Wireless 2D Pocket Scanner

- MS926P -

User Manual

Version 1.1

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Change Log

Date	Change Description	Version
20230606	first published version	1.0
20250627	Add Barcodes on P. 97	1.1

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Preface

About This Manual

Thank you for purchasing the Unitech product.
This manual explains how to install, operate and maintain our product.
No part of this publication may be reproduced or used in any form, or by any electrical or mechanical means, such as photocopying, recording, or information storage and retrieval systems, without permission in writing from the manufacturer. The material in this manual is subject to change without notice. All product and company names are trademarks, service marks, or registered trademarks of their respective owners.

Regulatory Compliance Statements

FCC Warning Statement

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference with radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference with radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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–Reorient or relocate the receiving antenna.
–Increase the separation between the equipment and receiver.
–Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
–Consult the dealer or an experienced radio/TV technician for help.

1. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This device complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. To maintain compliance with FCC RF exposure requirements, avoid direct contact to the transmitting antenna during transmitting.
3. Any changes or modifications (including the antennas) made to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment.

Operation on the 5.15 - 5.25GHz frequency band is restricted to indoor use only. The FCC requires indoor use for the 5.15-5.25GHz band to reduce the potential for harmful interference to co-channel Mobile Satellite Systems. Therefore, it will only transmit on the 5.25-5.35 GHz, 5.47-5.725 GHz and 5.725 – 5.850 GHz band when associated with an access point (AP).

FCC Label Statement

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

RF Radiation Exposure Statement

For body contact during operation, this device has been tested and meets FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the handset a minimum of 1.5 cm from the body.
Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

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Canadian Compliance Statement

This Class B Digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numerique de la classe B respecte les exigences du Reglement sur le material broilleur du Canada.

European Conformity Statement

Unitech Electronics co., Ltd herewith declares that the Unitech product is in compliance with the essential requirements and all other provisions of the RED 2014/53/EU directive, the EMC 2014/30/EU directive and the Low Voltage 2014/35/EU directive.
The declaration of conformity is available for download at :
https://portal.Unitech.eu/public/Safetyregulatorystatement

CE RF Exposure Compliance

This device meets EU requirements (2014/53/EU) on the limitation of exposure of the general public to electromagnetic fields by way of health protection.
For body-worn operation, this device has been tested and meets the ICNIRP guidelines and the European Standard EN 62209-2, for use with dedicated accessories, SAR is measured with this device at a separation of 0.5 cm to the body, while transmitting at the highest certified output power level in all frequency bands of this device. Use of other accessories which contain metals may not ensure compliance with ICNIRP exposure guidelines.

CE Mark Warning

CE

This equipment complies with the requirements of Directive 2014/53/EU of the European Parliament and Commission from 24 May, 2014 governing Radio and Telecommunications Equipment and mutual recognition of conformity.

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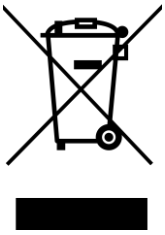
RoHS Statement

This device conforms to RoHS (Restriction of Hazardous Substances) European Union regulations that set maximum concentration limits on hazardous materials used in electrical and electronic equipment.

Waste electrical and electronic equipment (WEEE)



Unitech has set up a policy and process to meet the EU directive 2002/96/EC and update 2003/108/EC concerning electronic waste disposal.

For more detailed information of the electronic waste disposal of the products you have purchased from Unitech directly or via Unitech's resellers, you shall either contact your local supplier or visit us at : https://portal.Unitech.eu/public/WEEE

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Taiwan NCC Warning Statement

低功率電波輻射性電機管理辦法

第十二條：經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

第十四條：低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。

低功率射頻電機需忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

注意事項:

1. 使用過度恐傷害視力。
2. 使用30分鐘請休息10分鐘；2歲以下幼兒不看螢幕，2歲以上每天看螢幕不要超過1小時。
3. 減少電磁波影響，請妥適使用。

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Laser Information

The Unitech product is certified in the U.S. to conform to the requirements of DHHS/CDRH 21CFR Subchapter J and to the requirements of IEC 825-1. Class II and Class 2 products are not considered to be hazardous. The Unitech product contains internally a Visible Laser Diode (VLD) whose emissions do not exceed the maximum limits as set forth in the above regulations. The scanner is designed so that there is no human access to harmful laser light during normal operation, user maintenance or prescribed service operations.

The laser safety warning label required by the DHHS/IEC for the Unitech product's optional laser scanner module is located on the memory compartment cover, on the back of the unit.

* Laser information only applies to the products with laser components.

CAUTION! Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous laser light. Use of optical instruments with the scanner, including binoculars, microscopes, and magnifying glasses, with will increase eye damage. This does not include eyeglasses worn by the user.

LED Information

The Unitech product contains LED indicator(s) or LED ring whose luminance is not harmful to human eyes during normal operation, user maintenance or prescribed service operations.

*LED information only applies to the products with LED components.

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Battery Notice

1. To guarantee optimal performance, it is recommended that rechargeable batteries be replaced every year, or after 500 charging cycles are completed. It is normal for the battery to balloon or expand after one year or 500 cycles. Although it does not cause damage, it cannot be used again and must be disposed of according to the location's safe battery disposal procedures.
2. If a battery performance decreases more than 20%, the battery is at the end of its life cycle. Stop use and ensure the battery is disposed of properly.
3. The length of time that a battery lasts depends on the battery type and how the device is used. Conserve the battery life by doing the following:
   - Avoid fully uncharging the battery because this places additional strain on it. Several partial uncharges with frequent charges are better than a fully uncharged battery. Charging a partially charged battery does not cause harm to the unit.
   - Keep the battery cool. Avoid hot vehicles. For prolonged storage, keep the battery at a 40% charge level.
   - Do not leave the battery uncharged and unused for an extended period of time, the battery will wear out and the longevity of the battery will be at least half of one with frequent charges.
4. Protect battery life by not over or under charging the battery.
5. Please do not leave battery unused for long time without charging it. Despite Unitech's safety precautions, the battery pack may begin to change shape. If so, stop using it immediately. Please check to see if you are using a proper power adapter to charge the battery or contact your service provider for service.
6. If you cannot charge the battery after it has been idle for an extended period of time and it begins to heat up, please do not try to charge it. It may not be functional anymore.
7. Please only use the original battery from Unitech. Using a third party battery can damage our products. Please note that when such damage occurs, it is not covered by your warranty.

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CAUTION!

- RISK OF EXPLOSION IF BATTERY IS REPLACED INCORRECTLY.
  DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.
- 如果更換不正確之電池行事會有爆炸的風險
  請依製造商說明書處理用過之電池
- 如果更换不正确之电池行事会有爆炸的风险
  请依制造商说明书处理用过之电池

Battery charge notice

It is important to consider temperature when the battery pack is charging. Charging is most efficient at normal room temperature or in a slightly cooler environment. It is essential that batteries are charged within the stated range of 0˚C to 40˚C. Charging batteries outside of the specified range could damage the batteries and shorten their life cycle.

CAUTION! Do not charge batteries at a temperature lower than 0˚C. This will and make the batteries unstable and dangerous. Please use a battery temperature detecting device for a charger to ensure a safe charging temperature range.

CAUTION! To ensure the unit working properly, please keep all connectors away from the contaminants staying inside of them such as dust, grease, mud, and water. The negligence may cause the unit with no communication, short circuited, overheated and so on.

CAUTION! If the connector is damaged, please ensure the connector is being fully repaired before use the unit to avoid causing short circuited.

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Storage and safety notice

Although charged batteries may be left unused for several months, their capacity may be depleted due to build up of internal resistance. If this happens, they will require recharging prior to use. Batteries may be stored at temperatures between -20°C to 60°C, however they may deplete more rapidly at higher temperatures. It is recommended to store batteries at room temperature.

** The message above only applies to the usage of the removable batteries. For the products with non-removable batteries / without batteries, please refer to the specification of each product.*

Product Operation and Storage Notice

The Unitech product has applicable operation and storage temperature conditions. Please follow the limitation of suggested temperature conditions to avoid failure, damage or malfunction.

**For applicable temperature conditions, please refer to the specification of each product.*

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Adapter Notice

1. Please do not leave the power adapter in the socket when it is not connected to your Unitech product for charging.
2. Please remove the power adapter when the battery is fully recharged.
3. The bundled power adapter that comes with your Unitech product is not meant to be used outdoors. An adapter exposed to water or rain, or a very humid environment can cause damage to both the adapter and the product.
4. Please only use the bundled power adapter or same specification of adapter to charge your Unitech product. Using the wrong power adapter can damage your Unitech product.

** The message above only applies to the product connected to the adapter. For the products without using the adapters, please refer to the specification of each product.*

Hearing Damage Warning

Zx.3 Warning

The warning shall be placed on the equipment, or on the packaging, or in the instruction manual and shall consist of the following:

- the symbol of Figure 1 with a minimum height of 5 mm; and
- the following wording, or similar :

To prevent possible hearing damage, do not listen at high volume levels for long periods.

Figure 1 – Warning label (IEC 60417-6044)

Alternatively, the entire warning may be given through the equipment display during use, when the user is asked to acknowledge activation of the higher level.

