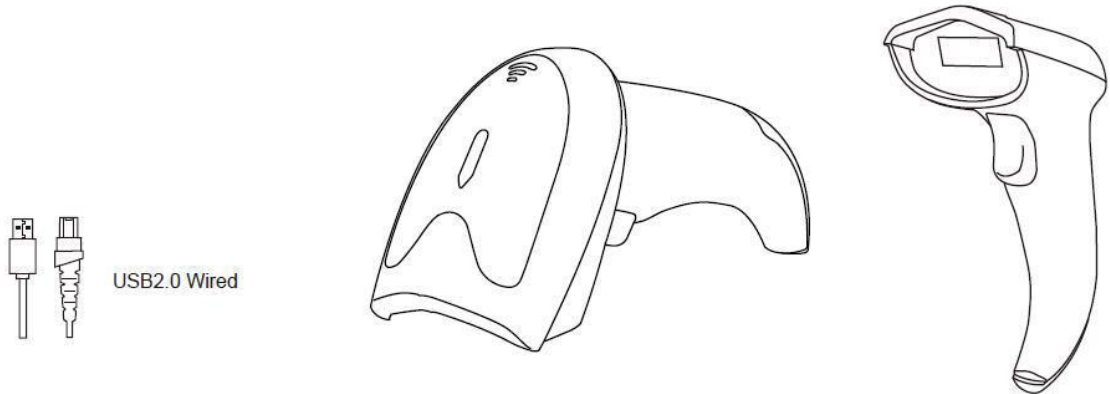


# NT-W3

## Quick Setup Guide

This is a plug and play model if you use a US keyboard. If you use other type of keyboard, plug the USB cable on your device , setup keyboard language before you use it. (refer to below Keyboard Language Type) after that the scanner can start to work.

---



If you want to do other configurations please refer to below programming barcodes.

## Barcode Programming

Netum barcode scanners are factory programmed for common terminal and communications settings. If you need to change these settings, programming is accomplished by scanning the bar codes in this guide. An asterisk (\*) next to an option indicates the default setting.

## Firmware Version

Read below command barcode to check scanner firmware version.



If you have any questions about the scanner, please scan above barcode

## Keyboard Language

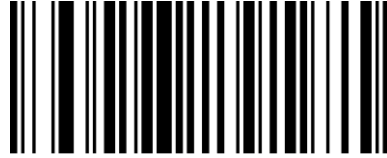
In order to let scanner upload the codes in a correct way, you have to set the keyboard language.

For example

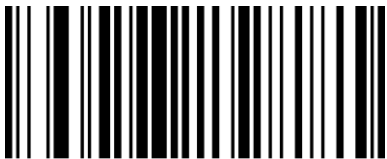
If you use French Keyboard, scan below barcode of “French keyboard” then scanner will upload barcodes according to France keyboard layout. American Keyboard is set by default, if you use a US keyboard you can skip this step.



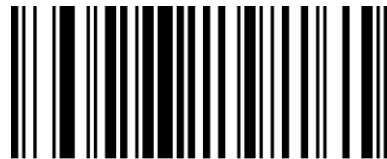
American Keyboard



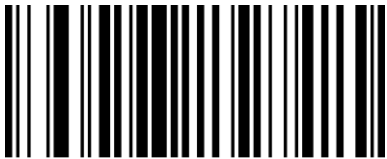
Portugal Keyboard



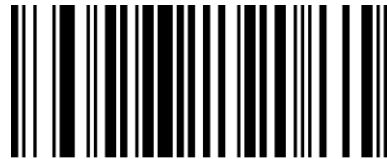
French Keyboard



Spanish Keyboard



Germany Keyboard



Turkey Q Keyboard

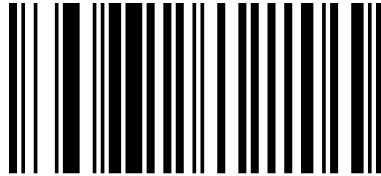


Italy Keyboard

## Scanning Mode

### • Key Holding

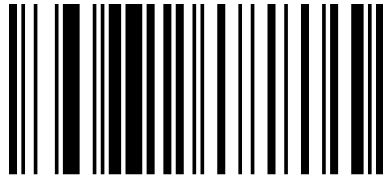
Press the button to trigger the reading, release the button to end the reading. Reading success or reading time over a single reading time will end the reading.



