Qoltec®

USER MANUAL

Wireless laser scanner 1D | 2D

Model: 50868

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Chapter 1 Basic Info

Factory Default Setting

* interface ： USBKBW
* Trigger Mode：Trigger Keeping Mode
* Terminal Character：Enter

Factory Default Setting

1. Current Setting Is Factory Default Setting

User can configure the scanner settings as per the demand,then scan below setting code to preserve it as customer default setting.

2. Customer Default Setting

When user has configured a setting as customer default setting,and once it is needed in the future, scan below QR code to restore customer default setting

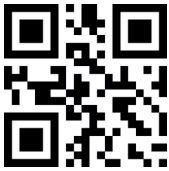
Customer Default Setting

3. Setting Codes ON/OFF

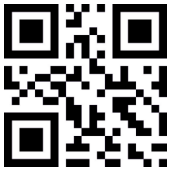
*ON

OFF

4. Send Setting Code Data



Enable



***Disable**

5. Product Info

Chapter 2 Interface

1. RS232

When the scanner is connected with device via RS232 cable, the scanner default run in serial mode. The communication settings should be matching between the scanner and device. The specification of RS232 interface is: 9600bps, 8 bits , No parity bit , 1 stop bit 。

TTL 232 Interface

（1）Baud Rate(Bps)

When the scanner is connected via TTL/RS232,the scanner has to be set same communication specs with the device,including Bps,Parity bit etc. The default Bps is 9600.

1200bps

2400bps

4800bps·

* 9600bps

19200bps

38400bps

57600bps

115200bps

（2）Parity Bit

Odd

Even

*No

（3）Stop bit

*1 Bit

2 Bit

2. USB KBW

When the scanner is connected via USB cable, scan below USB KBW setting code to configure the scanner standard keyboard output.

USB KBW

3. USB COM

When the scanner is connected via USB cable,scan USB COM to configure the scanner virtual COM output mode.

USB COM

Chapter 3 Working Mode

1. Power Mode

Under low power consumption mode, the scanner is in sleep mode after one reading trial.

Under non sleep mode, the scanner is awake after every reading trial

No matter which mode, the power status can be changed via SLEEP or WAKEUP command.

Non sleep mode

Low Power consumption

2. Manual Mode

（1） Manual Trigger Keeping Mode

Press the trigger button,it reads,release the button, it ends reading.Reading success or reading time exceeds, reading ends.

*Manual Trigger Keeping Mode

（2） Manual Trigger Mode

Underthis mode,press the button to read, release the button,the reading will not stop till reading success or reading time exceeds.

*Manual Trigger Mode

3. Continuous Mode

Under this continuous mode, the scanner keeps reading.

Continuous Mode

（1） Reading Interval

Under continuous mode, the period of 2 times reading. No matter the last reading success or fail, it enters into next reading automatically.

Default：500ms, Unit：100ms, Range：0-9900ms

Users can set the reading interval by setting codes.For example,

Set 0.5ms, scan below QR code, then scan numbers setting code “0” and “5”in Page 55

Reading Interval

4. Auto-induction Mode

Under this mode,the scanner will verify the environmental lightness around the target code, when the lightness changes, it will read.Reading success or reading time exceeds, the reading ends. No matter last reading success or failed, it re-verify the lightness, start the next reading.

Auto-induction Mode

（1） Stable Auto-induction Interval

The time before entering into verifying environmental lightness,default is 500ms, unit:100ms, range：0-9900ms

The interval can be configured. For example,

Set 200ms, scan below QR code, then scan numbers setting codes “0” and “2” in Page 55

Set 1500ms,scan below QR code, then scan numbers setting codes “1” and “5” in Page 55

Stable Auto-induction Interval

（2） Auto-induction sensitivity setting

***High**

Medium

Low

5. Single scanning interval

This is to set the time of single scanning, its range is 0.5~25.5s, Unit: 0.1 s. **Default is 3s**. By below setting code, then scan 3 numbers setting

codes for a target interval, it can configure different interval.If no enough 3 numbers, use 0 to replace.

For example,

Set 0.5s, first scan below QR setting code, then scan numbers setting codes “0”,“0”and“5” in page 55.

Set 10.5s,first scan below QR setting code, then scan numbers setting codes “1”,“0”and“5” in page 55

Single scanning interval

（1） Single scanning interval quick setting

No 3s 5s

10S 15s 20s

6. Interval of reading same code

This is to set that when reading one code, the scanner will not read this same code in the interval configured.

Default：500ms, Unit：100ms, Range：0-9900ms, this is mainly for continuous scanning mode and auto-induction mode

The interval can be set as following,for example, set 0.5s, first scan below QR setting code, then scan numbers setting code “0” and “5” in page 55

Interval of reading same code

（1） Quick setting of interval of reading same code

No

1s

3s

5s

7s

No limitation

Chapter 4 Lighting And Aiming

1. Lighting

ON when reading（ Default): It is on when the scanner is reading,or it is off.

Always ON：When it is powered on,the LED light is always on

Always OFF：It is not ON in any circumstance

*** ON when reading**

Always ON

Always OFF

2. Aiming

The aiming light is to help the user to focus the target code.

ON when reading（ Default):It is ON when the scanner is working.

