



DPM barcode scanner  
user manual

V1.1

Website : [www.winsonchina.com](http://www.winsonchina.com)



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# Chapter 1 system settings

## Smart Debug Mode

Intelligently adjust the optimal light source and scanning settings

### Settings step:

1. Scan the "smart debugging mode" setting code to enter the setting mode (the red light flashes)
2. Press the button to scan the barcode to be adjusted
3. If the adjustment is successful, the decoding prompt will be heard multiple times, and if it fails, a short prompt will be returned.

### Unset:

1. Set the fill light working mode to "Smart Light source switch"



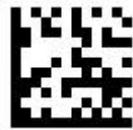
Smart light source  
switch

# Restore default

Will restore all properties of the scanner to the factory state



Enter setting



Restore  
default



End&save

# Customized settings

**Save custom settings: save frequently used settings**

**Load Custom Settings: Set saved custom settings**



Enter setting



Save custom  
settings



Load custom  
setting

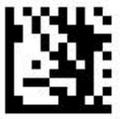


End&save

## Decode area

Full area decoding: the entire area of the image (the entire image) is used for decoding

Aiming Area Decoding: The barcode must be in the area of the aiming indication to be successfully read



Enter setting



Full area  
decode  
(default)



Aiming area  
decode



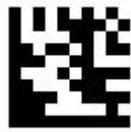
End setting

## Button trigger

Scanning is performed when the scan key is pressed, and the scan ends when the scan key is released or when the reading time exceeds



Enter setting



Button trigger  
(default)



End setting

pulse triggering



Enter setting



Pulse trigger



End setting

# Auto trigger



Enter setting



Auto trigger



End setting

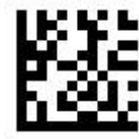
# Auto Sensitivity



Enter setting



Low sensitivity



Medium (default)



High sensitivity



End setting

# Fill light working mode



Enter setting



Smart light source  
switch (default)



White light



Red  
light



Blue light

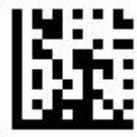


End setting

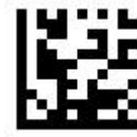
# Aiming light



Enter setting



Always on (default)



On when scanning



Turn off



End setting

# Decode Beep Frequency



Enter setting



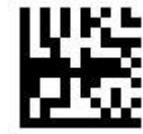
lowest- 800 Hz



Low - 1600 Hz



middle - 2730 Hz (default)



High - 4200 Hz



End setting

# Decode data check



Enter setting



Turn off (default)



Output after reading twice



Output after reading three  
times



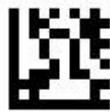
End setting

# Chapter 2 output mode

## USB keyboard port



Enter setting



USB keyboard port  
(default)



End setting

# USB virtual serial port



Enter setting



USB virtual serial port



End setting

# RS232



Enter setting



RS232 output

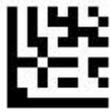


End setting

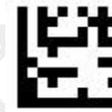
# Serial baud rate



Enter setting



9600 (default)



19200



38400



57600



115200



230400

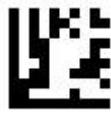


End setting

# Serial port data bit transmission



Enter setting



7 data bits



\*\*8 data bits



End setting

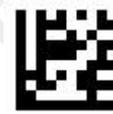
# Serial port parity character



Enter setting



\*\*No verify



Odd  
parity  
verfiy



Even partiy verifiy



End setting

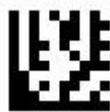
# RS232 stop bit



Enter setting



\*\*one stop bit



Two stop bit



End setting

# CB2312 Character Encoding



Enter setting



Chinese (GB2312) – Unicode / Excel ;  
Notepad



Chinese (GB2312) – Code Page / Word



End setting

## Chapter 3 barcode setting

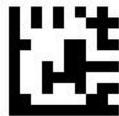
### Barcode supported

UPC A	Enabled by default
UPC E	Enabled by default
EAN 8	Enabled by default
EAN 13	Enabled by default
Code 128 / GS1-128	Enabled by default
Code 39	Enabled by default
Code 93	Turn off
Codabar	Turn off
Plessey	Turn off
MSI Plessey	Turn off
Interleaved 2 of 5	Enabled by default
Pharmacode	Turn off
Data Matrix	Enabled by default
QR	Enabled by default
Micro QR	Turn off

# Turn on all barcode



Enter setting



Turn on all  
barcode



End setting

# Turn on only 1D barcode



Enter setting



Turn on only  
1D barcode



End setting

# Turn on only 2D barcode



Enter setting



Turn on only  
2D barcode



End setting

# Turn off all barcode



Enter setting



Turn off all  
barcode



End setting

# Turn off 1D barcode



Enter setting



Turn off 1D  
barcode



End setting

# Turn off 2D barcode



Enter setting



Turn off 2D  
barcode

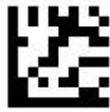


End setting

# UPC A



Enter setting



Turn on UPC A (default)