013300  
By trigger

### • Continuous Mode

Under continuous mode scanner performs continuous work. Reading success or reading time over a single reading time will end the reading. More than the specified time will automatically trigger the next reading



013304  
Continuous Scanning

## Terminator configuration

The scanner provides a shortcut for setting the terminating character suffix to CR or CRLF and enabling it by scanning the appropriate barcode below.



Add CR



Add LF



Add CR+LF



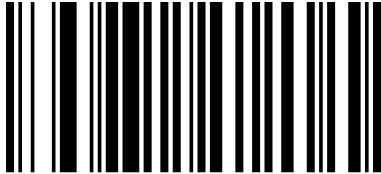
None



0212@

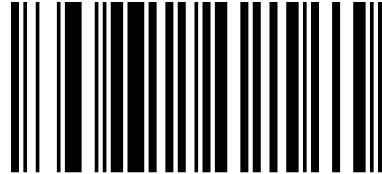
TAB

## Reader Beep Tone



014201

Beep Tone ON

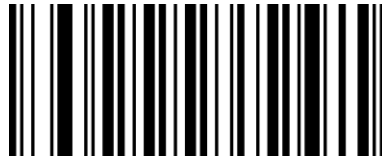


014200

Beep Tone OFF

## Default Configuration

If you want to cancel all the configuration that you have done to the scanner. Scan below barcodes to the restore factory.

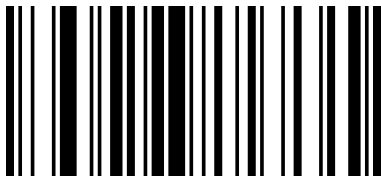


000B0

Factory Default

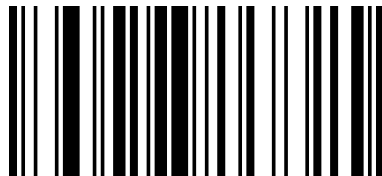
## Common Function Barcodes

### EAN-8



00371

Enable EAN-8\*

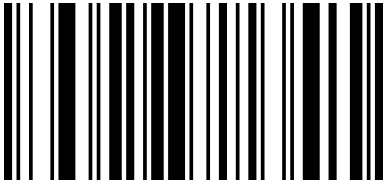


00370

Disable EAN-8

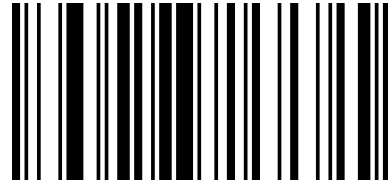
## Transmit Check Digit

EAN-8 is 8 digits in length with the last one as its check digit used to verify the integrity of the data. The default mode opens “transmit EAN-8 Check Digit”. Users can scan the code below to choose it.



00571

Transmit EAN-8 Check Digit



00570

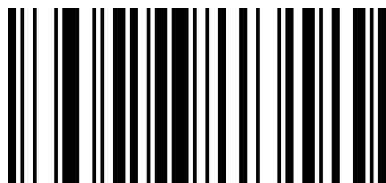
Do Not Transmit EAN-8 Check Digit

## 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. The default mode opens “Disable Add-on Code”. Users can take “Add-On Code Setting” for reference.