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Worldwide Support

Unitech's professional support team is available to quickly answer questions or assist with technical-related issues. Should an equipment problem occur, please contact the nearest Unitech regional service representative.
For complete contact information please visit the Web sites listed below:

Taipei, Taiwan – Headquarters		Europe & Africa	
Tel:	+886-2-89121122	**Tel:**	+31-13-4609292
E-mail:	info@hq.ute.com	**E-mail:**	info@eu.ute.com
Address:	5F, No. 136, Lane 235, Baoqiao Road, Xindian District, New Taipei City 231, Taiwan (R.O.C.)	**Address:**	Kapitein Hatterasstraat 19, 5015 BB, Tilburg, the Netherlands
Website:	http://www.ute.com	**Website:**	http://eu.ute.com
Mainland China		**Japan**	
Tel:	+86-59-2310-9966	**Tel:**	+81-3-62310896
E-mail:	info@cn.ute.com	**E-mail:**	info@unitech-japan.co.jp
Address:	Room401C, 4F, RIHUA International Mansion, Xinfeng 3nd Road, Huoju Hi-tech District, Xiamen, Fujan, China	**Address:**	3F Tosei Building, 18-10, Nihonbashi-Hakozakicho, Cyuouku, Tokyo 103-0015, Japan
Website:	http://cn.ute.com	**Website:**	https://jp.ute.com
Asia & Pacific / Middle East		**Latin America**	
Tel:	+886-2-27911556	**Tel:**	+52-55-5171-0528
E-mail:	info@tw.ute.com	**E-mail:**	info@latin.ute.com
Address:	4F., No. 236, ShinHu 2nd Rd., NeiHu Chiu, 114, Taipei,Taiwan	**Address:**	Av Insurgentes Sur Nro. 859-Segundo Piso Colonia Nápoles - Delegación Benito Juárez - CP03810 CDMX
Website:	http://apac.ute.com	**Website:**	http://latin.ute.com
North America		**Please scan QRCode to visit us:**	
Tel:	+1-714-8916400		
E-mail:	info@us.ute.com / info@can.ute.com		
Address:	6182 Katella Ave, Cypress, CA 90630, USA		
Website:	http://us.ute.com		

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Warranty Policy

The items covered under the Unitech Limited Warranty are free from defects during normal use.
The warranty period is varied from each country. Please consult with your supplier or Unitech local office for actual length of warranty period to your purchased product.

Warranty becomes void if equipment is modified, improperly installed or used, damaged by accident or neglect, or if any parts are improperly installed or replaced by the user.

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Chapter 1 - Overview

1.1 Package

Please make sure the following contents are in the MS926P gift box.
If something is missing or damaged, please contact your Unitech representative.

The standard package contents

- MS926P Scanner
- Quick Reference Guide
- USB Type-C Cable
- Hand Strap
- USB Dongle

Optional accessories

- 1-Slot Charging cradle
- 5-Slot Charging cradle
- USB Power Adapter

NOTE: ● The barcode with an asterisk (*) which appears in the following chapters indicates that it is the default option for the corresponding setting.

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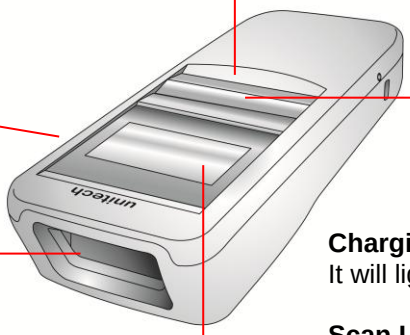
1.2 Scanner Detail



Scan & Power Button
Power On/Off & Scan barcode

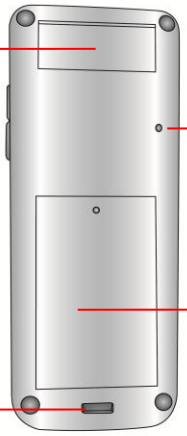
Page up / Page down keys
(on the side of MS926P)
Move up / down through list of menu items

Scan Window

Charging Status LED (Red LED)
It will light up while the scanner is charging

Scan LED (Green LED)
It will light up while the barcode is successfully scanned

Screen
Show the information on the screen



Unitech Logo

Reset Key
press one time: power off

Product Label

Hand Strap Hole

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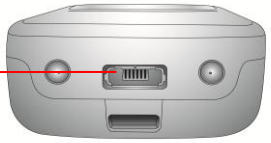
USB Type-C Connector
For scanner charging and data transmission



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1.3 Specifications

System				
Display	1" OLED, 128 x 64			
OS	Proprietary, Connect to host with Windows			
Memory	64 Kbytes SRAM / 2 MB Flash ROM			
Key	3 Keys: Page Up, Page Down, Scan with power on/off feature			
Optical & Performance				
Receiving Device	752×480 CMOS			
Illumination & Aiming	Red LED 625nm±10nm, Laser diode 650nm			
Aiming	Laser diode 650nm			
Ambient light	0~100,000 lux			
Symbol Contrast	≥20%			
Roll Angle	360 degrees			
Field of View	Horizontal 36°, Vertical23°			
Skew Angle	±55			
Pitch Angle	±55			
Depth of Field (DOF PCS=80%)	Symbology	Density	Near	Far
	EAN-13	13 mils	6.0 cm	29 cm
	Code 39	5 mils	5.5 cm	16.5 cm
	PDF417	6.7 mils	5.5 cm	13.5 cm
	Data Matrix	10 mils	5.5 cm	13 cm
	QR	15 mils	4.5 cm	17.5cm

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Environmental	
ESD Protection	Functional after 8K Contact and 12K Air
Mechanical Shock	1.5m onto concrete (scanner only)
IP Rate	IP42
Operating Temperature	0°C to 50°C
Storage Temperature	-30°C to 70°C
Relative Humidity	95% non-condensing
Functionality (Symbologies)	
1D Code	Code 128, EAN-13, EAN-8, Code 39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ITF-6, ITF-14, ISBN, Code 93, UCC/EAN-128, GS1 Databar, Matrix 2 of 5, Code 11, Industrial 2 of 5, Standard 2 of 5, Plessey, MSI-Plessey, etc.
2D Code	PDF417, Data Matrix (ECC200, ECC000, 050, 080, 100, 140), QR Code, Chinese Sensible Code
Operation Mode	Trigger mode, Presentation mode, Auto mode, Batch mode, Wedge mode
Electrical	
Operation Voltage	DC 3V to 5V
Current Consumption	Operate: 300mA, Standby: 70mA
Battery Type	Rechargeable Li-ion battery
Battery Capacity	680 mAh
Battery Charging time	Fully charged in about 4 hours
Operating Time	9 hours at condition of 1 scan/5 sec

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Communication	
Radio Frequency	Unlicensed 2.4GHz
Protocol	Wireless SPP & HID profiles
Range	Up to 10M (Open space)
Host Interface supported	USB Type-C
Mechanical	
Scanner Dimension	36.9mm x 95.9mm x 21.1mm
Scanner Weight	63g
Switch life	10 million times
Regulation Approvals	
CE, FCC, BSMI, VCCI	

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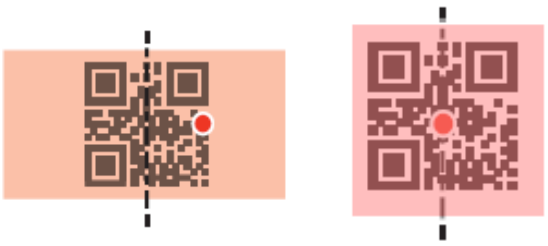
1.4 Getting Started

To turn on the scanner, press and hold the **Scan & Power Button** for about 2 seconds. To turn off the scanner, press and hold the **Scan & Power Button** for about 5 seconds.
After powering on, you will see the following screen on the scanner display. The scanner is now under standby mode. Now you can scan the desired barcode or start the BT pairing mode.
The standby display will show the current **Battery Status**, **Scanner Type**, **Operation Mode**, and **Time**.

The aiming beam can be **centered** over the bar code with any direction and have the proper alignment for a good read. (see example below)



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1.4.1 Connect Dongle to Host

Plug the USB Dongle to a free USB port of a host computer.
The MS926P is now ready to use.

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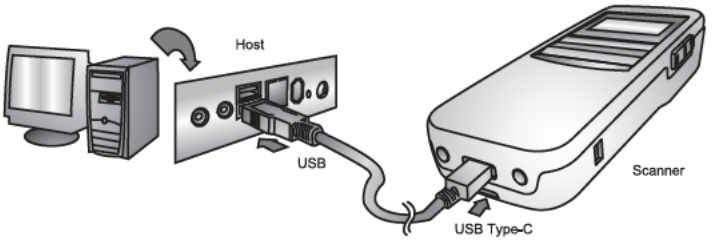
1.5 Battery Charging



Insert the USB Type-C connector into the port on the scanner and the standard USB connector of the USB cable into a USB port on the host PC.