Always ON：It is always ON, when the scanner is power up

Always OFF：It is not ON in any circumstance

Flash：When set, the aiming light will flash

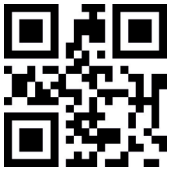
Non Flash：When set, the aiming light will not flash

Note：Flash and Non Flash is working only when aiming LED is set to ON status

*** ON when reading**

Always ON

Always OFF



Flash

Non Flash

Chapter 5 Output Reminder

1. Keyboard Language

（1） Countries Keyboard Languages

When the scanner is connected with device as keyboard,it needs to set country keyboard language.The default is American Keyboard Language.

*** American**

Belgium

Finland

France

German

Italy

Sweden

UK

Danmak

Norway

Spain

Portugal

Turkey F

Turkey Q

Japan

Russia

Czech

Thailand

Ukraine

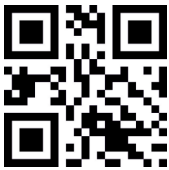
Brazil（ ABNT2）

Greece

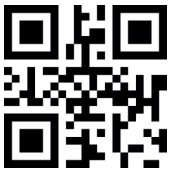
Hungary

Netherlands

Poland（ 214）



Romania（ Standard）



Slovakia

（ 2） Keyboard Types

When use virtual keyboard, the scanner can output correct data under any country keyboard of device. When use virtual keyboard, please enable NumLock.

*Standard Keyboard

Virtual Keyboard

（ 3） Interval of Character Output

Range is 0-1000ms,unit :5ms, default :5ms

0ms

10ms

（ 4） ASCII Control Character Output Options

ASCII Control character（ 0x00-0x20） Output options

Output function key： control character us as self-defined function key, detail function refers to Appendix 4

Output Ctrl combination key（ it is used with suffix and prefix）: Ctrl combination key output control character, detail function refers to Appendix 4.

ALT output control character：refer to ASCII sheet

Output Enter、Down Arrow：block other control characters，only output：0x07 output Enter,0x0A output Down Arrow, 0x0D output Enter.

Output Function Key
(0x00)

Output Ctrl Combination Key
(0x01)

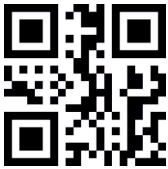
ALT output control characters
(0x02)

Output Enter、Down Arrow

(0x03)

2. Buzzer

（1） Buzzer Type



***Passive Buzzer**

Active Buzzer

（2） Silent Mode

Enable Turn OFF

***Disable Turn OFF**

（3） Volume Level

*High

Medium

Low

（4） Beep of Reading Success

*ON

OFF

（5） Beep of Starting up

*ON

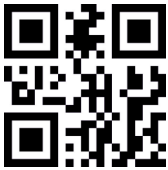
OFF

（6） beep of Setting Code

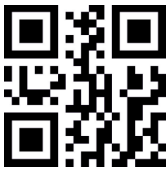
*ON

OFF

3. **Reading Well Indicator**



Disable



***Enable**

4. **Indicator working Mode**

***OFF when Power up**

ON when Power up

5. Reading Status Reminder

Before release trigger button, if the target code can't be decoded before the time exceeds, enable to send "NR" message.Any workable suffix or prefix can be added on this message.

When this is disabled,the message of "NR" cannot be sent.

***Disable Sending NR**

Enable Sending NR

6. Upper Case And Lower Case

When scan Upper Case,for example,the target bar code '**ab123dE**' will be read out AB123DE; When scan Lowe Case, the result will be abc123de; when scan Exchange, the result will be AB123De

***No exchange**

Upper Case

Lower Case

Exchange

7. Output Data Coding Format

In order to let device to print out Chinese data as per nominated coding format, it can be set via reading “data coding format”.

0:Original,

1:GBK(GB2312),for TXT,EXCEL etc

2:UNICODE,for WORD,QQ etc

Original

***GBK**

Unicode

8. Input Data Coding Format

*AUTO
(0x00)

GBK(GB2312)
(0x01)

UTF8
(0x02)

ASCII
(0x03)

Japanese

DEC(MCS)

Japanese singe bit

Chapter 6 Data Editing

1. Code ID

CODE ID Refer to Appendix 3。

***Disable to send ID**

Enable to send ID

2. Terminal Character

*** No**

CR LF

CR

TAB

CRCR

CR LFCR LF

3. Terminal Characters Exchange

LF(\n) and CR LF(\r\n) transfer to CR(\r)

*Disable

Enable

4. Prefix and Suffix

（1）Prefix

1) Scan multiple Prefix

multiple Prefix

2) Scan numbers setting code, every 4 scans will have one reading success sound

3) Scan finish setting

Finish Setting

（2）Suffix (if needs LF,add LF after Suffix)

1) Scan multiple suffix

multiple Suffix

2) Scan numbers setting code

3) Scan finish setting

Finish Setting

（ 3）Prefix and Suffix Activate

***Only output decoding data**

Output multiple suffix

output multiple prefix

Output multiple prefix and suffix

5. Add Suffix and Prefix Based On Code Types（ Not General Version）

（ 1）Prefix

Set prefix based on code types

1.scan above QR setting code;　2.select code type as per appendix 5 and appendix 4,scan query of HEX value, for example, OXF1 for QR Code type, scan 1,2,4,1 number setting codes;　3. scan the target prefix, for example “1”, then scan 1049（ 0x31）;　4. Scan below QR setting code