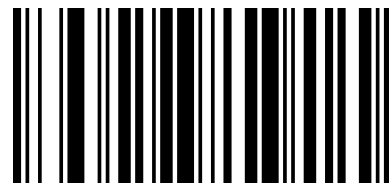


## EAN-13



00361

Enable EAN-13\*



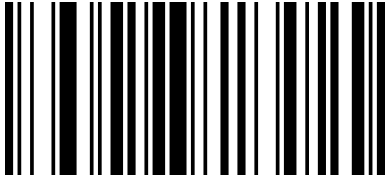
00360

Disable EAN-13

## Transmit Check Digit

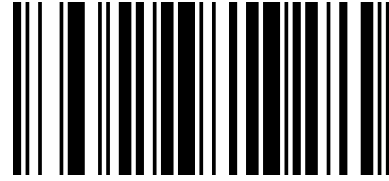
EAN-13 is 13 digits in length with the last one as its check digit used to verify the integrity of the data. The default mode opens “Transmit EAN-13 Check Digit”. Users can choose to send it or not

.



00461

Transmit EAN-13 Check Digit\*



00460

Do Not Transmit EAN-13 Check Digit

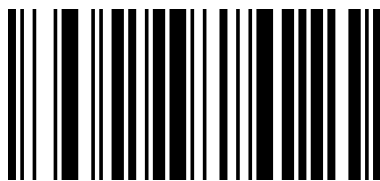
### Add-On Code

And EAN-8/EAN-13 Barcode can be augmented with a two-digit or five-digit add-on code form a new one. In the example below, the part surrounded by blue line is an EAN-8 barcode while the part circled by red line is add-on code. The default mode opens “ Disable Add-on Code”. Users can take “Add-On Code Setting” for reference.



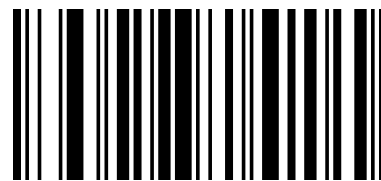
### EAN-13 Transfer to ISBN

The International Standard Book Number (ISBN) is a unique numeric commercial book identifier. The ISBN is 13 digits long, When you scan “EAN-13 Transfer to ISBN” programming code, the output code will be 10 digits long ISBN code. The default closes this mode.



00481

Enable EAN-13 Transfer to ISBN

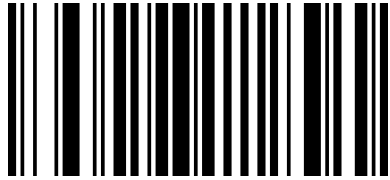


00480

Disable EAN-13 Transfer to ISBN\*

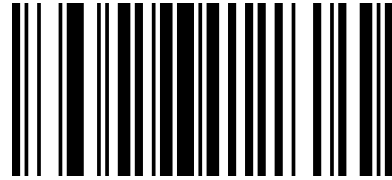
## EAN-13 Transfer to ISSN

An International Standard Serial Number (ISSN) is used to uniquely identify a serial publication. When you scan “EAN-13 Transfer to ISSN” programming code, the output code will be 10 digits long ISSN code. The default closes this mode.