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1.6 LED Indicator / Beeper Sequence

Division	Action/Status	LED for Barcode reading & Communication	LED for Battery status	Beep / Sound
Power On		Green & Red Lights blink once		One High Beep
Auto Power Off	Long press trigger key for 5 seconds			Three short beeps at 15 seconds before power off
USB connection				Low- Medium –High Beeps
USB disconnection				High- Medium –Low Beeps
Barcode reading	Wedge & Auto (When BT Connect)	Green Light blinks once		One Beep
	Batch	Green Light blinks once		One short Beep
	Wedge & Auto (When BT Disconnect)	Green Light blinks once		One short Beep
Data sent to PC	Data sent to PC successfully (Batch)	Green Light blinks once		Dee-Du sound
	Fail sent data to PC (Batch)	Red Light blinks once		Dee-Dee-Dee sound
Data delete		Green Light blinks once		
All Data delete		Deleting- Green light always on		
RF connection				Low- Medium –High Beeps
RF disconnection				High- Medium –Low Beeps
Low Battery Alarm (<10%)	(USB charging cable disconnected)		Blinking Red Light	
Battery charging	(USB charging cable connected)		Red light always on	
Battery Fully charged	(USB charging cable connected)		Green light always on	

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1.7 Display Menu Tree

To enter main menu of MS926P, press and hold Page Down key and then press Page Up key for 5 seconds. (During one handed operation, you can press the area in between Page Down key and Page Up key to enter the main menu.)
You will see the following screen on the MS926P display. Now you can use **Page Up/Down button** to scroll through the menu and use **Scan button** to make your selection.

Top Menu	Sub Menu Level 1	Sub Menu Level 2/Options/Result	Options/Result	Default Setting
General Setting	1. Scanner Type	1.1 RF HID	n/a	RF HID
		1.2 USB SPP		
		1.3 RF SPP		
	2. Operation Mode	2.1 Wedge Mode	n/a	Auto Mode
		2.2 Batch Mode		
		2.3 Auto Mode		
	3. Date/Time	3.1 View Date/Time	Show Date/Time	2014-01-01 08:00:00
		3.2 Set Date/Time	Set Date/Time	
		3.3 Time Display	3.3.1 Auto	Auto
			3.3.2 Always	
		3.4 Exit	n/a	
	4. Power Manager	4.1 Power Saving	Disable/30/20/15/10/5 Sec.	15 Sec.
		4.2 Auto Power Off	Disable/30/20/15/10/5/3/1 Min.	15 Min.
		4.3 Exit	n/a	
	5. Setup By Label	5.1 Enable	n/a	Enable

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Top Menu	Sub Menu Level 1	Sub Menu Level 2/Options/Result	Options/Result	Default Setting
		5.2 Disable		
	6. FAC Default	6.1 Restore to FAC Default? Yes/No	Save to Selected Customer Setting	No
	7. FW Version	7.1 Show Firmware Version V x.x	n/a	
	8. Serial Number	8.1 Show SERIAL NUMBER XXXXXXXXX	n/a	n/a
	9. Exit	n/a	n/a	n/a

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Top Menu	Sub Menu Level 1	Sub Menu Level 2/Options/Result	Options/Result	Default Setting
Data & Memory	1. View / Edit Buff.	1.1. Show Buffer Data	1.1.1 Exit / Erase/ View	■ If choose Exit, back to DATA/ MEMORY Page ■ If choose Erase, delete data ■ If choose View, continue to view the buffer data ■ For Auto/Batch mode, pressing [ENTER]+[Down] / [ENTER]+[UP] keys to view data longer than 3 lines
	2. Erase Buffer	2.1. Erase Buffer Yes/ No	Erase entry if **Yes** selected	No
	3. Free MEM Space	3.1 Show FREE BUFFER MEM	n/a	
	4. Data Separator	4.1 CR		CR
		4.2 None		
		4.3 TAB		
		4.4 CRLF		
		4.5 LF		

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Top Menu	Sub Menu Level 1	Sub Menu Level 2/Options/Result	Options/Result	Default Setting
	5. Sending BlkDly	5.1 Sending BlkDelay 10ms/3 Sec./1 Sec./500 ms./100 ms./50 ms.		10ms
	6. Date/Time Stamp	6.1 DATE STAMP Disable DDMMYYYY DD.MM.YYYY DD/MM/YYYY DD-MM-YYYY MMDDYYYY MM.DD.YYYY MM/DD/YYYY MM-DD-YYYY YYYYMMDD YYYY.MM.DD YYYY/MM/DD YYYY-MM-DD		Disable
		6.2 TIME STAMP Disable/HHMMAM/ HHMM/ HH:MM AM/ HH:MM/HHMMSSAM/ HHMMSS/ HH:MM:SS AM/ HH:MM:SS		Disable
	7. Data Validation	7.1 Disable	Disable /Enable	Disable
		7.2 1:N Checking	CHECKING START POSITION	CHECKING LENGTH

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Top Menu	Sub Menu Level 1	Sub Menu Level 2/Options/Result	Options/Result	Default Setting
		7.2 1:1 Checking	CHECKING START POSITION	CHECKING LENGTH
		7.3 Lookup Table	Download Lookup	
	8. Exit	n/a	n/a	n/a

Top Menu	Menu	Result	Default Setting
RF INFO	1. RF Address	1.1 RF MAC ADDR	
	2.RF Remove	2.1 Erase ? YES / NO	
	3. Exit		

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Top Menu	Menu	Result	Result	Default Setting
Beep & Vibrate	1. Beeper Volume	1.1 Medium/ Low/ Mute/ High		Medium
	2. Vibrator	2.1 Disable/ Enable		Disable
	3. Indicators	3.1 Good Read	3.1.1 Beeper & Vibrator Vibrator Beeper / None	Beeper & Vibrator
		3.2 Connection	3.2.1 Beeper & Vibrator Vibrator Beeper / None	Beeper & Vibrator
		3.3 Button	3.3.1 Beeper & Vibrator Vibrator Beeper / None	Beeper & Vibrator
		3.4 System Setting	3.4.1 Beeper & Vibrator Vibrator Beeper / None	Beeper
		3.5 System Warn/ Err	3.5.1 Beeper & Vibrator Vibrator Beeper / None	Beeper
		3.6 PwrOn	3.6.1 Beeper & Vibrator Vibrator Beeper / None	Beeper & Vibrator
		3.7 PwrOff Alarm	3.7.1 Beeper & Vibrator Vibrator Beeper / None	Beeper & Vibrator
		3.8 Checking Pass	3.8.1 1:1 / 1:N Checking Pass Indicator Beeper & Vibrator Vibrator Beeper / None	Beeper

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Exit Setup

Top Menu	Menu	Result	Result	Default Setting
		3.9 Checking Fail	3.9.1 1:1 / 1:N Checking Fail Indicator Beeper & Vibrator Vibrator Beeper / None	Beeper
		3.10 Exit	n/a	n/a
	4. Exit	n/a	n/a	n/a

Top Menu	Menu	Sub Menu	Options
Barcode Setting	1. 1D Barcodes	ON / OFF	2.1 UPC-A
			2.2 UPC-E
			2.3 EAN-8
			2.4 EAN-13
			2.5 CODE 39
			2.6 CODE 128
			2.7 GS1 128
			2.8 I 2 of 5
			2.9 NEC 2 of 5
			2.10 CODE 93
			2.11 Codabar
			2.12 Code 11
			2.13 Matrix 2 of 5
			2.14 ITF-14
			2.15 ITF-16

Enter Setup

Exit Setup

Top Menu	Menu	Sub Menu	Options
			2.16 ATM-128
			2.17 ISSN
			2.18 ISBN
			2.19 Industrial 2 of 5
			2.20 Standard 2 of 5
			2.21 MSI PLESSEY
			2.22 PLESSEY
			2.23 Exit
	2. 2D Barcodes	ON / OFF	3.1 QR Code
			3.2 PDF 47
			3.3 Data Matrix
			3.4 Chinese Sensible
			3.5 Micro QR
			3.6 Exit
	3. Exit		n/a

Top Menu	Sub Menu Level 1	Result	Default Setting
HID Keyboard	1. KBD Language	1.1 US English / Japanese / Partial ALT Danish/ ALT Mode/ French / German Italian / Norwegian / Spanish / Swedish/ Swiss/ UK English	US English
	2. KBD Case	2.1 Auto Trace / Upper/ Lower	Auto Trace

Enter Setup

Exit Setup

Top Menu	Sub Menu Level 1	Result	Default Setting
Setting	3. KBD ChrDelay	3.1 1ms/ 100ms/ 50ms/ 20ms/ 10ms/ 5ms	1ms
	4. Exit	n/a	n/a

Enter Setup

Exit Setup

Chapter 2 - Installation

2.1 Scanner Type

Step 1. Scan the barcode on the dongle.

Step 2. Plug the USB Dongle to a free USB port of a host computer.

Step 3. Open a word processing program such as Microsoft Word or Notepad and scan the following barcode. If the word “Unitech” appears on the screen you have successfully installed your scanner.