Finish setting multiple suffix & prefix

（ 2）Suffix

Refer to prefix setting

Set suffix based on code types

（3）Clear prefix based on code types

Clear prefix based on code type

1.scan above QR setting code; 2.select code type as per appendix 5 and appendix 4,scan query of HEX value, for example, OXF1 for QR Code type, scan 1,2,4,1 number setting codes;

Note：If needs to clear all code types prefix,scan“ 1， 2， 5， 5”（ 0xFF）

（4）Clear suffix based on code types

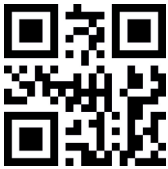
Refer to clear prefix

Clear suffix based on code type

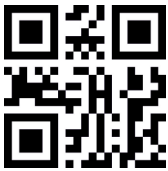
（5）Prefix and Suffix ON/OFFSetting (Data Format)

No Suffix And Prefix

Add Prefix（ Prefix+Data）



Add Suffix（ Data+Suffix）



Add Prefix and Suffix（ Prefix+Data+Suffix）

6. Hide Front, Middle,Rear Characters

（ 1）Hide Front Characters

The bar code data can be read out hiding any length,if the set of hiding length is over the code length, then full code data will be hided.

***Disable**

Enable

Set Digits of Hiding Front Data

The user can hide front data of code, digit range is 1-255.First scan below setting code, then scan numbers setting code in Page 55.For example, if need to hide front 16 digits of a code, please scan below setting code, and scan numbers setting code 0,1,6

（2）Set to Hide Middle Data

To hide middle data of code, the user can set the starting position and length to hide,if the starting position length is over the length of code, then not hide current code; if the setting length is over the length of remaining code data, then it will hide all digits from the starting position.

*Disable

Enable

Set the starting position of hiding middle data of code

Set the starting digit of hiding middle data of code, the range is 1-255. First scan below setting code, then scan numbers setting code in page 55. For example, hide the data after the third digit of a code(the fourth digit should be hided),scan below setting code,and scan numbers setting code 0,0,3

Set starting position of hiding middle data

Set length of hiding middle data of code

Set the length of hiding middle data, the range is 1-255. Scan below setting code, then scan numbers setting code in Page 55. For example, the user needs to hide 16 digits from the starting position, scan below setting code, then scan numbers setting code 0,1,6

Set length of hiding middle data of code

（3）Hide Rear Data

The data of code can be read out hiding rear data at any length, if the set length is over the digit of code, it will high full code data

***Disable**

Enable

Set digits of hiding rear data

Set the digits of hiding rear data, the range is 1-255. First scan below setting code, then scan numbers setting code.For example, when user needs to hide 16 digits, then scan below setting code, then scan number setting code 0,1,6

Set digits of hiding rear data

7. Hide front and rear data based on code type（Custom version）

（1）Hide front data based on code type

First scan below setting code, then scan code type(refer to Appendix 5),for example, QR code, the value is 0xF1, then scan 1000+241(0xF1)=1241,then scan hiding length.

Note: it supports to set for all code types（value 0xFF）。

For example, all code types hide 5 byte data:(1) scan “hide front data based on code type”,（2）then scan 1-2-5-5, 0-0-0-5

Hide front data based on code type

（2）Enable/Disable Hide Front Data

*Disable

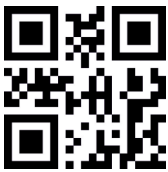
Enable

（3）Hide Rear data based on code type

Hide read data based on code type

（4）Enable/Disable Hide Rear Data

*Disable



Enable

8. Insert self-defined data（ Custom version）

（ 1）Enable/Disable Insert self-defined data

It supports to insert self-defined data at any position of code,maximum 10 byte

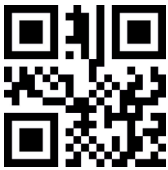
***Disable**

Enable

（ 2）Set the position of data to be inserted

As per position of data to be inserted， scan the value（ 4 digits numbers setting code） ,if no enough digits, use “0” in the front, for example, set to insert data after the third character,you need to scan 4 numbers setting code,0,0,0,3

If the position is 0, it will be inserted in the front of code.If the position is longer than the length of code,it will be inserted in the rear of code.The position range is from 0 to 5000



Set the position of data to be inserted

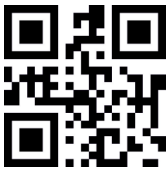
（ 3）Set the data to be inserted

Set self-defined data to be inserted, scan the self-defined data. For example,it needs to set character “QR”（ 0x51,0x52). the user needs to scan 2 groups numbers setting code 1081（ 1000+0x51）,1082

（ 1000+0x52 ） 。 Maximum support 10 digits self-defined data,it supports continuous setting, and it will exit automatically when 10 digits set.Scan “exit from set self-defined data”,it will exit and preserve the data the user already set.

Set the data to be inserted

（ 4）Exit from set self-defined data



exit from set self-defined data

9. STX And ETX

Disable

STX Prefix

ETX Suffix1

STX(Prefix)+ETX(Suffix1)

10. Character Replacement Function

This setting is to replace data of code by any character.It supports data 1:1 or 1:N replacement, for example A--B, A--BC, A--BCD....

