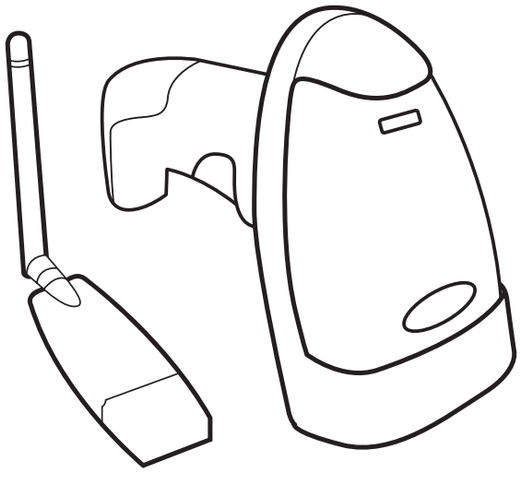
Wireless Scanner Manual



Introduction

The Epos Now wireless barcode scanners offers industry leading reliability and efficiency. Ideal for a wide range of applications from retail and fashion to stock management. This scanner is supplied with a USB dongle.

Features:

Wireless freedom & Batch mode
This Epos Now wireless scanner has a 300 meter line-of-sight range from the communication dongle. When not in range you can use batch mode to record over 260000 scans which will save directly to the device giving you total freedom.

Advanced data formatting
The scanner supports advanced data formatting to ensure maximum reliability. This means even damaged or hard to read barcodes can be scanned as normal.

Data can be added or deleted with multiple characters, appended one by one or by multiple prefix/suffix, etc. The value for prefix/suffix is also customizable. All these can be implemented through scanning a related series of barcodes from within this manual.

Quick installation / Plug and play
Pairing can be done in just one scan. It's easy to setup and multiple scanners can communicate with one dongle.

Battery monitoring
By scanning a predefined barcode, battery charge can be checked on the receiver's window. This will give more confidence when taking the scanner away from the dongle, or using it in batch mode.

Indication of status LEDs
Multiple color LEDs are used to indicate the modes of operation and the status of the scanner.

Welcome

Thank you for purchasing your new wireless barcode scanner from Epos Now.

We hope you are happy with your purchase.

Within this manual you will find instructions on how to setup your scanner and access more advanced functions. Please retain this manual for future reference.

You can also visit **www.youtube.com/eposnow** for setup and training videos.

If you have any problems please feel free to contact our UK based Support Team on:

UK: 0843 176 0670 **Int:** +44 3333 440 693 **email:** support@eposnow.com

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Specifications

Laser	Visible laser diode (VLD) @ 650 nm
Scan speed	120±10 scans/second
Decode capacity	Code128, UCC/EAN 128, Code93, UPC-A, UPC -E , E AN -13, EAN-8 , ISBN/ ISSN, Code39, Code39(full Ascii), Interleaved 2 of 5, Industrial 2 fo 5, Matrix 2of 5, CodaBar,CODE11,MSI,China Post
Scan precision	4mils - 43mils
Memory	4MBytes, can save over 266000 scans (calculated @ when length of barcode <15Bytes)
Frequency band	433MHz ISM band, maximum 100 channels
Linkage Range	Linkage Range
Interface	Receiver stand, USB, HID keyboard profile, RS232C, RS485
Keyboard layout	The United States
Battery	3.7V/1000mAH, polymer li-ion
Current	Sleep, 0.5mA, Scan, 65mA, Rf Transmitting,135 mA
Standby	3 months
Status indication	Beep, LED
Operation Temp.	-10°C ~ 50°C (32°~ 120°F)
Storage temp.	-40°C ~ 60°C(-40°~ 140°F)
Relative Humidity	5% ~ 90% (non condensing)
ESD	+/-8KV air discharge; +/-4KV contact discharge
Material	ABS

Shortcut Settings

One scan of the appropriate barcode below will perfrom the following functions:

Shortcut Setting1: Miscellaneous settings

Firmware version (Tx)

Firmware version (Rx)

Beep on

Buzzer

Beep off

Negative image check on

Negative image

Negative image check off

Default mode

Scan mode

Continuous mode

Blink mode

Reset para. for Tx

Para. reset

Reset para. for Rx

Tip: when scanning Reset para. for Rx barcode, the blue LED on the scanner will blink. To complete the operation, please takeout the USB receiver first from the PC and then insert back to the USB port again. At that time the USB receiver's pa-rameters will be reset to default (all remote configuration for the receiver will be processed upon rest). The LED on the scanner will stop blinking which indicates a successful remote configuration.

