scan this label:

Enable EAN13 LC

$P,Bn09,P

To disable this type of control card at the Gryphon scanner, scan this label:

Disable EAN13 LC

$P,Bn08,P

The Magellan scanner must be configured to recognize UPC-A and EAN13 control cards.

To enable all of types of supported control and loyalty cards, read the label below:

Enable all types of control cards

$P,BnFF,P

Disable all types of control card supported:

Disable all types of control card

$P,Bn00,P

The default setting is to allow all formats.

How to PreScan with Gryphon

There are three steps to store a basket record on the Gryphon scanner.

1. Scan a control card to create the basket record
2. Scan the customer's items
3. Scan the control card again to close the basket record

If the customer makes additional selections after a record is closed, it can be added to by following the same steps listed above.

Alternatively, the following label can be used to close any open basket record:

When the customer is next in the queue, they should hand the control card to the cashier. The cashier scans the control card at the Magellan scanner. The Magellan then reads the basket record from the Gryphon scanner and sends the data to the POS terminal. The record is then deleted from the Gryphon's memory.

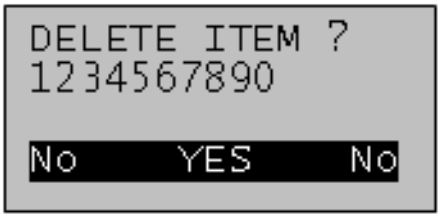
Editing the Basket Record on the Gryphon

Delete an Item

To delete an item in a basket the basket record must be open. Either scan the control card associated with the basket, or use the arrow keys '▲' and '▼' key to select the basket from a list of stored baskets. Press "ENTER" to open the basket.

Then follow the same process to select the item in the record to delete. Use the arrow keys '▲' and '▼' key to select the item's code from a list of stored items. Press "ENTER" to delete the item.

The display will show the following screen:



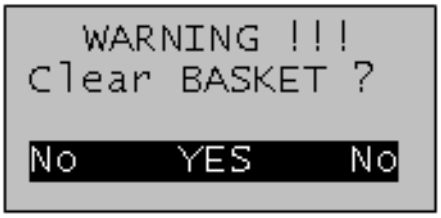
Press the "Enter" key to confirm.

Delete All Items in Open Basket

To delete an entire basket record, select the record using the arrow keys, as above. Then scan the label below to delete the record.

#+BClear

The display will show the following screen:



Press the "Enter" key to confirm.

Delete All Baskets

To delete an all saved basket records scan the label below.

#+BDeleteAll

The display will show the following screen:

Press the "Enter" key to confirm.

Delete an Open Basket

PreScan allows use delete the current basket (opening basket). To delete the opening basket, scan label below.

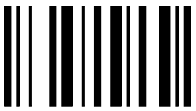
#+BDeleteBsk

The display will show the following screen:

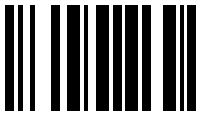
Press the "Enter" key to confirm.

Appendix A
PowerScan™ Keypad

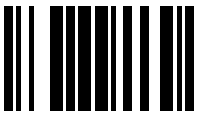
Use the bar codes in this appendix to enter numbers as you would select digits/characters from a keypad.



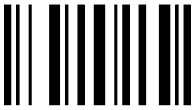
5



6



7



8

9

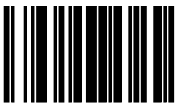
Appendix B
Magellan Keypad

Use the bar codes in this appendix to enter numbers and characters as you would select digits/characters from a keypad. Scan your selection from the bar codes below. You'll need to cover any unused bar codes on this and the facing page to ensure that the scanner reads only the bar code you intend to scan.

0

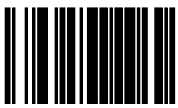
1

2

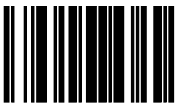


3

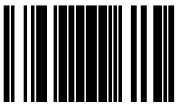
4



5

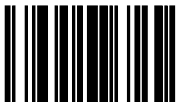


6

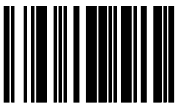


7

8



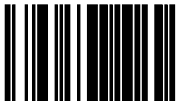
9



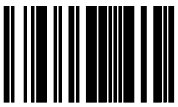
A

B

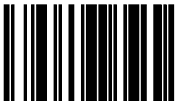
C



D



E



F

NOTES

NOTES

ASCII Chart

ASCII Char.	Hex No.	ASCII Char.	Hex No.	ASCII Char.	Hex No.	ASCII Char.	Hex No.
NUL	00	SP	20	@	40	‘	60
SOH	01	!	21	A	41	a	61
STX	02	“	22	B	42	b	62
ETX	03	#	23	C	43	c	63
EOT	04	$	24	D	44	d	64
ENQ	05	%	25	E	45	e	65
ACK	06	&	26	F	46	f	66
BEL	07	’	27	G	47	g	67
BS	08	(	28	H	48	h	68
HT	09	)	29	I	49	i	69
LF	0A	*	2A	J	4A	j	6A
VT	0B	+	2B	K	4B	k	6B
FF	0C	,	2C	L	4C	l	6C
CR	0D	-	2D	M	4D	m	6D
SO	0E	.	2E	N	4E	n	6E
SI	0F	/	2F	O	4F	o	6F
DLE	10	0	30	P	50	p	70
DC1	11	1	31	Q	51	q	71
DC2	12	2	32	R	52	r	72
DC3	13	3	33	S	53	s	73
DC4	14	4	34	T	54	t	74
NAK	15	5	35	U	55	u	75
SYN	16	6	36	V	56	v	76
ETB	17	7	37	W	57	w	77
CAN	18	8	38	X	58	x	78
EM	19	9	39	Y	59	y	79
SUB	1A	:	3A	Z	5A	z	7A
ESC	1B	;	3B	[	5B	{	7B
FS	1C	<	3C	\	5C	|	7C
GS	1D	=	3D	]	5D	}	7D
RS	1E	>	3E	^	5E	~	7E
US	1F	?	3F	_	5F	DEL	7F

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