Enter Setup

Exit Setup

RF HID *

RF SPP

USB SPP

NOTE:

- The MS926P should be recognized as a generic HID device by your host device, similar to a standard keyboard. This allows you to scan into any field you could normally type into.
- If the MS926P is out of RF transmitting range from the host device, it will automatically save any scan data in its buffer memory and automatically upload the scan data to the host when back in RF transmitting range.
- The MS926P can also operate in Batch Mode, where a RF transmitting connection is not required. In Batch Mode, the MS926P saves all scan data in internal memory and then uploads the data when connected to a host. See back page of this guide for more information about modes and settings.

Enter Setup

Exit Setup

Chapter 3 – Symbology

3.1 All symbologies

If the Disable All Symbologies feature is enabled, the engine will not be able to read any non-programming barcodes except the programming barcodes.

All Symbologies On

All Symbologies Off

3.2 Enable/Disable 1D / 2D Symbologies

3.2.1 Enable/Disable 1D Symbologies

If the Disable 1D Symbologies feature is enabled, the engine will not be able to read any 1D barcodes.

Enable 1D Symbologies

Disable 1D Symbologies

3.2.2 Enable/Disable 2D Symbologies

If the Disable 2D Symbologies feature is enabled, the engine will not be able to read any 2D barcodes.

Enable 2D Symbologies

Disable 2D Symbologies

Enter Setup

Exit Setup

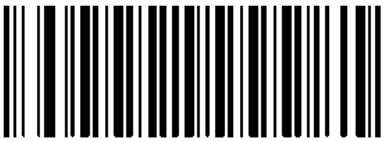
3.3 1D

Before starting any symbology setting, please scan “**Enter Setup**”

Enter Setup

When finished setting, please scan “**Exit Setup**”

Exit Setup



Enter Setup

Exit Setup

3.3.1 Code 128

Restore the Factory Defaults of Code 128

Enable Code 128*

Disable Code 128

Set the Minimum Length for Code 128

Set the Maximum Length for Code 128

Enter Setup

Exit Setup

3.3.2 GS1-128 (UCC/EAN-128)

Restore the Factory Defaults of GS1-128

Enable GS1- 128*

Disable GS1-128

Set the Minimum Length for GS1- 128

Set the Maximum Length for GS1- 128

Enter Setup

Exit Setup

3.3.3 AIM-128

Restore the Factory Defaults of AIM-128

Enable AIM-128*

Disable AIM-128

Set the Minimum Length for AIM-128

Set the Maximum Length for AIM-128

Enter Setup

Exit Setup

3.3.4 EAN-8

Restore the Factory Defaults of EAN-8

Enable EAN-8*

Disable EAN-8

3.3.4.1 Transmit Check Digit

EAN-8 is 8 digits in length with the last one as its check digit used to verify the integrity of the data.

Transmit EAN-8 Check Digit *

Do Not Transmit EAN-8 Check Digit

3.3.4.2 Add-On Code

An EAN-8 barcode can be augmented with a two-digit or five-digit add-on code to form a new one. In the examples below, the part surrounded by blue dotted line is an EAN-8 barcode while the part circled by red dotted line is add-on code.

Enter Setup

Exit Setup

Enable 2-Digit Add-On Code

Disable 2-Digit Add-On Code *

Enable 5-Digit Add-On Code

Disable 5-Digit Add-On Code*

Enable 2-Digit Add-On Code/ Enable 5-Digit Add-On Code:
The engine decodes a mix of EAN-8 barcodes with and without 2-digit/5-digit add-on codes.

Disable 2-Digit Add-On Code/ Disable 5-Digit Add-On Code:
The engine decodes EAN-8 and ignores the add-on code when presented with an EAN-8 plus add-on barcode. It can also decode EAN-8 barcodes without add-on codes.

Enter Setup

Exit Setup

3.3.4.3 Add-On Code Required

When EAN-8 Add-On Code Required is selected, the engine will only read EAN-8 barcodes that contain add-on codes.

EAN-8 Add-On Code Required

EAN-8 Add-On Code Not Required *

Enter Setup

Exit Setup

3.3.4.4 EAN-8 Extension

Disable EAN-8 Zero Extend: Transmit EAN-8 barcodes as is.

Enable EAN-8 Zero Extend:
Add five leading zeros to decoded EAN-8 barcodes to extend to13 digits.

Enable EAN-8 Zero Extend

Disable EAN-8 Zero Extend*

3.3.5 EAN-13

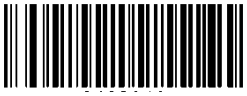
Restore the Factory Defaults of EAN-13

Enable EAN-13*

Disable EAN-13

3.3.5.1 Transmit Check Digit

Transmit EAN-13 Check Digit *



Do Not Transmit EAN-13 Check Digit

Enter Setup

Exit Setup

3.3.5.2 Add-On Code

An EAN-13 barcode can be augmented with a two-digit or five-digit add-on code to form a new one.

Enable 2-Digit Add-On Code/ Enable 5-Digit Add-On Code:

The engine decodes a mix of EAN-13 barcodes with and without 2-digit/5-digit add-on codes.

Disable 2-Digit Add-On Code/ Disable 5-Digit Add-On Code:

The engine decodes EAN-13 and ignores the add-on code when presented with an EAN-13 plus add-on barcode. It can also decode EAN-13 barcodes without add-on codes.

Enable 2-Digit Add-On Code

Disable 2-Digit Add-On Code *

Enable 5-Digit Add-On Code

Disable 5-Digit Add-On Code *

Enter Setup

Exit Setup

3.3.5.3 Add-On Code Required

When EAN-13 Add-On Code Required is selected, the engine will only read EAN-13 barcodes that contain add-on codes.

EAN-13 Add-On Code Required

EAN-13 Add-On Code Not Required *

3.3.5.4 EAN-13 Beginning with 290 Add-On Code Required

This setting programs the engine to require an add-on code (2-digit or 5-digit) on EAN-13 barcodes that begin with “290”. The following settings can be programmed:

Require Add-On Code: All EAN-13 barcodes that begin with “290” must have a 2-digit or 5-digit add-on code. The EAN-13 barcode with the add-on code is then transmitted. If the required add-on code is not found, the EAN-13 barcode is discarded.

Do Not Require Add-On Code: If you have selected Require Add-On Code, and you want to disable this feature, scan Do Not Require Add-On Code. EAN-13 barcodes are handled, depending on your selection for the “Add-On Code Required” feature.

Do Not Require Add-On Code *

Require Add-On Code

Enter Setup

Exit Setup

3.3.5.5 EAN-13 Beginning with 378/379 Add-On Code

Required

This setting programs the engine to require an add-on code (2-digit or 5-digit) on EAN-13 barcodes that begin with a “378” or “379”. The following settings can be programmed:

Require Add-On Code: All EAN-13 barcodes that begin with a “378” or “379” must have a 2-digit or 5-digit add-on code. The EAN-13 barcode with the add-on code is then transmitted. If the required add-on code is not found, the EAN-13 barcode is discarded.

Do Not Require Add-On Code: If you have selected Require Add-On Code, and you want to disable this feature, scan Do Not Require Add-On Code. EAN-13 barcodes are handled, depending on your selection for the “Add-On Code Required” feature.

Do Not Require Add-On Code *

Require Add-On Code

Enter Setup

Exit Setup

3.3.5.6 EAN-13 Beginning with 414/419 Add-On Code

Required

This setting programs the engine to require an add-on code (2-digit or 5-digit) on EAN-13 barcodes that begin with a “414” or “419”.
The following settings can be programmed:

Require Add-On Code: All EAN-13 barcodes that begin with a “414” or “419” must have a 2-digit or 5-digit add-on code. The EAN-13 barcode with the add-on code is then transmitted. If the required add-on code is not found, the EAN-13 barcode is discarded.

Do Not Require Add-On Code: If you have selected Require Add-On Code, and you want to disable this feature, scan Do Not Require Add-On Code.
EAN-13 barcodes are handled, depending on your selection for the “Add-On Code Required” feature.

Do Not Require Add-On Code *

Require Add-On Code

Enter Setup

Exit Setup

3.3.5.7 EAN-13 Beginning with 434/439 Add-On Code

Required

This setting programs the engine to require an add-on code (2-digit or 5-digit) on EAN-13 barcodes that begin with a “434” or “439”. The following settings can be programmed:

Require Add-On Code: All EAN-13 barcodes that begin with a “434” or “439” must have a 2-digit or 5-digit add-on code. The EAN-13 barcode with the add-on code is then transmitted. If the required add-on code is not found, the EAN-13 barcode is discarded.

Do Not Require Add-On Code: If you have selected Require Add-On Code, and you want to disable this feature, scan Do Not Require Add-On Code. EAN-13 barcodes are handled, depending on your selection for the “Add-On Code Required” feature.

Do Not Require Add-On Code *

Require Add-On Code

Enter Setup

Exit Setup

3.3.5.8 EAN-13 Beginning with 977 Add-On Code

Required

This setting programs the engine to require an add-on code (2-digit or 5-digit) on EAN-13 barcodes that begin with “977”. The following settings can be programmed:

Require Add-On Code: All EAN-13 barcodes that begin with “977” must have a 2-digit or 5-digit add-on code. The EAN-13 barcode with the add-on code is then transmitted. If the required add-on code is not found, the EAN-13 barcode is discarded.