（1）Scan below setting code

Then scan the character value, For example： GS， the numbers setting code 1029， scan in turn 1， 0， 2， 9 in page 55

（2）Scan" setting replacement data"

Setting replacement data

Then scan the data value, For example, character "}",the number setting code is 1125， scan in turn 1， 1， 2， 5

（3）Finish setting

Finish setting

（4）Scan Enable Data Replacement ,to Enable the replace function

Enable

Disable

Chapter 7 Code Types Enable/Disable Setting

1. All Types Code Enable/Disable

Enable

Disable

2. 1D code Enable/Disable

Enable

Disable

3. 2D Code Enable/Disable

Enable

Disable

4. Normal and Reverse codes Enable/Disable

It is for 1D codes, for 2D, please refer to 2D codes separately

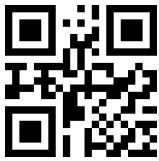
Enable

Disable

5. Multiple codes reading

（1） Compulsory Reading Multiple Codes

Enable



Disable

（2） Numbers of reading codes

1

2

3

6. UPC-A

（3） UPC-A Enable

*Enable

Disable

（4）UPC-A Leading code

No

*System Character（ Default）

System Char. And Country Code

7. UPC-A Additional code

（1） UPC-A 2 digital

Enable

*Disable

UPC-A Check bit

No Transit UPC-A

*Transit

（2） UPC-A 5 bit additional code

Enable

*Disable

（3） UPC-A additional code(Compulsory)

Enable

*Disable

8. UPC-E

（1）UPC-E Enable

*Enable

Disable

（2）**UPC-E Leading Code**

No leading code*

System character（Default）

System character&Country Code

（3）**UPC-E Check bit**

Non Transit

***Transit**

9. UPC-E Additional code

（1） **UPC-E 2 digit Additional code**

Enable

***Disable**

（2） **UPC-E 5 digit Additional code**

Enable

*Disable

（3） **UPC-E Additional code(Compulsory reading)**

Enable

*Disable

10. UPC-E to UPC-A

Enable

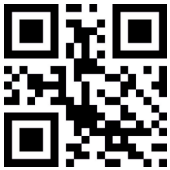
*Disable

11. UPC-A to EAN-13

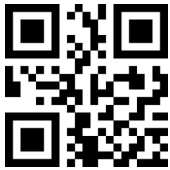
Enable

*Disable

12. UPC-E1



Enable



*Disable

13. EAN-8

（1） EAN-8 Enable

*Enable

Disable

（2）EAN-8 check bit

Disable

Enable

14. EAN-8Additional code

（1） EAN-8 2 digit Additional code

Enable

*Disable

（2） EAN-8 5digit Additional code

Enable

*Disable

（3） EAN-8 Additional code(Compulsory)

Enable

*Disable

15. EAN-13

（1） EAN-13Enable

*Enable

Disable

（2） EAN-13 check bit

Disable

*Enable

16. Bookland EAN (ISBN)

When ISBN Disable, read as EAN13

Enable ISBN

***Disable ISBN**

17. ISSN

When ISSN Disable, read EAN13

Enable ISBN

***Disable ISSN**

18. EAN-13Additional code

（1） EAN-13 2 digit Additional code

Enable

***Disable**

（2） EAN-13 5 digit Additional code

Enable

*Disable

（3） EAN-13 Additional code(Compulsory)

Enable *Disable

19. CODE 128


*Enable


Disable

20. GS1-128（ From UCC/EAN-128）


* Enable


Disable

21. Interleaved 2 of

（ 1） I 2 of 5 Enable


*Enable


Disable

（ 2） Interleaved 2 of 5 Length

User can set to read Interleaved 2 of 5 with the specific length, for example,set to read 4-20 bit range's interleaved 2 of 5

First scan below setting code, then scan numbers setting code 0,4,2,0 in page 55, change or cancel an incorrect input, scan appendix 2 Cancel Bar code.


Specific length range Interleaved 2 of 5


any length Interleaved 2 of 5

（3） **Verify Interleaved 2 of 5 Check bit**

Enable

*Disable

（4） **Transit Interleaved 2 of 5 check bit**

Enable

*Disable

22. Matrix 2 of 5

（1） **Matrix 2 of 5 Enable/Disable**

Enable

***Disable**

（2） **Matrix 2 of 5 reading length**

User can set to read Matrix 2 of 5 with the specific length, for example,set to read 4-20 bit range's Matrix 2 of 5

First scan below setting code, then scan numbers setting code 0,4,2,0 in page 55, change or cancel an incorrect input, scan appendix 2 Cancel Bar code.

Specific Length Range Matrix 2 of 5

any length Range Matrix 2 of 5

（3） **Matrix 2 of 5 check bit verification**

Enable *Disable

（4） **Transit Matrix 2 of 5 check bit**

Enable *Disable

23. Industrial 2 of 5

（1） **Industrial 2 of 5Enable/Disable**

Enable ***Disable**

（2） **Industrial 2 of 5 reading length**

User can set to read Industrial 2 of 5 with the specific length, for example,set to read 4-20 bit range's industrial 2 of 5

First scan below setting code, then scan numbers setting code 0,4,2,0 in page 55, change or cancel an incorrect input, scan appendix 2 Cancel Bar code.

Specific Length Range Industrial 2 of 5 any length range Industrial 2 of 5

24. Standard 2 of 5

（1） Standard 2 of 5 Enable/Disable

Enable

*Disable

（2） Standard 2 of 5 reading length

User can set to read standard 2 of 5 with the specific length, for example,set to read 4-20 bit range's standard 2 of 5

First scan below setting code, then scan numbers setting code 0,4,2,0 in page 55, change or cancel an incorrect input, scan appendix 2 Cancel Bar code.