01501

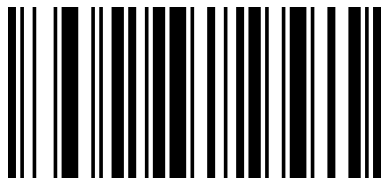
Enable EAN-13 Transfer to ISSN



01500

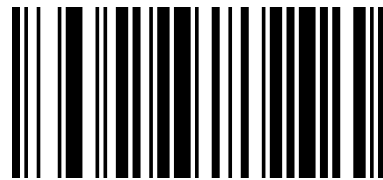
Disable EAN-13 Transfer to ISSN

## Codabar



00851

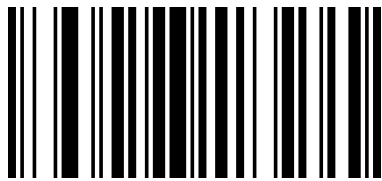
Enable Codabar



00850

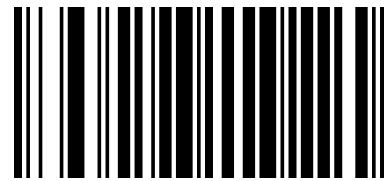
Disable Codabar

## Code 11



01261

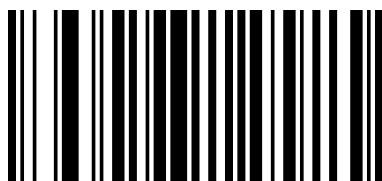
Enable Code 11\*



01260

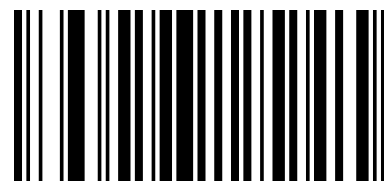
Disable Code 11

## Code 39



00221

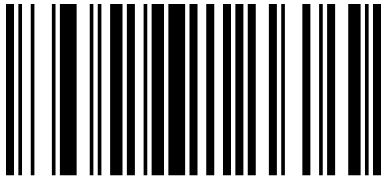
Enable Code 39\*



00220

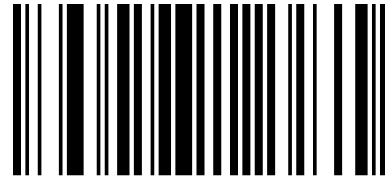
Disable Code 39

**Full ASCII**



00231

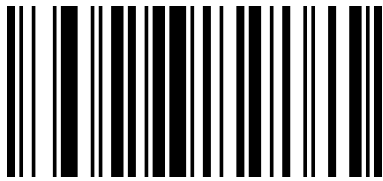
Enable Full ASCII\*



00230

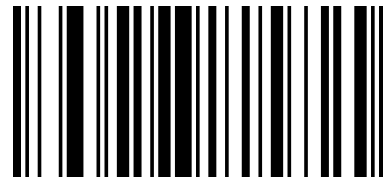
Disable Full ASCII

**Code 93**



00621

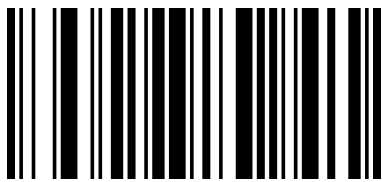
Enable Code 93\*



00620

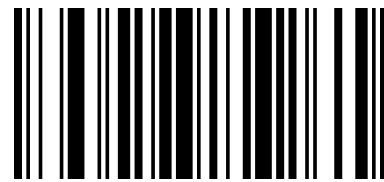
Disable Code 93

**Code128**



00691

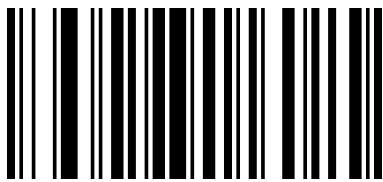
Enable Code 128\*



00690

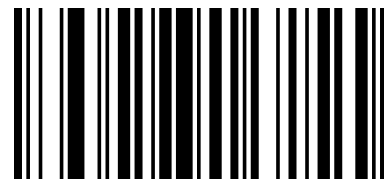
Disable Code 128

**GS1 DataBar Limited (RSS Limited)**



01771

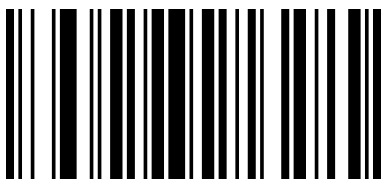
Enable RSS Limited



01770

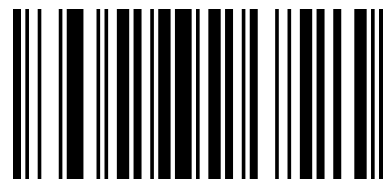
Disable RSS Limited\*

**GS1 DataBar Ominidirectional (RSS Ominidirectional)**



01671

Enable RSS Ominidirectional

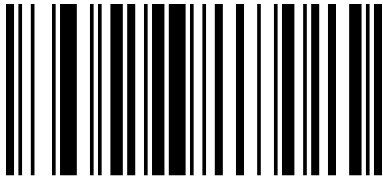