Do Not Require Add-On Code: If you have selected Require Add-On Code, and you want to disable this feature, scan Do Not Require Add-On Code. EAN-13 barcodes are handled, depending on your selection for the “Add-On Code Required” feature.

Do Not Require Add-On Code *

Require Add-On Code

Enter Setup

Exit Setup

3.3.5.9 EAN-13 Beginning with 978 Add-On Code

Required

This setting programs the engine to require an add-on code (2-digit or 5-digit) on EAN-13 barcodes that begin with “978”. The following settings can be programmed:

Require Add-On Code: All EAN-13 barcodes that begin with “978” must have a 2-digit or 5-digit add-on code. The EAN-13 barcode with the add-on code is then transmitted. If the required add-on code is not found, the EAN-13 barcode is discarded.

Do Not Require Add-On Code: If you have selected Require Add-On Code, and you want to disable this feature, scan Do Not Require Add-On Code. EAN-13 barcodes are handled, depending on your selection for the “Add-On Code Required” feature.

Do Not Require Add-On Code *

Require Add-On Code

Enter Setup

Exit Setup

3.3.5.10 EAN-13 Beginning with 979 Add-On Code

Required

This setting programs the engine to require an add-on code (2-digit or 5-digit) on EAN-13 barcodes that begin with “979”. The following settings can be programmed:

Require Add-On Code: All EAN-13 barcodes that begin with “979” must have a 2-digit or 5-digit add-on code. The EAN-13 barcode with the add-on code is then transmitted. If the required add-on code is not found, the EAN-13 barcode is discarded.

Do Not Require Add-On Code: If you have selected Require Add-On Code, and you want to disable this feature, scan Do Not Require Add-On Code. EAN-13 barcodes are handled, depending on your selection for the “Add-On Code Required” feature.

Do Not Require Add-On Code *

Require Add-On Code

3.3.6 ISSN

Restore the Factory Defaults of ISSN

Enable ISSN

Disable ISSN*

Enter Setup

Exit Setup

3.3.6.1 Add-On Code

An ISSN barcode can be augmented with a two-digit or five-digit add-on code to form a new one.

Enable 2-Digit Add-On Code/ Enable 5-Digit Add-On Code:
The engine decodes a mix of ISSN barcodes with and without 2-digit/5-digit add-on codes.

Disable 2-Digit Add-On Code/ Disable 5-Digit Add-On Code:
The engine decodes ISSN and ignores the add-on code when presented with an ISSN plus add-on barcode. It can also decode ISSN barcodes without add-on codes.

Enable 2-Digit Add-On Code

Disable 2-Digit Add-On Code *

Enable 5-Digit Add-On Code

Disable 5-Digit Add-On Code *

3.3.6.2 Add-On Code Required

When ISSN Add-On Code Required is selected, the engine will only read ISSN barcodes that contain add-on codes.

ISSN Add-On Code Required

ISSN Add-On Code Not Required *

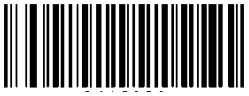
Enter Setup

Exit Setup

3.3.7 ISBN

Restore the Factory Defaults of ISBN

Enable ISBN *



Disable ISBN

3.3.7.1 Set ISBN Format

ISBN-13*

ISBN-10

Enter Setup

Exit Setup

3.3.7.2 Add-On Code

An ISBN barcode can be augmented with a two-digit or five-digit add-on code to form a new one.

Enable 2-Digit Add-On Code/ Enable 5-Digit Add-On Code:
The engine decodes a mix of ISBN barcodes with and without 2-digit/5-digit add-on codes.

Disable 2-Digit Add-On Code/ Disable 5-Digit Add-On Code:
The engine decodes ISBN and ignores the add-on code when presented with an ISBN plus add-on barcode. It can also decode ISBN barcodes without add-on codes.

Enable 2-Digit Add-On Code

Disable 2-Digit Add-On Code *

Enable 5-Digit Add-On Code

Disable 5-Digit Add-On Code *

3.3.7.3 Add-On Code Required

When ISBN Add-On Code Required is selected, the engine will only read ISBN barcodes that contain add-on codes.

ISBN Add-On Code Required

ISBN Add-On Code Not Required *

Enter Setup

Exit Setup

3.3.8 UPC-E

Restore the Factory Defaults of UPC-E

Enable UPC-E *

Disable UPC-E

3.3.8.1 Transmit Check Digit

Transmit UPC-E Check Digit *

Do Not Transmit UPC-E Check Digit

Enter Setup

Exit Setup

3.3.8.2 Add-On Code

A UPC-E barcode can be augmented with a two-digit or five-digit add-on code to form a new one.

Enable 2-Digit Add-On Code/ Enable 5-Digit Add-On Code:
The engine decodes a mix of UPC-E barcodes with and without 2-digit/5-digit add-on codes.

Disable 2-Digit Add-On Code/ Disable 5-Digit Add-On Code:
The engine decodes UPC-E and ignores the add-on code when presented with an UPC-E plus add-on barcode. It can also decode UPC-E barcodes without add-on codes.

Enable 2-Digit Add-On Code

Disable 2-Digit Add-On Code *

Enable 5-Digit Add-On Code

Disable 5-Digit Add-On Code *

3.3.8.3 Add-On Code Required

When UPC-E Add-On Code Required is selected, the engine will only read ISBN barcodes that contain add-on codes.

UPC-E Add-On Code Required

UPC-E Add-On Code Not Required *

Enter Setup

Exit Setup

3.3.8.4 Transmit System Character “0”

The first character of UPC-E barcode is the system character “0”.

Transmit System Character “0” *

Do Not Transmit System Character “0”

3.3.8.5 UPC-E Extension

Disable UPC-E Extend: Transmit UPC-E barcodes as is.

Enable UPC-E Extend: Extend UPC-E barcodes to make them compatible in length to UPC-A.

Enable UPC-E Extend

Disable UPC-E Extend *

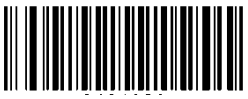
Enter Setup

Exit Setup

3.3.9 UPC-A

Restore the Factory Defaults of UPC-A

Enable UPC-A *



Disable UPC-A

3.3.9.1 Transmit Check Digit

Transmit UPC-A Check Digit *

Do Not Transmit UPC-A Check Digit

Enter Setup

Exit Setup

3.3.9.2 Add-On Code

A UPC-A barcode can be augmented with a two-digit or five-digit add-on code to form a new one.

Enable 2-Digit Add-On Code/ Enable 5-Digit Add-On Code:
The engine decodes a mix of UPC-A barcodes with and without 2-digit/5-digit add-on codes.

Disable 2-Digit Add-On Code/ Disable 5-Digit Add-On Code:
The engine decodes UPC-A and ignores the add-on code when presented with an UPC-A plus add-on barcode. It can also decode UPC-A barcodes without add-on codes.

Enable 2-Digit Add-On Code

Disable 2-Digit Add-On Code *

Enable 5-Digit Add-On Code

Disable 5-Digit Add-On Code *

3.3.9.3 Add-On Code

When UPC-A Add-On Code Required is selected, the engine will only read UPC-A barcodes that contain add-on codes.

UPC-A Add-On Code Required

UPC-A Add-On Code Not Required *

Enter Setup

Exit Setup

3.3.9.4 Transmit Preamble Character

Preamble characters (Country Code and System Character) can be transmitted as part of a UPC-A barcode. Select one of the following options for transmitting UPC-A preamble to the host device: transmit system character only, or transmit system character and country code (“0” for USA), or transmit no preamble.

System Character & Country Code

System Character *

No Preamble

Enter Setup

Exit Setup

3.3.10 Interleaved 2 of 5

Restore the Factory Defaults of Interleaved 2 of 5

Enable Interleaved 2 of 5 *

Disable Interleaved 2 of 5

Set the Minimum Length for Interleaved 2 of 5

Set the Maximum Length for Interleaved 2 of 5

Enter Setup

Exit Setup

3.3.10.1 Check Digit Verification

A check digit is optional for Interleaved 2 of 5 and can be added as the last digit. It is a calculated value used to verify the integrity of the data.

Disable: The engine transmits Interleaved 2 of 5 barcodes as is.
Do Not Transmit Check Digit After Verification:
The engine checks the integrity of all Interleaved 2 of 5 barcodes to verify that the data complies with the check digit algorithm. Barcodes passing the check will be transmitted except the last digit, whereas those failing it will not be transmitted.
Transmit Check Digit After Verification:
The engine checks the integrity of all Interleaved 2 of 5 barcodes to verify that the data complies with the check digit algorithm. Barcodes passing the check will be transmitted, whereas those failing it will not be transmitted.

Disable*

Do Not Transmit Check Digit After Verification

Transmit Check Digit After Verification

Note: If the Do Not Transmit Check Digit After Verification option is enabled, Interleaved 2 of 5 barcodes with a length that is less than the configured minimum length after having the check digit excluded will not be decoded. (For example, when the **Do Not Transmit Check Digit After Verification** option is enabled and the minimum length is set to 4, Interleaved 2 of 5 barcodes with a total length of 4 characters including the check digit cannot be read.)