Tx/Rx pairing

Tip: when scanning the pairing barcode, the blue LED on the scanner will blink. To complete the operation take out the USB receiver first from the PC, then insert back to the USB port again. And then the two devices will be paired. The scanner will beep three times to indicate this has been successful.

Check battery

Tip: when scanning the check battery barcode, the receiver will display the battery's remaining power and the remaining power on the PC terminal (laptop, for example).

The scanner will continue to monitor the battery status. When it's charge drops below 3.65V the scanner will beep once every seven seconds which indicates a low battery. This is to warn you to charge the battery. When the supplied charge falls below 3.5V, the scanner will automatically turn off to prevent battery damage.

Key - multifunction enable/disable

Enable multifunction

Multifunction Key

Disable multifunction (default)

Tip: When enabling the multifunction key, we can toggle different modes by holding the key for a predefined period, without having to scan the appropriate barcode.

1) Normal operation: press the key to scan a barcode, and release it when finished
2) To change the operation mode, point the scanner to a blank area, hold down the key for about four seconds, until the laser switches off.
3) Continue holding down the key for seven seconds, or until a beep sounds. The scanner will enter resume batch report mode which will resume to report saved barcode during batch mode. (refer page 5 for different modes)

4) If you keep the key held for twelve seconds, or until a long beep sounds, the scanner will switch between normal and batch modes. The yellow led will light on/off to indicate the mode status.

Settings for suffix, repeat check and sleep control

Suffix

Suffix - return (default)

Suffix - newline

Suffix - return+newline

Suffix - TAB

Suffix - Right arrow

No suffix

Repeat code

Alarm if within 5s

Alarm if within 10s

No repeat code check (default)

Sleep control

Auto sleep when idle for 30s

Auto sleep when idle for 60s (default)version (Rx)

Auto sleep when idle for 2min

No auto-sleep mode

Operating mode

Batch report memory

Resume batch report

Barcode counts

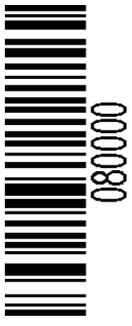
Batch mode

Normal mode (default)

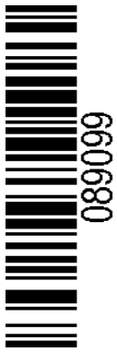
Batch mode/normal mode
auto toggle on

Batch mode/normal mode
auto toggle off (default)

Clear memory



Format memory



1. Batch report memory: the scanner will send to the computer the barcodes stored in memory. Pressing the key will stop the process.
2. Resume batch report: all barcodes stored in memory that haven’t yet been sent will be sent.
3. Barcode counts: the number of stored barcodes will be sent.
4. Batch mode: yellow LED will turn on. The scanned barcodes will be saved to the scanner’s memory instead of being sent to the computer.
5. Batch mode/normal mode auto toggle on/off: If turned on after three failed attempts of talking to the receiver the scanner will automatically switch to batch scan mode.
6. Clear memory: All saved barcodes in the scanner’s memory will be cleared.
7. Format memory: The scanner’s memory will be reset.

Symbologies On/Off

The following symbologies are enabled by default: Code128, interleaved Code25, UPC-A/E, EAN, CODE93, CODE39, CODABAR. For the scanner to decode other symbologies please scan the appropriate barcode to enable/disable it.

On Interleaved Code25

Interleaved 2 of 5 (*)

Off Interleaved Code25

On Industrial Code25

Industrial 2 of 5

Off Industrial Code25

On Matrix25

MATRIX25

Off matrix25

On Code39

Code39 (*)

Off code39

On full Ascii mode

Off full Ascii mode

Report code39 start digit

Not Report code39 start digit

On UPC/EAN

UPC/EAN (*)

Off UPC/EAN

Symbologies On/Off (Cont.)

Enable
EAN add-ons check

010161

EAN add-ons check
(EAN2,5)

Disable
EAN add-ons check

010160

Enable convert UPC-E to
UPC-A

010261

UPC/EAN
Convert

Disable convert UPC-E
to UPC-A

010260

Enable convert UPC
to EAN-13

010361

Disable Convert UPC
to EAN-13

010360

On MSI

010051

MSI/PLESSEY

Off MSI

010050

On Code93

010091

Code93 (*)

Off code93

010090

On ChinaPost

010081

ChinaPost

Off ChinaPost

010080

On CodaBar

010101

CodaBar (*)

Off CodaBar

010100

Symbologies On/Off (Cont.)