Turn off UPC A

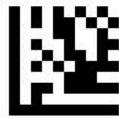


End setting

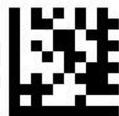
# Transmission first character



Enter setting



Transmission  
first character  
(default)



No transmission  
first character

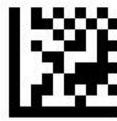


End setting

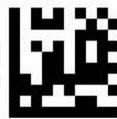
# Check the code



Enter setting



Turn on checking the code (default)



Turn off checking the code

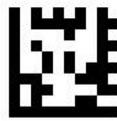


End setting

# Convert to EAN 13



Enter setting



Turn on converting to EAN 13



Turn off EAN 13 conversion (default)



End setting

# Turn on/off 2/5 additional code



Enter setting



Turn on UPC A 2/5 additional code



Turn off UPC A 2/5 additional code(default)



End setting

Limited to read 2/5 additional codes



Enter setting



Reads only UPC A 2/5 digit extensions



Read UPC A and UPC A 2/5 digit  
extensions (default)

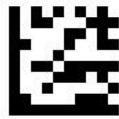


End setting

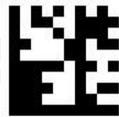
# UPC E



Enter setting



Turn on UPC E  
(default)



Turn off UPC A

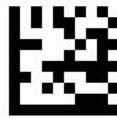


End setting

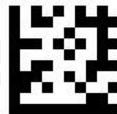
# Transfer the first character



Enter setting



Transfer the first character (default)



No transfer the first character

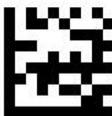


End setting

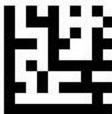
# Check the code



Enter setting



Turn on checking the code(default)



Turn off checking the code



End setting

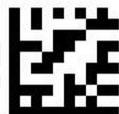
# Convert to UPC A



Enter setting



Turn on converting to  
UPC A



Turn off converting to  
UPC A (default)



End setting

# Turn on / off 2/5 additional code



Enter setting



Turn on UPC E 2/5 additional code



Turn off UPC E 2/5 additional code (default)

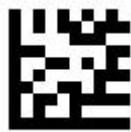


End setting

Limited to read 2/5 digit add-on code



Enter setting



Reads only UPC E 2/5 digit extensions



Read UPC E and UPC E 2/5 digit extensions  
(default)



End setting

# EAN 8



Enter setting



Turn on EAN  
8 (default)



Turn off EAN 8

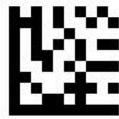


End setting

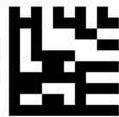
# transmit check digit



Enter setting



transmit check  
digit (default)



No transmit  
check digit

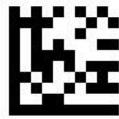


End setting

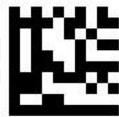
# Convert to EAN 13



Enter setting



Turn on converting to EAN 13



Turn off converting to  
EAN 13 (default)

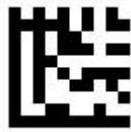


End setting

# Enable/disable 2/5 digit add-on code



Enter setting



Enable EAN 8 2/5 digit add-on  
code



Disable EAN 8 2/5 digit add-  
on code (default)



End setting

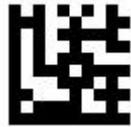
Limited to read 2/5 digit add-on code



Enter setting



Read only EAN 8 2/5 digit add-on code



Read EAN 8 and EAN 8 2/5 digit  
extensions (default)



End setting

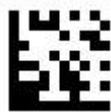
# EAN 13



Enter setting



Turn on EAN 13 (default)



Turn off EAN 13

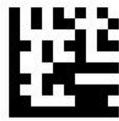


End setting

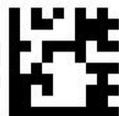
# Transfer check bits



Enter setting



transmit check digit (default)



No check digit is transmitted

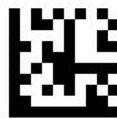


End setting

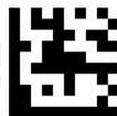
# ISBN conversion



Enter setting



Turn on ISBN conversion



Turn off ISBN conversion  
(default)

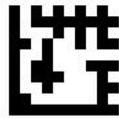


End setting

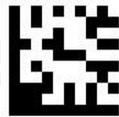
# ISSN conversion



Enter setting



Turn on ISSN conversion



Turn off ISSN conversion (default)

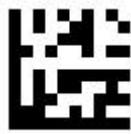


End setting

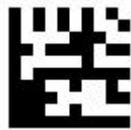
# Enable/disable 2/5 digit add-on code



Enter setting



Turn on EAN 13 2/5 digit add-on  
code



Turn off EAN 13 2/5 digit add-  
on code(default)