Enter Setup

Exit Setup

3.3.10.2 ITF-14

ITF-14 is a special kind of Interleaved 2 of 5 with a length of 14 characters and the last character as the check character.

Restore the Factory Defaults of ITF-14

Disable ITF-14

Enable ITF-14 But Do Not Transmit Check Digit *	Enable ITF-14 and Transmit Check Digit
	

Note: It is advisable not to enable ITF-14 and Interleaved 2 of 5 at the same time.

Enter Setup

Exit Setup

3.3.10.3 ITF-6

ITF-6 is a special kind of Interleaved 2 of 5 with a length of 6 characters and the last character as the check character.

Restore the Factory Defaults of ITF-6

Disable ITF-6 *

Enable ITF-6 But Do Not Transmit Check Digit

Enable ITF-6 and Transmit Check Digit

Note: It is advisable not to enable ITF-6 and Interleaved 2 of 5 at the same time.

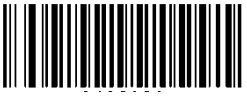
Enter Setup

Exit Setup

3.3.11 Matrix 2 of 5

Restore the Factory Defaults of Matrix 2 of 5

Enable Matrix 2 of 5



Disable Matrix 2 of 5 *

Set the Minimum Length for Matrix 2 of 5

Set the Maximum Length for Matrix 2 of 5

3.3.11.1 Check Digit Verification

Do Not Transmit Check Digit After Verification *

Transmit Check Digit After Verification

Disable

Enter Setup

Exit Setup

3.3.12 Industrial 2 of 5

Restore the Factory Defaults of Industrial 2 of 5

Enable Industrial 2 of 5 *

Disable Industrial 2 of 5

Set the Minimum Length for Industrial 2 of 5

Set the Maximum Length for Industrial 2 of 5

3.3.12.1 Check Digit Verification

Do Not Transmit Check Digit After Verification

Transmit Check Digit After Verification

Disable *

Enter Setup

Exit Setup

3.3.13 Standard 2 of 5（IATA 2 of 5）

Restore the Factory Defaults of Standard 25

Enable Standard 25 *

Disable Standard 25

Set the Minimum Length for Standard 25

Set the Maximum Length for Standard 25

3.3.13.1 Check Digit Verification

Do Not Transmit Check Digit After Verification

Transmit Check Digit After Verification

Disable *

Enter Setup

Exit Setup

3.3.14 Code 39

Restore the Factory Defaults of Code 39

Enable Code 39 *

Disable Code 39

Do Not Transmit Start/Stop Character *

Transmit Start/Stop Character

Set the Minimum Length for Code 39

Set the Maximum Length for Code 39

3.3.14.1 Check Digit Verification

Do Not Transmit Check Digit After Verification

Transmit Check Digit After Verification

Disable *

Enter Setup

Exit Setup

3.3.14.2 Enable/Disable Code 39 Full ASCII

The engine can be configured to identify all ASCII characters by scanning the appropriate barcode below.

Enable Code 39 Full ASCII *

Disable Code 39 Full ASCII

3.3.15 Code 32

Code 32 is a variant of Code 39 used by the Italian pharmaceutical industry. Scan the appropriate bar code below to enable or disable Code 32. Code 39 must be enabled and Code 39 check digit verification must be disabled for this parameter to function.

Disable Code 32 *

Enable Code 32

3.3.15.1 Code 32 Prefix

Scan the appropriate bar code below to enable or disable adding the prefix character “A” to all Code 32 barcodes. Code 32 must be enabled for this parameter to function.

Disable Code 32 Prefix *

Enable Code 32 Prefix

Enter Setup

Exit Setup

3.3.15.2 Transmit Code 32 Check Digit

Code 32 must be enabled for this parameter to function.

Do Not Transmit Code 32 Check Digit *

Transmit Code 32 Check Digit

3.3.15.3 Transmit Code 32 Start/Stop Character

Code 32 must be enabled for this parameter to function.

Do Not Transmit Code 32 Start/Stop Character *

Transmit Code 32 Start/Stop Character

Enter Setup

Exit Setup

3.3.16 Codabar

Restore the Factory Defaults of Codabar

Enable Codabar *

Disable Codabar

Set the Minimum Length for Codabar

Set the Maximum Length for Codabar

3.3.16.1 Check Digit Verification

Disable *

Transmit Check Digit After Verification

Do Not Transmit Check Digit After Verification

Enter Setup

Exit Setup

3.3.16.2 Transmit Start/Stop Character

Do not Transmit Start/Stop Character *

Transmit Start/Stop Character

3.3.16.3 Start/Stop Character Format

You can choose your desired start/stop character format by scanning the appropriate barcode below.

ABCD/ABCD as the Start/Stop Character *

ABCD/TN*E as the Start/Stop Character

Start/Stop Character in Uppercase

Start/Stop Character in Lowercase

Enter Setup

Exit Setup

3.3.17 Code 93

Restore the Factory Defaults of Code 93

Enable Code 93 *

Disable Code 93

Set the Minimum Length for Code 93

Set the Maximum Length for Code 93

3.3.17.1 Check Digit Verification

Disable

Transmit Check Digit After Verification

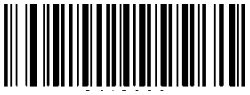
Do Not Transmit Check Digit After Verification *

Enter Setup

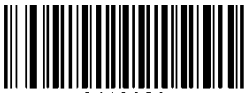
Exit Setup

3.3.18 GS1-Databar (RSS)

Restore the Factory Defaults of GS1-Databar



Enable GS1-Databar *



Disable GS1-Databar

3.3.18.1 Transmit Application Identifier “01”

Transmit Application Identifier “01” *

Do Not Transmit Application Identifier “01”

Enter Setup

Exit Setup

3.3.19 Code 11

Restore the Factory Defaults of Code 11

Enable Code 11 *

Disable Code 11

Set the Minimum Length for Code 11

Set the Maximum Length for Code 11

3.3.19.1 Transmit Check Digit

Transmit Check Digit

Do Not Transmit Check Digit *

Enter Setup

Exit Setup

3.3.19.2 Check Digit Verification

Disable

One Check Digit, MOD11 *

Two Check Digits, MOD11/MOD11

Two Check Digits, MOD11/MOD9

One Check Digit, MOD11 (Len<=10) Two Check Digits, MOD11/MOD11 (Len>10)

One Check Digit, MOD11 (Len<=10) Two Check Digits, MOD11/MOD9 (Len>10)

Enter Setup

Exit Setup

3.3.20 Plessey

Restore the Factory Defaults of Plessey

Enable Plessey *

Disable Plessey

Set the Minimum Length for Plessey

Set the Maximum Length for Plessey

3.3.20.1 Check Digit Verification

Do Not Transmit Check Digit After Verification *

Transmit Check Digit After Verification

Disable

Enter Setup

Exit Setup

3.3.21 MSI-Plessey

Restore the Factory Defaults of MSI-Plessey

Enable MSI-Plessey *

Disable MSI-Plessey

Set the Minimum Length for MSI-Plessey

Set the Maximum Length for MSI-Plessey

3.3.21.1 Transmit Check Digit

Transmit Check Digit

Do Not Transmit Check Digit *

Enter Setup

Exit Setup

3.3.21.2 Check Digit Verification

One Check Digit, MOD10 *

Disable

Two Check Digits, MOD10/MOD10

Two Check Digits, MOD10/MOD11

Enter Setup

Exit Setup

3.3.22 JAN

3.3.22.1 JAN Code for Magazines

Japanese Article Number (JAN) is a barcode standard compatible with the EAN. JAN barcodes for magazines are EAN-13 barcodes starting with a “491” and containing a 5-digit add-on code. Scan the appropriate barcode below to enable or disable JAN barcodes for magazines.

Enable JAN Code for Magazines

Disable JAN Code for Magazines *

3.3.22.2 JAN Code for Books

JAN barcodes for books include an ISBN barcode starting with a “978” and an EAN-13 barcodes starting with a “191” or “192”. When left on the default setting (Disable JAN Code for Books), the engine treats the ISBN and EAN-13 barcodes as single barcodes.
When enabled, the engine must see and read the ISBN and EAN-13 barcodes in a single read to transmit the data. No data is output unless both barcodes are read.

Enable JAN Code for Books

Disable JAN Code for Books *

You may select either of the following ways to transmit JAN barcodes for books.

Enter Setup

Exit Setup

If you scan the **Do Not Require Concatenation** barcode, the engine transmits the ISBN and EAN-13 barcodes as separate symbologies.
If you scan the **Require Concatenation** barcode, the engine transmits the ISBN and EAN-13 barcodes as an ISBN barcode.

Require Concatenation

Do Not Require Concatenation *

A separator (a comma “,”) can be inserted between the ISBN and EAN-13 barcodes. Note that the Require Concatenation feature must be enabled for this setting to function.

Enable Barcode Separator

Disable Barcode Separator *

Enter Setup

Exit Setup

3.4 2D

3.4.1 PDF 417

Restore the Factory Defaults of PDF 417

Enable PDF 417 *

Disable PDF 417

Set the Minimum Length for PDF 417

Set the Maximum Length for PDF 417

3.4.1.1 PDF 417 Twin Code

PDF417 twin code is 2 PDF417 barcodes paralleled vertically or horizontally. They must both be either regular or inverse barcodes. They must have similar specifications and be placed closely together.