01670

Disable RSS Ominidirectional\*

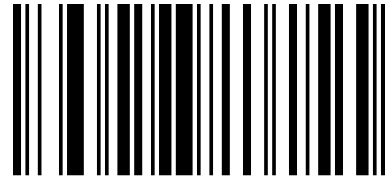


## UPC-A



00341

Enable UPC-A \*

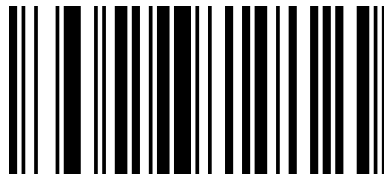


00340

Disable UPC-A

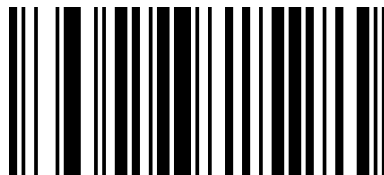
## Transmit Check Digit

UPC-A is 12 digits in length with the last one as its check digit used to verify the integrity of the data. The default mode opens “Transmit UPC-A Check Digit”. Users can choose to send it or not.



00421

Transmit UPC-A Check Digit\*



00420

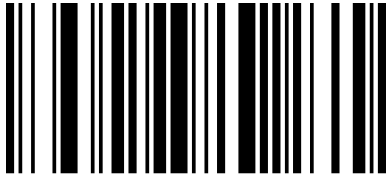
Transmit UPC-A Check Digit

## 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. In the examples below, the part surrounded by blue line is a UPC-A barcode while the part circled by red line is add-on code. Users can take “Add-On Code” Setting for reference.

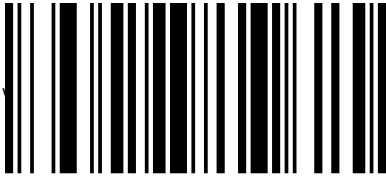


**UPC-A Transfer to EAN-13**



00391

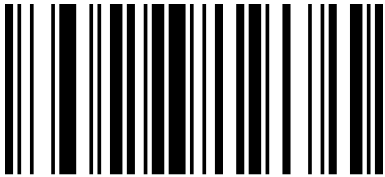
Enable UPC-A Transfer to EAN-13



00390

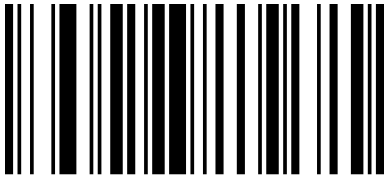
Disable UPC-A Transfer to EAN-13

**UPC-E**



00351

Enable UPC-E



00350

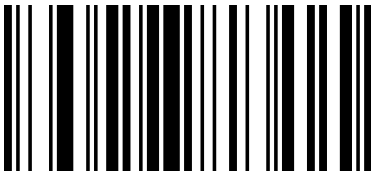
Disable UPC-E

**Add –On Code Setting**

In the example below ,the part surrounded by blue line is a UPC-A barcode while the part circled by red line is add-on code. Users can take “Add-On Code Setting”for reference.