End setting

Limited to read 2/5 digit add-on code



Enter setting



Read only EAN 13 2/5 digit add-on code



Read EAN 13 and EAN 13 2/5 digit  
extensions (default)



End setting

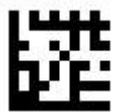
# Code 128 / GS1 -128



Enter setting



Turn on Code 128 / GS1-128 (default)



Turn off Code 128 / GS1-128



End setting

## Code 128 decoding length setting

### Setting example:

Limit reading of Code 128 codes with a length of 5 - 18 characters

Scan Enter setting

Scan Code 128 decode length setting barcode

scan ASCII Code table , number 0 barcode

scan ASCII Code table , number 5 barcode

scan ASCII Code table , number 1 barcode

scan ASCII Code table , number 8 barcode

Scan End setting

### Unlimited length

Scan Enter setting

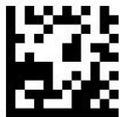
Scan Code 128 , Arbitrary length setting code

Scan End setting

# Code 128 decoding length setting



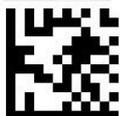
Enter setting



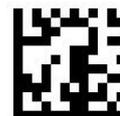
limit to a single length



limit to two different lengths



Limit length range



Unlimited length (default)



End setting

# Code 39



Enter setting



Turn on Code 39  
(default)



Turn off Code 39

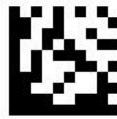


End setting

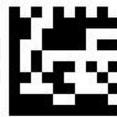
# Full ASCII



Enter setting



Turn on function of Code 39 Full ASCII



Turn off function of Code 39 Full ASCII  
(default)

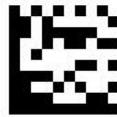


End setting

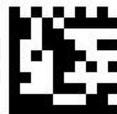
Start character / terminator



Enter setting



Transfer start / terminator



do not transmit start/stop  
characters (default)

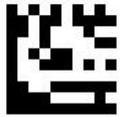


End setting

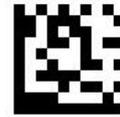
# Verify



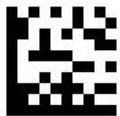
Enter setting



No check ( Default )



Verify and transmit



Verify but no transmit



End setting

## Code 39 Decoding length setting

Set the sample:

**Limit Code 39 codes with read lengths of 5-18 characters**

Scan Enter setting

Scan Code 39 Limit the length range setting code

scan	ASCII Code	table	,	Number	0	barcode
------	------------	-------	---	--------	---	---------

scan	ASCII Code	table	,	Number	5	barcode
------	------------	-------	---	--------	---	---------

scan	ASCII Code	table	,	Number	1	barcode
------	------------	-------	---	--------	---	---------

scan	ASCII Code	table	,	Number	8	barcode
------	------------	-------	---	--------	---	---------

Scan End setting

**No limit on length**

Scan Enter setting

Scan Code 39 , Any length setting

Scan End setting

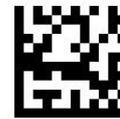
# Code 39 Decoding length setting



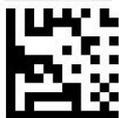
Enter setting



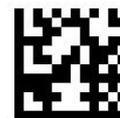
Limit a single length



Limits to two different lengths



Limit the length range



No limit length (default)



End setting

# Code 93



Enter setting



Turn on Code 93



Turn off Code 93  
(default)



End setting

## Code 93 Decoding length settings

Set the example:

**Limit Code 93 codes with read lengths of 5-18 characters**

Scan Enter setting

Scan Code 93 Limit the length range setting code

Scan ASCII Code table , number 0 barcode

Scan ASCII Code table , number 5 barcode

Scan ASCII Code table , number 1 barcode

Scan ASCII Code table , number 8 barcode

Scan End setting

**No limit on length**

Scan Enter setting

Scan Code 93 , Any length setting

Scan End setting

# Code 93 Decoding length settings



Enter setting



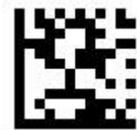
Limit a single length



Limits to two different lengths



Limit the length range



No limit length (default)

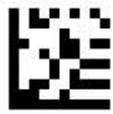


End setting

# Codabar



Enter setting



Turn on Codabar



Turn off Codabar (default)



End setting

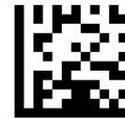
# Verify



Enter setting



Not checked (default)



Check and transfer



Check does not transfer

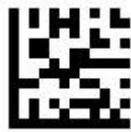


End setting

Start character / terminator



Enter setting



Transfer start / terminator



No transferring of origins /  
terminators (default)