Specific Length Range Standard 2 of 5

any length range Standard 2 of 5

25. Code 39

（1） code39 Enable/Disable

*Enable

Disable

（2） Code39 Length

Any length code39

（3） **Code39 check bit verification**

Enable

*Disable

（4） **Code39 check bit**

Transit check bit, need to enable check bit verification

Enable

*Disable

（5） **Code 39 start character and end character transmission**

*Disable

Enable

26. Code 39 Full ASCII

Enable

*** Disable**

27. Code 32

（1） **code32 Enable/Disable**

Enable *

Disable

（2） code32 add prefix A

Enable

*** Disable**

28. Code 93

（1） code93 Enable/Disable

Enable

*** Disable**

（2） code93 length

Any length

29. Code 11

（1） code11 Enable/Disable

Enable

*** Disable**

（2） code11 length

Any length

（3） **Check bit**

Enable

1 bit

2 bit

（4） **Check bit transmission**

Enable

*** Disable**

30. Coda bar

（1） **Coda bar Enable/Disable**

Enable

*** Disable**

（2） **Coda bar length**

Any length

（3） **Start Character and end character**

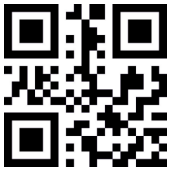
Start character and end character:“A”, “B”, “C”, “D”

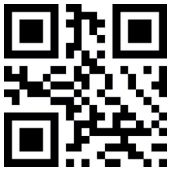
end character:“T”、“N”、“*”、“E”

***ABCD/ABCD**

ABCD/TN*E

（4） Transmission of start character and end character


Disable


*** Enable**

31. MSI

（1） MSI Enable/Disable


Enable


*** Disable**

（2） Length

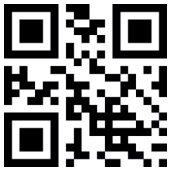

Any length

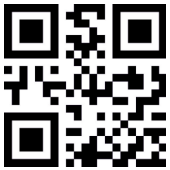
32. GS1-Databar


Enable


*** Disable**

33. GS1 composite code


Enable


*** Disable**

34. QR Code

（1） QR code Enable/Disable

*** Enable**

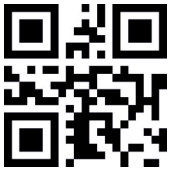
Disable

（2） QR code Reverse

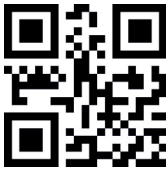
* Only normal

Normal and reverse

（3） QR Mirror image



***Disable**



Enable

35. Data Matrix

（1） Data Matrix Enable/Disable

*** Enable**

Disable

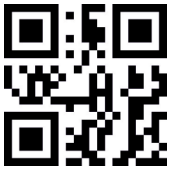
（2） Data Matrix Reverse

Normal

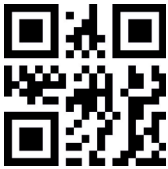
Only Reverse

Both

（3） Data Matrix Mirror image



*Disable



Enable

36. PDF 417

（1） PDF417 Enable/Disable

* Enable

Disable

37. Aztec code

Enable

*Disable

38. Maxi code

Enable

*Disable

39. Hanxin Code

Enable

*Disable

*ECI Non output

ECI output

40. Brazil Febraban code

Enable

***Disable**

Appendix 1：numbers setting code

0

1

2

3

4

5

6

7

8

9

Appendix 2：Cancel barcode

Change or cancel an incorrect input data, scan below setting code

Cancel

Appendix 3：Code ID

ID	Code type
A	UPC-A, UPC-E, EAN-8, EAN-13
B	Code 39, Code 32

C	Codabar
D	Code 128, GS1-128,ISBT 128
E	Code 93
F	Interleaved 2 of 5/ITF, ITF14
G	Industrial 2 of 5, Standard 2 of 5
H	CODE11
J	MSI, MSI/Plessey
R	GS1 DataBar-14, GS1 DataBar Limited, GS1 DataBar Expanded, RSS
V	Matrix 25
r	PDF417
u	DataMatrix(DM)
q	QR
a	Aztec Code
x	Maxi Code
c	HanXin

Appendix 4：

Scan value	Hex Value	Function Key	ctrl Combinatin Key
1000	00h	Null	CTRL 2
1001	01h	Keypad Enter	CTRL A
1002	02h	Caps lock	CTRL B
1003	03h	Right Arrow	CTRL C
1004	04h	Up Arrow	CTRL D
1005	05h	Null	CTRL E
1006	06h	Null	CTRL F
1007	07h	Enter	CTRL G
1008	08h	Left Arrow	CTRL H
1009	09h	Horizontal Tab	CTRL I
1010	0Ah	Down Arrow	CTRL J
1011	0Bh	Vertical Tab	CTRL K