Enable report CodaBar start/stop digit

011101

CodaBar (*)

Disable report CodaBar start/stop digit

011100

On Code11

010131

Code11

Disable EAN add-ons check

010130

Enable Code11 check digit

012131

Disable code11 check digit

012130

Enable report code11 check digit

011131

Disable report Code11 check digit

011130

Advanced Settings

Advanced settings can be used to customise the data format of barcodes, before it is sent to the computer.

1) To change the advanced settings:

1. Scan the Enter Advanced Setting barcode (on the next page)
2. Scan the required function codes
3. Scan the Exit Advanced Setting barcode

2) Report format

The receiver will report the scanned barcodes to the host by using the following format:

Prefix	Data	Append String	Suffix

Original data is the scan result. Normally it will be reported as is to the host. But it's allowed to adjust/add/append/delete some characters before reporting to the host

The details will be illustrated the in the following sections.

Advanced setting 1 - prefix/append after string:

Prefix:

Prefix will add to before the code, max length is 12 letters,For example, the code = ABCDEFG, prefix= 123, then the finial reporter will be123ABCDEFG

Append after string:

This string will be appended to the end of codes.

For example, the code = ABCDEFG, append_after_string= 123, then the finial reporter will be ABCDEFG123

Enter Advanced Setting

Item	Note
	Clear the prefix
	Set the prefix. Following by max length of 12 letters, and ended by scan the <END> code
	Clear the append_after_string.
	Set the append_after_string. Following by max length of 12 letters, and ended by scan the <END> code

Enter Advanced Setting

Appendix

Advanced setting 2 – Data Adjustment:

The scanned data can be adjusted further before reporting to the host. For example, it can be delete some characters from the beginning or from the end.

Enter
Advanced Setting Mode

Enter Advanced Setting

Item	Note
ATS835=	Set the delete counts of characters from the beginning. The mostly used counts are list in counts table (page 13)
ATS836=	Set the delete counts of characters from the end. The mostly used counts are list in counts table (page 13)
ATS837=	Set the maximum length of reporter. (Out range of characters will be deleted)
ATS837=12	Examples: this will set the maximum length of reporter to be 12 characters. If the code have more than 12 characters, they will be deleted after the 12th character.

Exit Advanced
Setting Mode

Enter Advanced Setting

Appendix

END COMMAND

Advanced setting 3—Suffix

The scanned data can be formatted further before reporting to the host. Some ERP application will require some more keys pressed after scanning the barcode. We can use the suffix to input for those applications.

The suffix is set to one Return key by default. It can be set to other keys, like the TAB, arrow keys, etc, and the counts can also be set.

The scanner supports 3 stages of suffix, for example, it can be set as: append 3 return keys, then 2 right arrow keys, then 1 down arrow key, etc.

Enter Advanced Setting

Item	Note
	Set stage 1 suffix key type. Please see normal suffix Table (page 13)
	Set stage 1 suffix key counts. Counts please see counts table (page 13)
	Set stage 2 suffix key type. Please see normal suffix Table (page 13)
	Set stage 2 suffix key counts. Counts please see counts table (page 13)
	Set stage 3 suffix key type. Please see normal suffix Table (page 13)
	Set stage 3 suffix key counts. Counts please see counts table (page 13)

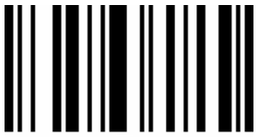
Enter Advanced Setting

Appendix

Suffix Table: (More suffix setting can be provided upon request.)

13 Return	10 New line	9 TAB
17 Left Arrow	18 Right Arrow	19 Up Arrow
20 Down Arrow		

Counts table:

1	2	3
4	 5	6
7	8	9
10	11	12
13	14	

Appendix:

Command Codes

Digits

Non-Visible characters

Capital Codes

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S

T

U

V

W

X

Y

Z

Other Codes

Sample Barcodes

The following Symbologies are OFF by default, please turn it ON before scanning.

	Code128
	Code39
	Code93
	Interleaved 2 of 5 (ITF25)
	UPC-A
	UPC-E
	EAN13
	EAN8

	ISBN
	ISMN
	ISSN
	CODABAR

The following Symbologies are OFF by default, please ON it before scanning.

	Matrix 25
	Industrial 2 of 5
	MSI/Plessey
	China Post
	Code11

Frequently used shortcuts

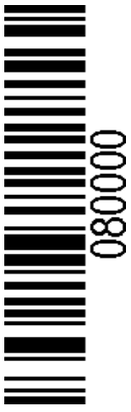
Report memory

Resume report memory

Barcode counts

Inventory mode

Clear memory



Normal mode(default)

Check battery

Suffix - return (default)

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