End setting

## Codabar Decoding length settings

**Set the sample:**

**Limit Codabar codes with read lengths of 5-18 characters**

Scan Enter setting

Scan Codabar Limit the length range setting code

Scan ASCII Code table , number 0 barcode

Scan ASCII Code table , number 5 barcode

Scan ASCII Code table , number 1 barcode

Scan ASCII Code table , number 8 barcode

Scan End setting

**No limit on length**

Scan Enter setting

Scan Codabar , Any length setting code

Scan End setting

# Codabar Decoding length settings



Enter setting



Limit a single length



Limits to two different lengths



Limit the length range



No limit length (default)

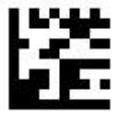


End setting

# Plessey



Enter setting



Turn on Plessey



Turn off Plessey  
(default)



End setting

## Plessey Decoding length settings

**Set the sample:**

**Limit Plessey codes with read lengths of 5-18 characters**

Scan Enter setting

Scan PlesseyLimit the length range setting code

Scan ASCII Code table , number 0 barcode

Scan ASCII Code table , number 5 barcode

Scan ASCII Code table , number 1 barcode

Scan ASCII Code table , number 8 barcode

Scan End setting

**No limit on length**

Scan Enter setting

Scan Plessey , any length setting code

Scan End setting

# Plessey Decoding length settings



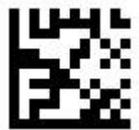
Enter setting



Limit a single length



Limits to two different lengths



Limit the length range



No limit length (default)



End setting

# MSI Plessey



Enter setting



Turn on MSI Plessey



Turn off MSI Plessey  
(default)

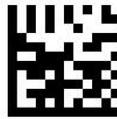


End setting

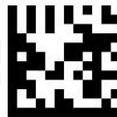
# Verify



Enter setting



No verify



Mod 10 verify (default)

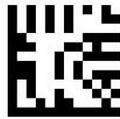


End setting

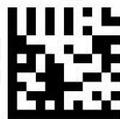
# Verify



Enter setting



Mod 10/10 Verify



Mod 11/10 verify

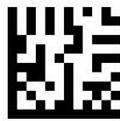


End setting

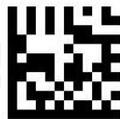
# Transfer check bits



Enter setting



Transfer check bit  
(default)



No transfer of  
check bits



End setting

## MSI Plessey Decoding length settings

Set the sample:

**Limit MSI Plessey codes with read lengths of 5-18 characters**

Scan Enter setting

Scan MSI Plessey Limit the length range setting code

scan	ASCII Code	table	,	number	0	barcode
scan	ASCII Code	table	,	number	5	barcode
scan	ASCII Code	table	,	number	1	barcode
scan	ASCII Code	table	,	number	8	barcode

Scan End setting

**No limit on length**

Scan Enter setting

Scan MSI Plessey , Arbitrary length setting code

Scan End setting

# MSI Plessey Decoding length settings



Enter setting



Limit a single length



Limits to two different lengths



Limit the length range



No limit length (default)



End setting

# Interleaved 2 of 5



Enter setting



Turn on Interleaved 2 of  
5 (default)



Turn off Interleaved 2 of 5

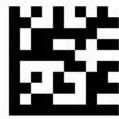


End setting

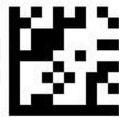
# Verify



Enter setting



No verify  
( default )



verify and transfer



End setting

## Interleaved 2 of 5 Decoding length settings

Set the sample:

**Limit Interleaved 2 of 5 codes with read lengths of 5-18 characters**

Scan Enter setting

Scan Interleaved 2 of 5 Limit the length range setting code

scan ASCII Code table , number 0 barcode

scan ASCII Code table , number 5 barcode

scan ASCII Code table , number 1 barcode

scan ASCII Code table , number 8 barcode

Scan End setting

**No limit on length**

Scan Enter setting

Scan Interleaved 2 of 5, arbitrary length setting code

Scan End setting

# Interleaved 2 of 5 Decoding length settings



Enter setting



Limit a single length



Limits to two different lengths



Limit the length range



No limit length (default)



End setting

# Pharmacode



Enter setting



Turn on  
Pharmacode



Turn off Pharmacode  
(default)

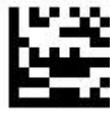


End setting

# Data Matrix



Enter setting



Turn on Data Matrix (default)



Turn off Data Matrix

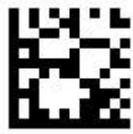


End setting

# Rectangular Data Matrix



Enter setting



Turn on Rectangular Data Matrix  
(default)



Turn off Rectangular Data Matrix

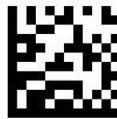


End setting

# Mirror code decoding



Enter setting



Turn on mirror code  
decode(default)



Turn off mirror code  
decode

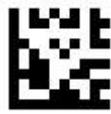


End setting

# QR



Enter setting



Turn on QR  
(default)