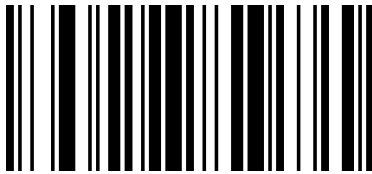


**Interleaved 2 of 5**



00961

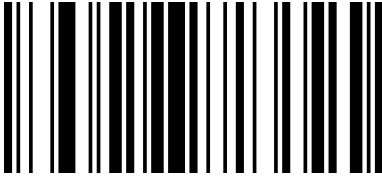
Enable Interleaved 2 of 5\*



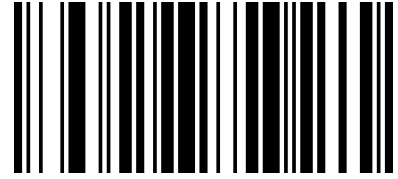
00960

Disable Interleaved 2 of 5

**Industrial 2 of 5**

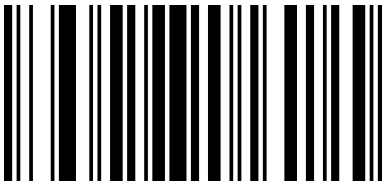


01061  
Enable Industrial 2 of 5\*

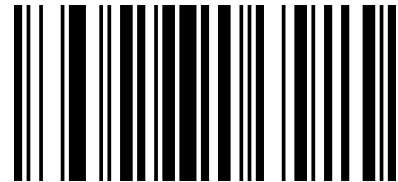


01060  
Disable Industrial 2 of 5

**Standard 2 of 5**



01871  
Enable Standard 2 of 5

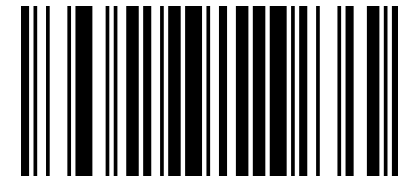


01870  
Disable Standard 2 of 5

**Matrix 2 of 5**

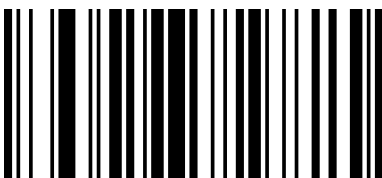


01461  
Enable Matrix 2 of 5\*



01460  
Disable Matrix 2 of 5

**MSI**

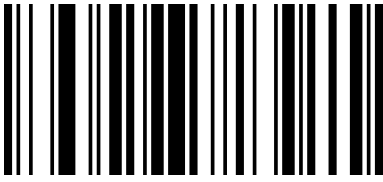


01151  
Enable MSI



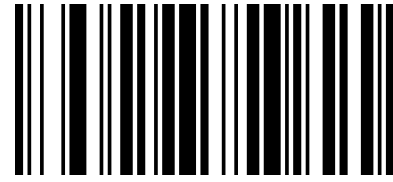
01150  
Disable MSI\*

## Plessey



01161

Enable Plessey

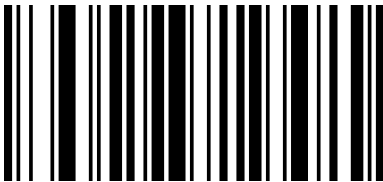


01160

Disable Plessey\*

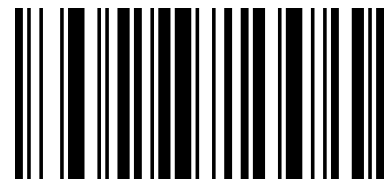
## Add-On Code Setting

Users can scan the code below to open or close the setting of UPC/EAN/JAN.



00551

Enable 2-Digit Add-On Code



00552

Enable 5-Digit Add-On Code



00553

Enable 2&5 Digit Add-On Code

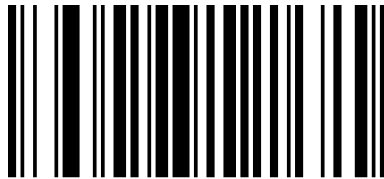


00550

Disable Digit Add-On Code\*

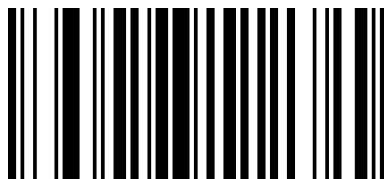
## Code ID Setting

Users usually need to know barcode type in the process of scanning, you can use Code ID prefix to recognize the barcode type. Please read "Appendix A" for the reference of the Code ID corresponding barcode type. No Code ID default setting.