1012	0Ch	Backspace	CTRL L
1013	0Dh	Enter	CTRL M
1014	0Eh	Insert	CTRL N
1015	0Fh	Esc	CTRL O
1016	10h	F11	CTRL P
1017	11h	Home	CTRL Q
1018	12h	Print Screen	CTRL R
1019	13h	Delete	CTRL S
1020	14h	tab+shift	CTRL T
1021	15h	F12	CTRL U
1022	16h	F1	CTRL V
1023	17h	F2	CTRL W
1024	18h	F3	CTRL X
1025	19h	F4	CTRL Y
1026	1Ah	F5	CTRL Z
1027	1Bh	F6	CTRL [
1028	1Ch	F7	CTRL \
1029	1Dh	F8	CTRL]
1030	1Eh	F9	CTRL 6
1031	1Fh	F10	CTRL -
1032	20h	Space	
1033	21h	!	
1034	22h	‘	
1035	23h	#	
1036	24h	$	
1037	25h	%	
1038	26h	&	
1039	27h	‘	
1040	28h	(	
1041	29h	)	
1042	2Ah	*	
1043	2Bh	+	
1044	2Ch	,	

1045	2Dh	-
1046	2Eh	.
1047	2Fh	/
1048	30h	0
1049	31h	1
1050	32h	2
1051	33h	3
1052	34h	4
1053	35h	5
1054	36h	6
1055	37h	7
1056	38h	8
1057	39h	9
1058	3Ah	:
1059	3Bh	;
1060	3Ch	<
1061	3Dh	=
1062	3Eh	>
1063	3Fh	?
1064	40h	@
1065	41h	A
1066	42h	B
1067	43h	C
1068	44h	D
1069	45h	E
1070	46h	F
1071	47h	G
1072	48h	H
1073	49h	I
1074	4Ah	J
1075	4Bh	K
1076	4Ch	L
1077	4Dh	M

1078	4Eh	N
1079	4Fh	O
1080	50h	P
1081	51h	Q
1082	52h	R
1083	53h	S
1084	54h	T
1085	55h	U
1086	56h	V
1087	57h	W
1088	58h	X
1089	59h	Y
1090	5Ah	Z
1091	5Bh	[
1092	5Ch	\
1093	5Dh	]
1094	5Eh	^
1095	5Fh	_
1096	60h	‘
1097	61h	a
1098	62h	b
1099	63h	c
1100	64h	d
1101	65h	e
1102	66h	f
1103	67h	g
1104	68h	h
1105	69h	i
1106	6Ah	j
1107	6Bh	k
1108	6Ch	l
1109	6Dh	m
1110	6Eh	n

1111	6Fh	o	
1112	70h	p	
1113	71h	q	
1114	72h	r	
1115	73h	s	
1116	74h	t	
1117	75h	u	
1118	76h	v	
1119	77h	w	
1120	78h	x	
1121	79h	y	
1122	7Ah	z	
1123	7Bh	{	
1124	7Ch	|	
1125	7Dh	}	
1126	7Eh	~	
1127	7Fh		Undefined

Appendix 5：Symbologies types

Code Type	Hex Value	Code Type	Hex Value
Not Applicable	0x00	EAN 13 with 5 Supps.	0x8B
Code 39	0x01	EAN 13	0x0B
Codabar	0x02	EAN 13 with 2 Supps.	0x4B
Code 128, Setup128	0x03	EAN 13 with 5 Supps.	0x8B
Discrete 2 of 5	0x04	MSI	0x0E
IATA 2 of 5	0x05	GS1-128	0x0F
Interleaved 2 of 5	0x06	UPC E1	0x10
Code 93	0x07	UPC E1 with 2 Supps.	0x50
UPC A	0x08	UPC E1 with 5 Supps.	0x90
UPC A with 2 Supps.	0x48	Trioptic Code 39	0x15
UPC A with 5 Supps.	0x88	Bookland EAN	0x16
UPC E0	0x09	Coupon Code	0x17
UPC E0 with 2 Supps.	0x49	GS1 DataBar-14	0x30

UPC E0 with 5 Supps.	0x89	GS1 DataBar Limited	0x31
EAN 8	0x0A	GS1 DataBar Expanded	0x32
EAN 8 with 2 Supps	0x4A	Code11	0x0C
EAN 8 with 5 Supps	0x8A	PDF417	0xF0
QR	0xF1	Data Matrix(DM)	0xF2
Aztec Code	0xF3	Maxi Code	0xF4
Veri Code	0xF5	Han Xin	0xF7
AIM128	0xA2	ISSN	0xA3
PLESSEY	0xA4		

Appendix 6：Serial command

Note：

1. Scanner is working under low power consumption, when send serial command, it will be needed to activate
2. Start decoding And stop decoding serial command works under host mode,please switch to hose mode first（ Please refer to serial command sheet）

Sheet 6-1

Item	Command
CMD_ACK	04 D0 04 00 FF 28
CMD_NAK	RESEND:05 D1 04 00 01 FF 25 BAD_CONTEXT:05 D1 04 00 02 FF 24 DENIED:05 D1 04 00 06 FF 20
DECODE_DATA	None
LED_OFF	05 E8 04 00 01 FF 0E
LED_ON	05 E7 04 00 01 FF 0F
PARAM_DEFAULTS	04 C8 04 00 FF 30
PARAM_REQUEST	As following
PARAM_SEND	As following
REQUEST_REVISION	04 A3 04 00 FF 55
REPLY_REVISION	None
SCAN_DISABLE	04 EA 04 00 FF 0E
SCAN_ENABLE	04 E9 04 00 FF 0F
SLEEP	04 EB 04 00 FF 0D