Turn off QR

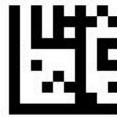


End setting

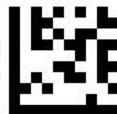
# Mirror code decoding



Enter setting



Turn on mirror code decoding (default)



Turn off mirror decoding (default)

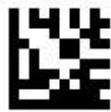


End setting

# Micro QR



Enter setting



Turn on Micro QR



Turn off Micro QR  
(default)



End setting

# Chapter 4 data edit

## Output format

The following is the data output format

Barcode information (4 bytes)	Prefix (4 bytes)	AIM ID	Barcode content	Suffix (4 bytes)	termination character (1 byte)
----------------------------------	------------------	--------	-----------------	------------------	-----------------------------------

Barcode information

1. The default output is to not output barcode information
2. Turn on and off the barcode message output by serial port command and scanning barcode
3. Only support serial port mode, USB keyboard does not support
- 4.

The format is defined as follows:

Start sign 0x03 (1 byte)	Barcode (1 byte) hexadecimal	Barcode length (2 bytes) 0x0001
--------------------------	---------------------------------	------------------------------------

The barcode symbol as follow:

Code	2D barcode	Code	1D barcode	Code	1D barcode
0x 41	PDF417	0x61	UPC A	0x71	Pharmacode
0x 42	Micro PDF417	0x 62	UPC E	0x72	GS1 DataBar 14
0x 43	Data Matrix	0x63	EAN 8	0x73	GS1 DataBar Expanded
0x 44	QR	0x64	EAN 13	0x74	GS1 DataBar Limited
0x 45	Micro QR	0x65	Code 128	0x75	Composite Code-A
0x 46	Aztec	0x66	Code 39	0x76	Composite Code-B
0x 47	MaxiCode	0x67	Code 93	0x77	Composite Code-C
		0x68	Code 32		
		0x69	Code 11		
		0x6A	Codabar		
		0x6B	Plessey		
		0x6C	MSI Plessey		
		0x6D	Interleaved 2 of 5		
		0x6E	IATA 2 of 5		
		0x6F	Matrix 2 of 5		
		0x70	Straight 2 of 5		

# Barcode information



Enter setting



Turn off  
(default)



Turn on

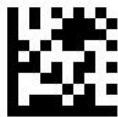


End setting

# Barcode identification code



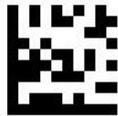
Enter setting



Turn off barcode identification  
code(default)



Turn on AIM ID



Turn on Mexxen ID



End setting

## Barcode identification code table

Symbology	Mexxen	AIM
UPC-A	A	E
UPC-E	E	E
EAN-8	FF	E
EAN-13	F	E
Code 128	K	C
Code 39	M	A
Code 93	L	G
Code 32	M	A
Code 11	O	H
Codabar	N	F
Plessey	P	P
MSI / Plessey	a	M
Interleaved 2 of 5	I	I
IATA 2 of 5	Z	R
Matrix 2 of 5	G	X
Straight 2 of 5	S	S
Pharmacode	H	X
GS1 DataBar 14	RS	e
GS1 DataBar Expanded	RX	e
GS1 DataBar Limited	RL	e
Composite CC-A	m	e
Composite CC-B	n	e
Composite CC-C	i	e
PDF417	r	L
Micro PDF417	s	L
Data Matrix	t	d
QR	u	Q
Micro QR	j	Q
Aztec	e	Z
MaxiCode	v	U

# Prefix

Add the output characters before the barcode data, which can be set for up to 4 characters

## **Add a to all barcode data:**

1. Scan "Enter setting"
2. Scan "Set all code prefix"
3. Scan Appendix III ASCII Code Table, a, setting code
4. Scan "End setting"

## **Remove the existing barcode prefix:**

1. Scan "Enter setting"
2. Scan "Close all code prefixes"
3. Scan "End setting"

## **Add & 1 characters before the EAN 13 bar code data:**

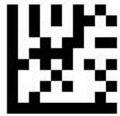
1. Scan "Enter setting"
2. Scan "Set the barcode prefix"
3. Scan Appendix 2 barcode setting code, "EAN 13 setting code"
4. Scan Appendix III ASCII Code Table, &, setting code
5. Scan Appendix 3 ASCII Code Table, 1 setting code
6. Scan "End setting"

## **To remove the set of EAN 13 prefix:**

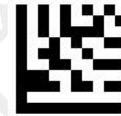
1. scan "Enter setting"
2. scan "Set the barcode prefix"
3. scan Appendix 2 barcode setting code, "EAN 13 setting code"
3. scan "End setting"



Enter setting



Close all code prefixes (default)