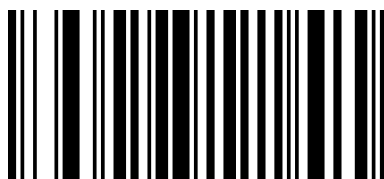
01400

Enable Code ID\*



01401

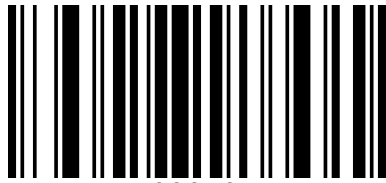
Enable Code ID (prefix)



01402

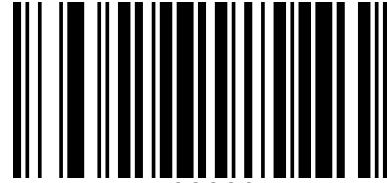
Enable Code ID (suffix)

## Custom Prefix



02240

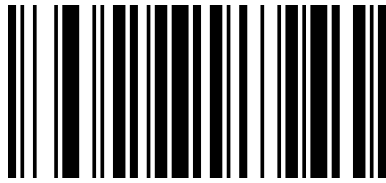
Custom Prefix



02220

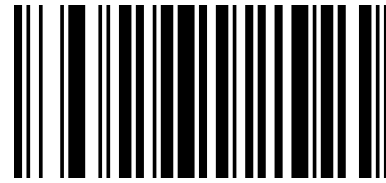
Clear all prefix

## Custom Suffix



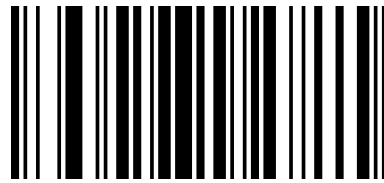
02241

Custom Suffix



02220

Clear all suffix



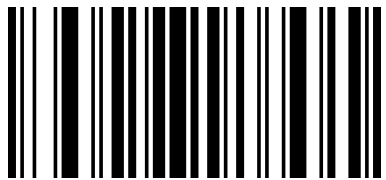
02242

Exit Custom Prefix and Suffix

## Custom Prefix

Step 1 : Scan code of 02240 ( add prefix )

Note: This step will clear all previous setting. Maximum you can add 32 character.

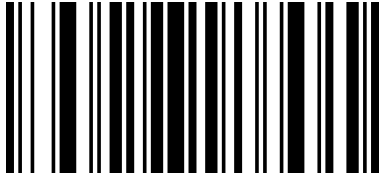


02240

Step 2 : Scan relevant barcode of the prefix that you want to add from Appendix B

For example: If you want to add "MG" as the prefix

Step1 :Scan "02240"



Step2: Scan "M", then scan "G"



7. Clear all prefix

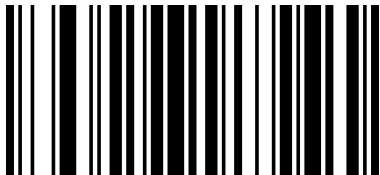
Scan clear all prefix (02220), then all previous prefix configuration will be cleared.



02220

8. Add Suffix

Step 1 : Scan code of 02241 ( add suffix )



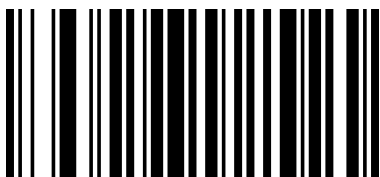
02241

Note: This step will clear all previous setting. Maximum you can add 32 characters.

Step 2: Scan relevant barcode of the suffix that you want to add from Appendix B You will get the suffix through above two steps after you scan barcodes.

8. Clear all suffix

Scan clear all suffix (02220), then all previous prefix configuration will be cleared.