START_DECODE	04 E4 04 00 FF 14
STOP_DECODE	04 E5 04 00 FF 13
WAKEUP	None
RESET	04 FA 04 00 FE FE
Self-define Buzzer Sound	05 E6 04 00 00 FF 11 05 E6 04 00 01 FF 10

Sheet 6-2

item	Serial command
Default setting	Customer default:08 C6 04 08 00 F2 FF 00 FD 35 Factory defualt:08 C6 04 08 00 F2 FF 03 FD 32
Continuous scanning time	4s：07 C6 04 08 00 88 28 FE 77 10s:07 C6 04 08 00 88 64 FE 3B
Single scanning time(scanning last time)quick setting	No： 08 C6 04 08 00 F2 CF 00 FD 65 3s： 08 C6 04 08 00 F2 CF 03 FD 62 5s： 08 C6 04 08 00 F2 CF 05 FD 60 10s： 08 C6 04 08 00 F2 CF 0A FD 5B 15s： 08 C6 04 08 00 F2 CF 0B FD 5A 20s： 08 C6 04 08 00 F2 CF 0C FD 59 30s： 08 C6 04 08 00 F2 CF 0D FD 58 60s： 08 C6 04 08 00 F2 CF 0E FD 57
Power mode	Continuous Power：07 C6 04 08 00 80 00 FE A7 Lower power consumption：07 C6 04 08 00 80 01 FE A6
Trigger mode	Trigger Keeping：07 C6 04 08 00 8A 00 FE 9D Trigger ：07 C6 04 08 00 8A 02 FE 9B Continuous：07 C6 04 08 00 8A 04 FE 99 Auto-induction: 07 C6 04 08 00 8A 09 FE 94 Host：07 C6 04 08 00 8A 08 FE 95

Reading Interval	0s:07 C6 04 08 00 89 00 FE 9E 0.5s: 07 C6 04 08 00 89 05 FE 99 3s：07 C6 04 08 00 89 1E FE 80
Buzzer Sound Volume	Low：07 C6 04 08 00 8C 02 FE 99 Medium: 07 C6 04 08 00 8C 01 FE 9A High: 07 C6 04 08 00 8C 00 FE 9B
Buzzer type	*Passive Buzzer: 08 C6 04 08 00 F2 D8 00 FD 5C Active Buzzer: 08 C6 04 08 00 F2 D8 01 FD 5B
Reading Success Beep	ON：07 C6 04 08 00 38 01 FE EE OFF：07 C6 04 08 00 38 00 FE EF
Terminal character setting	Disable:08 C6 04 08 00 F2 05 00 FE 2F CR LF:08 C6 04 08 00 F2 05 01 FE 2E CR:08 C6 04 08 00 F2 05 02 FE 2D TAB: 08 C6 04 08 00 F2 05 03 FE 2C CR CR：08 C6 04 08 00 F2 05 04 FE 2B CR LF CR LF：08 C6 04 08 00 F2 05 05 FE 2A
Reading Success Indicator	Disable: 08 C6 04 08 00 F2 0B 00 FE 29 Enable: 08 C6 04 08 00 F2 0B 01 FE 28
Reading Indicator	OFF: 08 C6 04 08 00 F2 CB 00 FD 69 ON: 08 C6 04 08 00 F2 CB 01 FD 68
Silent Mode	Disable: 08 C6 04 08 00 F2 0C 00 FE 28 Enable: 08 C6 04 08 00 F2 0C 01 FE 27
Power On Beep	Disable: 08 C6 04 08 00 F2 0D 00 FE 27 Enable: 08 C6 04 08 00 F2 0D 01 FE 26
Setting code beep	Disable: 08 C6 04 08 00 F2 0E 00 FE 26 Enable: 08 C6 04 08 00 F2 0E 01 FE 25
Send “ NR” message	ON：07 C6 04 08 00 5E 01 FE C8 OFF：07 C6 04 08 00 5E 00 FE C9
Allow to read setting code	ON：07 C6 04 08 00 EC 01 FE 3A OFF：07 C6 04 08 00 EC 00 FE 3B

Send setting code data	ON：08 C6 04 08 00 F1 71 01 FD C3 OFF：08 C6 04 08 00 F1 71 00 FD C4
Prefix/Suffix Value Prefix Suffix1 Suffix2	Prefix character setting 31 Suffix character setting 32　33 ： 0B C6 04 08 00 69 31 68 32 6A 33 FD 52 Prefix:0x00 Suffix 0x0D 0x0A realize LF： 0B C6 04 08 00 69 00 68 0D 6A 0A FD D1
Data sending format	Code：07 C6 04 08 00 EB 00 FE 3C Code+Suffix1：07 C6 04 08 00 EB 01 FE 3B Code+suffix2：07 C6 04 08 00 EB 02 FE 3A code+suffix1+suffix2：07 C6 04 08 00 EB 03 FE 39 prefix+code：07 C6 04 08 00 EB 04 FE 38 prefix+code+suffix1：07 C6 04 08 00 EB 05 FE 37 prefix+code+suffix2：07 C6 04 08 00 EB 06 FE 36 prefix+code+suffix1+suffix2：07 C6 04 08 00 EB 07 FE 35
Bps	1200：07 C6 04 08 00 9C 03 FE 88 2400：07 C6 04 08 00 9C 04 FE 87 4800：07 C6 04 08 00 9C 05 FE 86 9600：07 C6 04 08 00 9C 06 FE 85 19200：07 C6 04 08 00 9C 07 FE 84 38400：07 C6 04 08 00 9C 08 FE 83 57600：07 C6 04 08 00 9C 09 FE 82 115200：07 C6 04 08 00 9C 0A FE 81
Odd/Even	Odd：　07 C6 04 08 00 9E 00 FE 89 Even：　07 C6 04 08 00 9E 01 FE 88 Mark：　07 C6 04 08 00 9E 02 FE 87 Space：07 C6 04 08 00 9E 03 FE 86 No：　07 C6 04 08 00 9E 04 FE 85
Stop bit	1 bit: 07 C6 04 08 00 9D 01 FE 89