Set all the code prefixes



Set bar code prefix



Close the bar code prefix



End setting

## Suffix

Add the output characters after the barcode data, up to 4 characters can be set

### **After adding S to all barcode data:**

1. Scan "Enter setting"
2. Scan "Set all code suffixes"
3. Scan Appendix III ASCII Code Table, S, setting code
4. Scan "End setting"

### **Remove the existing barcode suffix:**

1. Scan "Enter setting"
2. Scan "Close all code suffixes"
3. Scan "End setting"

### **After adding + 2 characters to the Code 128 bar code data:**

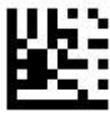
1. Scan "Enter setting"
2. Scan "Set the barcode suffix"
3. Scan Appendix 2 barcode setting code, "Code 128 setting code"
4. Scan Appendix 3 ASCII Code Table, + setting code
5. Scan Appendix 3 ASCII Code Table, 2 setting code
6. Scan "End setting"

### **To remove the set Code 128 suffix:**

1. Scan "Enter setting"
2. Scan "Set the barcode suffix"
3. Scan Appendix 2 barcode setting code, "Code 128 setting code"
4. Scan "End setting"



Enter setting



Close all code suffixes (default)



Set up all of the code suffixes



Set bar code suffix



Close the bar code suffix



End setting

# Remove the front-end characters

Remove the barcode front-end characters to remove up to 20 characters

## **Remove all top 3 barcode data:**

1. Scan "Enter setting"
2. Scan "Remove all code front characters"
3. Scan the appendix 1, decimal number, 3 setting code
4. Scan "End setting"

## **Do not remove all barcode front-end characters:**

1. Scan "Enter setting"
2. Scan "Remove all code fronts"
3. Scan the appendix 1, decimal number, 0 setting code
4. Scan "End setting"

## **Remove the front end of QR barcode data:**

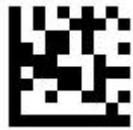
1. Scan "Enter setting"
2. Scan "Remove barcode front element"
3. Scan Appendix 2 barcode setting code, "QR setting code"
4. Scan the appendix 1, decimal number, 2 setting code
5. Scan "End setting"

## **Remove QR barcode front end data:**

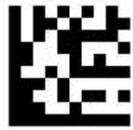
1. Scan "Enter setting"
2. Scan "Remove barcode front character"
3. Scan Appendix 2, barcode setting code, "QR setting code"
4. Scan the appendix 1, decimal number, 0 setting code
5. Scan "End setting"



Enter setting



Remove all code front-  
end characters



Remove the barcode  
front character



End setting

## Remove the end character

Remove the barcode end characters and remove up to 20 characters

### **Remove all barcode end 5-bit data:**

1. Scan "Enter setting"
2. Scan "Remove all code end characters"
3. Scan appendix 1, decimal number, 5 setting code
4. Scan "End setting"

### **Without removing all barcode end data:**

1. Scan "Enter setting"
2. Scan "Remove all code end characters"
3. Scan appendix 1, decimal number, 0 setting code
4. Scan "End setting"

### **Remove the end 2-bit data of the Code 39 barcode data:**

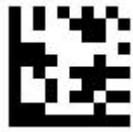
1. Scan "Enter setting"
2. Scan "Remove barcode end characters"
3. Scan Appendix 2 barcode setting code, "Code 39 setting code"
4. Scan appendix 1, decimal number, 2 setting code
5. Scan "End setting"

### **Remove Code 39 end characters:**

1. Scan "Enter setting"
2. Scan "Remove barcode end characters"
3. Scan Appendix 2 barcode setting code, "Code 39 setting code"
4. Scan appendix 1, decimal number, 0 setting code
5. Scan "End setting"



Enter setting



Remove all code  
end characters



Remove the end  
characters of the  
barcode

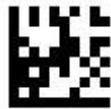


End setting

# termination character



Enter setting



NONE



Enter /CR (default)

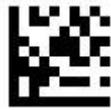


End setting

# termination character



Enter setting



CR / LF



TAB



End setting

# Caps Lock



Enter setting



Turn off Caps Lock  
(default)



Turn on Caps Lock



End setting

# GS character conversion

The GS characters in the conversion keyboard mode to the other ASCII code

## Set GS character convert to # :

1. Scan "Enter setting"
2. Scan "Convert GS character"
3. Scan ASCII Code table · # setting code
4. Scan "End setting"

## Set GS character convert to enter output:

1. Scan "Enter setting"
2. Scan " Convert GS character"
3. Scan ASCII Code table · Enter setting code
4. Scan "End setting"

## Restore GS character default

1. Scan "Enter setting"
2. Scan "Turn off GS character convert"
3. Scan "End setting"

# GS character convert



Enter setting



Turn off GS character convert(default)