02200

## Appendix A

No	Code ID	Type of Code(For Prefix &Suffix)	Symbology
1	@	00	All Symbologies
2	A	01	CODE 128
3	C	03	EAN 8
4	D	04	EAN 13
5	E	05	UPC-A
6	F	06	UPC-E
7	I	09	CODE 93
8	J	0A	GS1 Omnidirectional
9	K	0B	GS1 Limited
10	M	0D	CODE 39
11	N	0E	Interleaved 2 of 5
12	O	0F	Industrial 2 of 5
13	P	10	Standard 2 of 5
14	Q	11	Matrix 2 of 5
15	S	13	MSI
16	T	14	Plessey
17	U	15	CODE 11
18	V	16	Codebar



## Appendix B (ASCII Table)



1001  
SOH (01)



1002  
STX (02)



1003  
ETX (03)



1004  
EOT (04)



1005  
ENQ (05)



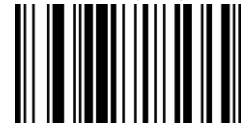
1006  
ACK (06)



1007  
BEL (07)



1008  
Backspace (08)



1009  
HT (09)



1010  
LF (0A)



1011  
VT (0B)



1012  
FF (0C)



1013  
CR (0D)



1014  
SO (0E)



1015  
SI (0F)



1016  
DEL (10)



1017  
DC1 (11)



1018  
DC2 (12)



1019  
DC3 (13)



1020  
DC4 (14)



1021  
NAK (15)



1022  
SYN (16)



1023  
ETB (17)



1024  
CAN (18)



1025

EM (19)



1028

FS (1C)



1031

US (1F)



1034

` (22)



1037

% (25)



1040

( (28)



1043

+ (2B)



1046

. (2E)



1026

SUB (1A)



1029

GS (1D)



1032

Space (20)



1035

# (23)



1038

& (26)



1041

) (29)



1044

, (2C)



1047

/ (2F)



1027

ESC (1B)



1030

RS (1E)



1033

! (21)



1036

\$ (24)



1039

` (27)



1042

\* (2A)



1045

- (2D)



1048

0 (30)



1049

1 (31)



1052

4 (34)



1055

7 (37)



1058

: (3A)



1061

= (3D)



1064

@ (40)



1067

C (43)



1070

F (46)



1050

2 (32)



1053

5 (35)



1056

8 (38)



1059

; (3B)



1062

> (3E)



1065

A (41)



1068

D (44)



1071

G (47)



1051

3 (33)



1054

6 (36)



1057

9 (39)



1060

< (3C)



1063

? (3F)



1066

B (42)



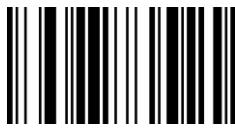
1069

E (45)



1072

H (48)



1073

I (49)



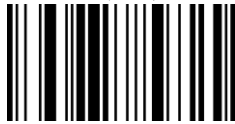
1076

L (4C)



1079

O (4F)



1082

R (52)



1085

U (55)



1088

X (58)



1091

[ (5B)



1094

^ (5E)



1074

J (4A)



1077

M (4D)



1080

P (50)



1083

S (53)



1086

V (56)



1089

Y (59)



1092

\ (5C)



1095

\_ (5F)



1075

K (4B)



1078

N (4E)



1081

Q (51)



1084

T (54)



1087

W (57)



1090

Z (5A)



1093

] (5D)



1096

~ (60)



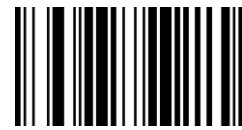
1097

a (61)



1098

b (62)



1099

c (63)



1100

d (64)



1101

e (65)



1102

f (66)



1103

g (67)



1104

h (68)



1105

i (69)



1106

j (6A)



107

k (6B)



1108

l (6C)



1109

m (6D)



1110

n (6E)



1111

o (6F)



1112

p (70)



1113

q (71)



1114

r (72)



1115

s (73)



1116

t (74)



1117

u (75)



1118

v (76)



1119

w (77)



1120

x (78)



1121

y (79)



1124

| (7C)



1127

Delete (7F)



1122

z (7A)



1125

} (7D)



1123

{ (7B)



1126

~ (7E)