There are 3 options for reading PDF417 twin codes:
Single PDF417 Only: Read either PDF417 code.
Twin PDF417 Only: Read both PDF417 codes.
Both Single & Twin: Read both PDF417 codes. If successful, transmit as twin PDF417 only. Otherwise, try single PDF417 only.

Enter Setup

Exit Setup

Single PDF417 Only

Twin PDF417 Only

Both Single & Twin

3.4.1.2 Character Encoding

Default Character Encoding *

UTF-8

3.4.1.3 Enable/Disable PDF417 ECI Output

Disable PDF417 ECI Output

Enable PDF417 ECI Output *

Enter Setup

Exit Setup

3.4.2 QR Code

Restore the Factory Defaults of QR Code

Enable QR Code *

Disable QR Code

Set the Minimum Length for QR Code

Set the Maximum Length for QR Code

3.4.2.1 Micro QR

Disable Micro QR *

Enable Micro QR

Enter Setup

Exit Setup

3.4.2.2 QR Twin Code

QR twin code is 2 QR barcodes paralleled vertically or horizontally. They must both be either regular or inverse barcodes. They must have similar specifications and be placed closely together.

There are 3 options for reading QR twin codes:
Single QR Only: Read either QR code.
Twin QR Only: Read both QR codes.
Both Single & Twin: Read both QR codes. If successful, transmit as twin QR only. Otherwise, try single QR only.

Single QR Only *

Twin QR Only

Both Single & Twin

3.4.2.3 Character Encoding

Default Character Encoding *

UTF-8

Enter Setup

Exit Setup

3.4.2.4 Enable/Disable QR ECI Output

Enable QR ECI Output *

Disable QR ECI Output

Enter Setup

Exit Setup

3.4.3 Data Matrix

Restore the Factory Defaults of Data Matrix

Enable Data Matrix *

Disable Data Matrix

Set the Minimum Length for Data Matrix

Set the Maximum Length for Data Matrix

3.4.3.1 Rectangular Barcode

Enable Rectangular Barcode *

Disable Rectangular Barcode

3.4.3.2 Mirror Image

Decode Mirror Images *

Do Not Decode Mirror Images

Enter Setup

Exit Setup

3.4.3.3 Data Matrix Twin Code

Data Matrix twin code is 2 Data Matrix barcodes paralleled vertically or horizontally. They must both be either regular or inverse barcodes. They must have similar specifications and be placed closely together.

There are 3 options for reading Data Matrix twin codes:

Single Data Matrix Only: Read either Data Matrix code.

Twin Data Matrix Only: Read both Data Matrix codes. Transmission order: Data Matrix code on the left (in the upper position) followed by the one on the right (in the lower position).

Both Single & Twin: Read both Data Matrix codes. If successful, transmit as twin Data Matrix only. Otherwise, try single Data Matrix only.

Single Data Matrix Only *

Twin Data Matrix Only

Both Single & Twin

Enter Setup

Exit Setup

3.4.3.4 Character Encoding

Default Character Encoding *

UTF-8

3.4.3.5 Enable/Disable Data Matrix ECI Output

Enable Data Matrix ECI Output *

Disable Data Matrix ECI Output

Enter Setup

Exit Setup

3.4.4 Chinese Sensible Code

Restore the Factory Defaults of Data Matrix

Disable Chinese Sensible Code *

Enable Chinese Sensible Code

Set the Minimum Length for Chinese Sensible Code

Set the Maximum Length for Chinese Sensible Code

3.4.4.1 Enable/Disable Chinese Sensible Code ECI

Output

Enable Chinese Sensible Code ECI Output *

Disable Chinese Sensible Code ECI Output

Enter Setup

Exit Setup

Chapter 4 – Command Settings

4.1 Operation Mode

4.1.1 Auto

Scan below bar code for auto mode setting

Auto Mode*

4.1.2 Batch

Scan below bar code for batch mode setting

Batch Mode

4.1.3 Wedge

Scan below bar code for wedge mode setting

Wedge Mode

Enter Setup

Exit Setup

4.2 System setting

4.2.1 Default

Scan below bar code to restore the factory setting

Factory Default

4.2.2 Display FW version / Data Format

Scan below bar code to show the current F/W & BT version

FW version

Enter Setup

Exit Setup

4.2.3 Auto Power Off

Scan below bar code to set the time frame for auto power off

1 Minute

3 Minutes

5 Minutes *

10 Minutes

15 Minutes

20 Minutes

30 Minutes

Disable

4.2.4 Power Saving

Scan below bar code to set the time frame for power saving.

5 Seconds

10 Seconds

15 Seconds*

20 Seconds

30 Seconds

60 Seconds

Note:

Strongly recommend not to disable the power saving setting.

The device might experience the screen burn-in (an after-image effect) on the OLED screen if the screen is on for the long hours.

Enter Setup

Exit Setup

4.3 RF Config.

4.3.1 Paired device info.

Scan below bar code to show the current paired device information

Paired Device

4.3.2 Remove the pair

Scan below bar code to remove pair

Remove Pair

Enter Setup

Exit Setup

4.4 Data & Memory

4.4.1 Send Batch

Scan【Batch】to switch from Auto Mode to Batch Mode. Data will now be stored in the internal memory of the MS926P and the MS926P will no longer transmit data via RF. Scan below barcode to send data from the MS926P to your host device after collecting the data in Batch Mode. Scan 【Auto】 to switch back to Auto Mode.

Send Batch

4.4.1.1 Erase last memory entry

Scan below bar code to erase last scanned data in memory

Erased Last Memory Entry

4.4.1.2 Erase all data in buffer (Erase Memory)

Scan below bar code to erase all data in the memory

Erase Memory

4.4.1.3 Check buffer memory space

Scan below bar code to check buffer memory space

Free Memory Space

Enter Setup

Exit Setup

4.5 Data Sending Block Delay

Scan below bar code to set the block delay time. Default is 10ms.

10 ms*

50 ms

100 ms

500 ms

1 Sec.

3 Sec.

Enter Setup

Exit Setup

4.6 HID Keyboard Character Delay

Scan below bar code to set HID keyboard character delay time. Default is 1ms.

1 ms *

5 ms

10 ms

20 ms

50 ms

100 ms

Enter Setup

Exit Setup

4.6.1 HID keyboard Case

Scan below bar code to change the alphabet case. Scan ‘’to lower” barcode to output data in lower case; or scan “to upper” barcode to output data in upper case. Default setting: “auto trace” to have original scanned data transmitted.

Auto Trace *

To Lower

To Upper

Enter Setup

Exit Setup

4.6.2 HID keyboard language

Scan below bar code to change keyboard language. Default is US English

US English *

UK English

Swiss

Swedish

Norwegian

Italian

German

French

Danish

Partial ALT

Japanese (OADG109)

Spanish

ALT Mode

Enter Setup

Exit Setup

4.7 Beep & Vibration & Indicators

4.7.1 Beep Control

Scan below bar code to adjust beep volume. Default: Medium volume

4.7.1.1 High volume

High Volume

4.7.1.2 Medium volume *

Medium Volume*

4.7.1.3 Low volume

Low Volume

4.7.1.4 Mute

Mute

Enter Setup

Exit Setup

4.7.2 Vibration

The vibration is off in default. Scan below bar code to open vibration function

Enable Vibrator

Disable Vibrator *

4.7.3 Beep & Vibration Setting manually

Please follow the steps to set up the Beep & Vibration.

• Main Menu ⟶ Beep & Vibrate ⟶ Indicators ⟶ Button

⟶ Beeper & Vibrator *
None
Beeper
Vibrator

4.7.4 Indicators

4.7.4.1 Good Read Indicator

Beeper | Beeper & Vibrator * | Vibrator | None

Enter Setup

Exit Setup

4.7.4.2 Button Indicator

Beeper

Beeper & Vibrator *

Vibrator

None

4.7.4.3 System Setting Indicator

Beeper *

Beeper & Vibrator

Vibrator

None

4.7.4.4 System Warning/Error Indicator

Beeper *

Beeper & Vibrator

Vibrator

None

4.7.4.5 Power On Indicator

Beeper

Beeper & Vibrator *

Vibrator

None

4.7.4.6 Power Off Alarm

Beeper

Beeper & Vibrator *

Vibrator

None

Enter Setup

Exit Setup

4.8 Data Terminator

Scan below bar code to set up terminator.

None

CR*

CRLF

LF

TAB

Enter Setup

Exit Setup

4.9 1:1 / 1: N Checking Indicators

4.9.1 1:1/1:N Checking Pass Indicator

Scan below bar code toindicate 1:1/1: N Checking Pass.

None

Beeper & Vibrator *

Vibrator

Beeper

4.9.2 1:1/1:N Checking Fail Indicator

Scan below bar code to indicate 1:1/1: N Checking Fail.

None

Beeper & Vibrator *

Enter Setup

Exit Setup

Vibrator

Beeper

4.9.3 Pause Scan When 1:1/1:N Checking Fail

Scan below bar code to indicate pause scan when 1:1/1:N Checking Fail.