GS character convert

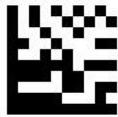


End setting

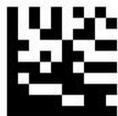
# Function Key Mapping



Enter setting



Turn off



Turn on  
(default)



End setting

# Function Key Mapping



Enter setting



Ctrl Char mode (default)



Alt + Unicode mode



End setting

Appendix 1 decimal number



0



5



1



6



2



7



3



8



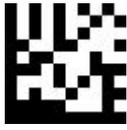
4



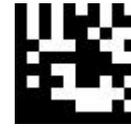
9

## Appendix II

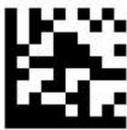
## Barcode setting code



UPC A



UPC E



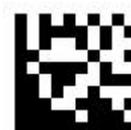
EAN 8



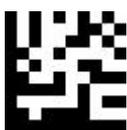
EAN 13



Code 128



Code 39



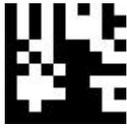
Code 93



Code 32

## Appendix II

## Barcode setting code



Code 11



Codabar



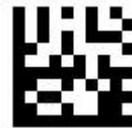
Plessey



MSI Plessey



Interleaved 2 of 5



IATA 2 of 5



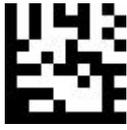
Matrix 2 of 5



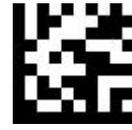
Straight 2 of 5

## Appendix II

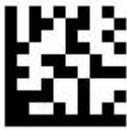
## Barcode setting code



Pharmacode



GS1 DataBar 14



GS1 DataBar Expanded



GS1 DataBar Limited



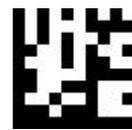
GS1 DataBar 14 Stacked



GS1 DataBar Expanded Stacked



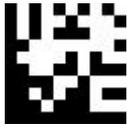
Composite Code-A



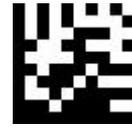
Composite Code-B

## Appendix II

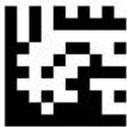
## Barcode setting code



Composite Code-C



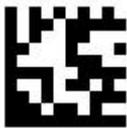
PDF417



Micro PDF417



Data Matrix



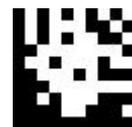
QR



Micro QR

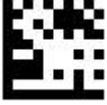


Aztec

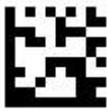


MaxiCode

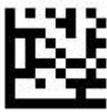
## Appendix III ASCII Code table

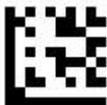
Hex	decimal	ASCII	Function Key Mapping		
			Turn off	Ctrl Char mode	Alt+Unicode mode
00	0	NUL	Null	Ctrl+@	Alt + 000
01	1	SOH	Home	Ctrl+A	Alt + 001
02	2	STX	End	Ctrl+B	Alt + 002
03	3	ETX	Up Arrow	Ctrl+C	Alt + 003
04	4	EOT	Down Arrow	Ctrl+D	Alt + 004
05	5	ENQ	Left Arrow	Ctrl+E	Alt + 005
06	6	ACK	Right Arrow	Ctrl+F	Alt + 006
07	7	BEL	Null	Ctrl+G	Alt + 007
08	8		Backspace	Backspace	Alt + 008
09	9		TAB	TAB	Alt + 009
0A	10	LF	Null	Ctrl+J	Alt + 010
0B	11	VT	Null	Ctrl+K	Alt + 011
0C	12	FF	Null	Ctrl+L	Alt + 012
0D	13		Enter	Enter	Enter
0E	14	SO	Page Up	Ctrl+N	Alt + 014
0F	15	SI	Page Down	Ctrl+O	Alt + 015

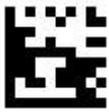
Hex	decimal	ASCII	Function Key Mapping		
			Turn off	Ctrl Char mode	Alt+Unicode mode
10	16	DLE	F11	Ctrl+P	Alt + 016
11	17	DC1	Null	Ctrl+Q	Alt + 017
12	18	DC2	Null	Ctrl+R	Alt + 018
13	19	DC3	Null	Ctrl+S	Alt + 019
14	20	DC4	Null	Ctrl+T	Alt + 020
15	21	NAK	F12	Ctrl+U	Alt + 021
16	22	SYN	F1	Ctrl+V	Alt + 022
17	23	ETB	F2	Ctrl+W	Alt + 023
18	24	CAN	F3	Ctrl+X	Alt + 024
19	25	EM	F4	Ctrl+Y	Alt + 025
1A	26	SUB	F5	Ctrl+Z	Alt + 026
1B	27	ESC	F6	Ctrl+[	Alt + 027
1C	28	FS	F7	Ctrl+\	Alt + 028
1D	29	GS	F8	Ctrl+]	Alt + 029
1E	30	RS	F9	Ctrl+^	Alt + 030
1F	31	US	F10	Ctrl+_	Alt + 031

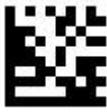
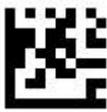
Hex	decimal	ASCII	
20	32	SPACE	
21	33	!	
22	34	"	
23	35	#	

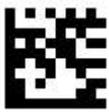
Hex	decimal	ASCII	
24	36	\$	
25	37	%	
26	38	&	
27	39	'	

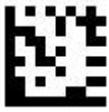
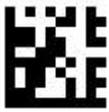
Hex	decimal	ASCII	
28	40	(	
29	41	)	
2A	42	*	
2B	43	+	

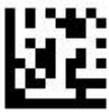
Hex	decimal	ASCII	
2C	44	,	
2D	45	-	
2E	46	.	
2F	47	/	

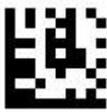
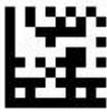
Hex	decimal	ASCII	
30	48	0	
31	49	1	
32	50	2	
33	51	3	

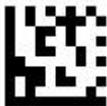
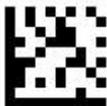
Hex	decimal	ASCII	
34	52	4	
35	53	5	
36	54	6	
37	55	7	

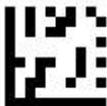
Hex	decimal	ASCII	
38	56	8	
39	57	9	
3A	58	:	
3B	59	;	

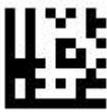
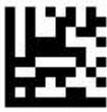
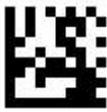
Hex	decimal	ASCII	
3C	60	<	
3D	61	=	
3E	62	>	
3F	63	?	

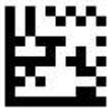
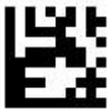
Hex	decimal	ASCII	
40	64	@	
41	65	A	
42	66	B	
43	67	C	

Hex	decimal	ASCII	
44	68	D	
45	69	E	
46	70	F	
47	71	G	

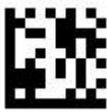
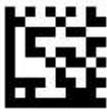
Hex	decimal	ASCII	
48	72	H	
49	73	I	
4A	74	J	
4B	75	K	

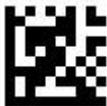
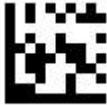
Hex	decimal	ASCII	
4C	76	L	
4D	77	M	
4E	78	N	
4F	79	O	

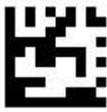
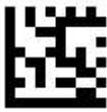
Hex	decimal	ASCII	
50	80	P	
51	81	Q	
52	82	R	
53	83	S	

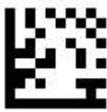
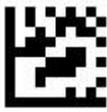
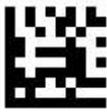
Hex	decimal	ASCII	
54	84	T	
55	85	U	
56	86	V	
57	87	W	

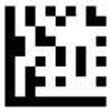
Hex	decimal	ASCII	
58	88	X	
59	89	Y	
5A	90	Z	
5B	91	[	

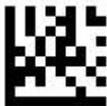
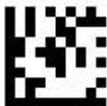
Hex	decimal	ASCII	
5C	92	\	
5D	93	]	
5E	94	^	
5F	95	-	

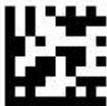
Hex	decimal	ASCII	
60	96	,	
62	97	a	
62	98	b	
63	99	c	

Hex	decimal	ASCII	
64	100	d	
65	101	e	
66	102	f	
67	103	g	

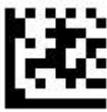
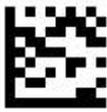
Hex	decimal	ASCII	
68	104	h	
69	105	i	
6A	106	j	
6B	107	k	

Hex	decimal	ASCII	
6C	108	l	
6D	109	m	
6E	110	n	
6F	111	o	

Hex	decimal	ASCII	
70	112	p	
71	113	q	
72	114	r	
73	115	s	

Hex	decimal	ASCII	
74	116	t	
75	117	u	
76	118	v	
77	119	w	

Hex	decimal	ASCII	
78	120	x	
79	121	y	
7A	122	z	
7B	123	{	

Hex	decimal	ASCII	
7C	124		
7D	125	}	
7E	126	~	
7F	127	Delete	

## Appendix IV Function key



Insert



Delete



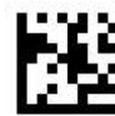
Home



End



Up Arrow



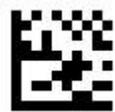
Down Arrow



Left Arrow



Right Arrow



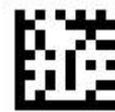
Shift



ESC



Ctrl



Alt



Page Up



Page Down



F1



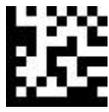
F2



F3



F4



F5



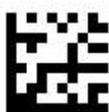
F6



F7



F8



F9



F10



F11



F12