Enable

Disable *

4.9.4 1:1/1:N Checking Screen Indicator

Scan below bar code to indicate 1:1/1:N Screen Checking.

Enable

Disable *

Enter Setup

Exit Setup

Appendix A – Parameter Programming Examples

The following examples show you how to program parameters by scanning programming barcodes.

a. Program the Decode Session Timeout

Example: Set the decode session timeout to 1500ms

1. Scan the Enter Setup barcode.
2. Scan the Decode Session Timeout barcode.
3. Scan the numeric barcodes “1”, “5”, “0” and “0”.
4. Scan the Save barcode.
5. Scan the Exit Setup barcode.
   (If you still need to program other parameter/feature, skip this step.)

b. Program the Idle Timeout

Example: Set the idle timeout to 500ms

1. Scan the Enter Setup barcode.
2. Scan the Idle Timeout barcode.
3. Scan the numeric barcodes “5”, “0” and “0”.
4. Scan the Save barcode.
5. Scan the Exit Setup barcode.
   (If you still need to program other parameter/feature, skip this step.)

Enter Setup

Exit Setup

c. Program the Image Stabilization Timeout

Example: Set the image stabilization timeout to 500ms

1. Scan the Enter Setup barcode.
2. Scan the Image Stabilization Timeout barcode.
3. Scan the numeric barcodes “5”, “0” and “0”.
4. Scan the Save barcode.
5. Scan the Exit Setup barcode.
   (If you still need to program other parameter/feature, skip this step.)

d. Program the Timeout between Decodes (Same Barcode)

Example: Set the timeout between decodes (same barcode) to 1000ms

1. Scan the Enter Setup barcode.
2. Scan the Timeout between Decodes (Same Barcode) barcode.
3. Scan the numeric barcodes “1”, “0”, “0” and “0”.
4. Scan the Save barcode.
5. Scan the Exit Setup barcode.
   (If you still need to program other parameter/feature, skip this step.)

e. Program the Threshold Value of Illumination Change

Example: Set the threshold value of illumination change to 4

1. Scan the Enter Setup barcode.
2. Scan the Threshold Value of Illumination Change barcode.
3. Scan the numeric barcode “4”.
4. Scan the Save barcode.
5. Scan the Exit Setup barcode.
   (If you still need to program other parameter/feature, skip this step.)

Enter Setup

Exit Setup

f. Program the Timeout between Decodes

Example: Set the timeout between decodes to 500ms

1. Scan the Enter Setup barcode.
2. Scan the Timeout between Decodes barcode.
3. Scan the numeric barcodes “5”, “0” and “0”.
4. Scan the Save barcode.
5. Scan the Exit Setup barcode.
   (If you still need to program other parameter/feature, skip this step.)

g. Program the Decoding Area

Example: Set the decoding area to 20% top, 80% bottom, 20% left and 80% right.

1. Scan the Enter Setup barcode.
2. Scan the Specific Area Decoding barcode.

Specific Area Decoding

Top of Decoding Area

Bottom of Decoding Area

Left of Decoding Area

Right of Decoding Area

3. Scan the Top of Decoding Area barcode.
4. Scan the numeric barcodes “2” and “0”.
5. Scan the Save barcode.
6. Scan the Bottom of Decoding Area barcode.

Enter Setup

Exit Setup

7. Scan the numeric barcodes “8” and “0”.
8. Scan the Save barcode.
9. Scan the Left of Decoding Area barcode.
10. Scan the numeric barcodes “2” and “0”.
11. Scan the Save barcode.
12. Scan the Right of Decoding Area barcode.
13. Scan the numeric barcodes “8” and “0”.
14. Scan the Save barcode.
15. Scan the Exit Setup barcode.
    (If you still need to program other parameter/feature, skip this step.)

h. Program the Custom Prefix/Suffix

Example: Set the custom prefix to “CODE”

1. Check the hex values of “CODE” in the ASCII Table.
   (“CODE”: 43, 4F, 44, 45)
2. Scan the Enter Setup barcode.
3. Scan the Set Custom Prefix barcode.
4. Scan the numeric barcodes “4”, “3”, “4”, “F”, “4”, “4”, “4” and “5”.
5. Scan the Save barcode.
6. Scan the Exit Setup barcode.
   (If you still need to program other parameter/feature, skip this step.)

Enter Setup

Exit Setup

i. Program the Terminating Character Suffix

Example: Set the terminating character suffix to 0x0D

1. Scan the Enter Setup barcode.
2. Scan the Set Terminating Character Suffix barcode.
3. Scan the numeric barcodes “0” and “D”.
4. Scan the Save barcode.
5. Scan the Exit Setup barcode.
   (If you still need to program other parameter/feature, skip this step.)

j. Program the Code ID

Example: Set the Code ID of PDF 417 to “p”

1. Check the hex value of “p” in the ASCII Table. (“p”: 70)
2. Scan the Enter Setup barcode.
3. Scan the Modify PDF417 Code ID barcode.
4. Scan the numeric barcodes “7” and “0”.
5. Scan the Save barcode.
6. Scan the Exit Setup barcode.
   (If you still need to program other parameter/feature, skip this step.)

k. Program the NGR Message

Example: Set the NGR message to “!ERR”

1. Check the hex values of “!ERR” in the ASCII Table.
   (“!ERR”: 21, 45, 52, 52)
2. Scan the Enter Setup barcode.
3. Scan the Edit NGR Message barcode.
4. Scan the numeric barcodes “2”, “1”, “4”, “5”, “5”, “2”, “5” and “2”.
5. Scan the Save barcode.
6. Scan the Exit Setup barcode.
   (If you still need to program other parameter/feature, skip this step.)

Enter Setup

Exit Setup

l. Program the Length Range (Maximum/Minimum Lengths) for a Symbology

Note: If minimum length is set to be greater than maximum length, the engine only decodes barcodes with either the minimum or maximum length. If you only want to read barcodes with a specific length, set both minimum and maximum lengths to be that desired length.

Example: Set the engine to decode Code 128 barcodes containing between 8 and 12 characters

1. Scan the Enter Setup barcode.
2. Scan the Set the Minimum Length barcode.
3. Scan the numeric barcode “8”.
4. Scan the Save barcode.
5. Scan the Set the Maximum Length barcode.
6. Scan the numeric barcodes “1” and “2”.
7. Scan the Save barcode.
8. Scan the Exit Setup barcode.
   (If you still need to program other parameter/feature, skip this step.)

m. Program the Code Page

Example: Set the code page to Windows 1251 (Cyrillic)

1. Scan the Enter Setup barcode.
2. Scan the Set the Code Page barcode.
3. Scan the numeric barcode “1”.
4. Scan the Save barcode.
5. Scan the Exit Setup barcode.
   (If you still need to program other parameter/feature, skip this step.)

Enter Setup

Exit Setup

n. Program the Custom Inter-keystroke Delay

Example: Set the inter-keystroke delay to 5ms

1. Scan the Enter Setup barcode.
2. Scan the Custom Delay barcode.
3. Scan the numeric barcodes “0” and “5”.
4. Scan the Exit Setup barcode.
   (If you still need to program other parameter/feature, skip this step.)

o. Program the engine to get proper output for Russian encoded with Windows 1251

1. Scan the Enter Setup barcode.
2. Scan the Set the Code Page barcode.
3. Scan the numeric barcode “1”.
4. Scan the Save barcode.
5. Scan the appropriate Default Character Encoding barcode according to the symbology your application needs from the “Character Encoding”.
6. Scan the Mode 3 barcode from the “Emulate ALT+Keypad” section.
7. Scan the Exit Setup barcode.
   (If you still need to program other parameter/feature, skip this step.)

p. Program the engine to get proper output for Russian encoded with UTF-8

1. Scan the Enter Setup barcode.
2. Scan the Set the Code Page barcode from the “Code Page” section.
3. Scan the numeric barcode “1” from Appendix 6.
4. Scan the Save barcode.
5. Scan the appropriate UTF-8 barcode according to the symbology your application needs from the “Character Encoding” section.
6. Scan the Mode 3 barcode from the “Emulate ALT+Keypad” section.
7. Scan the Exit Setup barcode. (If you still need to program other parameter/feature, skip this step.)

Enter Setup

Exit Setup

Appendix B - Digit Barcodes

0

1

2

3

4

5

6

7

8

9

A

B

C

D

E

F

Enter Setup

Exit Setup

Appendix C – Save/Cancel Barcodes

After reading numeric barcode(s), you need to scan the Save barcode to save the data. If you scan the wrong digit(s), you can either scan the Cancel barcode and then start the configuration all over again, or scan the Delete the Last Digit barcode and then the correct digit, or scan the Delete All Digits barcode and then the digits you want.

For instance, after reading the Maximum Length barcode and numeric barcodes “1”, “2” and “3”, you scan:

Delete the Last Digit: The last digit “3” will be removed.
Delete All Digits: All digits “123” will be removed.
Cancel: The maximum length configuration will be cancelled. And the engine is still in the setup mode.

Save

Delete All Digits

Delete the Last Digit

Cancel

Enter Setup

Exit Setup