	2 bit: 07 C6 04 08 00 9D 02 FE 88
Characters delay	1s: 07 C6 04 08 00 6E 01 FE B8
Host characters overtime	500ms:07 C6 04 08 00 EF 32 FE 06 200ms:07 C6 04 08 00 EF 14 FE 24 50ms: 07 C6 04 08 00 EF 05 FE 33
Interface	COM:08 C6 04 08 00 F2 01 00 FE 33 USB KBW:08 C6 04 08 00 F2 01 01 FE 32 USB COM: 08 C6 04 08 00 F2 01 02 FE 31 HID POS:08 C6 04 08 00 F2 01 0E FE 25
PS2 Mode	AUTO: 08 C6 04 08 00 F2 A6 00 FD 8E PS2: 08 C6 04 08 00 F2 A6 01 FD 8D
Lighting	On when reading:08 C6 04 08 00 F2 02 00 FE 32 On:08 C6 04 08 00 F2 02 01 FE 31 Off: 08 C6 04 08 00 F2 02 02 FE 30
Aiming light	On when reading:08 C6 04 08 00 F2 03 00 FE 31 ON:08 C6 04 08 00 F2 03 01 FE 30 OFF: 08 C6 04 08 00 F2 03 02 FE 2F
Aiming light Flash	*Flash: 08 C6 04 08 00 F2 B8 00 FD 7C Non Flash: 08 C6 04 08 00 F2 B8 01 FD 7B
Sensitivity level	Extra high:08 C6 04 08 00 F2 04 00 FE 30 High:08 C6 04 08 00 F2 04 01 FE 2F Medium:08 C6 04 08 00 F2 04 02 FE 2E Low:08 C6 04 08 00 F2 04 03 FE 2D
Self-define sensitivity	00:08 C6 04 08 00 F3 01 00 FE 32 01:08 C6 04 08 00 F3 01 01 FE 31 05:08 C6 04 08 00 F3 01 05 FE 2D 10:08 C6 04 08 00 F3 01 0A FE 28 15:08 C6 04 08 00 F3 01 0F FE 23
Stable Auto-induction time	500ms:08 C6 04 08 00 F3 02 05 FE 2C 1000ms:08 C6 04 08 00 F3 02 0A FE 27 300ms: 08 C6 04 08 00 F3 02 03 FE 2E

Reading 1D inverse	Disable：08 C6 04 08 00 F2 91 00 FD A3 Enable：08 C6 04 08 00 F2 91 01 FD A2
Output character types	Original: 08 C6 04 08 00 F2 06 00 FE 2E GBK:08 C6 04 08 00 F2 06 01 FE 2D UNICODE:08 C6 04 08 00 F2 06 02 FE 2C
Country keyboard	America: 08 C6 04 08 00 F6 01 01 FE 2E Belgium: 08 C6 04 08 00 F6 01 02 FE 2D Brazil（ ABNT2）：08 C6 04 08 00 F6 01 03 FE 2C Denmark: 08 C6 04 08 00 F6 01 06 FE 29 Finland: 08 C6 04 08 00 F6 01 07 FE 28 France: 08 C6 04 08 00 F6 01 08 FE 27 Germany: 08 C6 04 08 00 F6 01 09 FE 26 Greece：08 C6 04 08 00 F6 01 0A FE 25 Hungary：08 C6 04 08 00 F6 01 0B FE 24 Italy: 08 C6 04 08 00 F6 01 0D FE 22 Netherlands：08 C6 04 08 00 F6 01 0F FE 20 Norway: 08 C6 04 08 00 F6 01 10 FE 1F Poland：08 C6 04 08 00 F6 01 11 FE 1E Portugal: 08 C6 04 08 00 F6 01 12 FE 1D Romania（ ST）：08 C6 04 08 00 F6 01 13 FE 1C Russia: 08 C6 04 08 00 F6 01 14 FE 1B Slovakia: 08 C6 04 08 00 F6 01 15 FE 1A Spain: 08 C6 04 08 00 F6 01 16 FE 19 Sweden: 08 C6 04 08 00 F6 01 17 FE 18 Turkey_F: 08 C6 04 08 00 F6 01 19 FE 16 Turkey_Q: 08 C6 04 08 00 F6 01 1A FE 15 UK: 08 C6 04 08 00 F6 01 1B FE 14 Japan: 08 C6 04 08 00 F6 01 1C FE 13 Czech: 08 C6 04 08 00 F6 01 1D FE 12 Thailand Kedmanee：08 C6 04 08 00 F6 01 1E FE 11

	Ukraine：08 C6 04 08 00 F6 01 1F FE 10 Arabic_101：08 C6 04 08 00 F6 01 20 FE 0F S.Korea：08 C6 04 08 00 F6 01 22 FE 0D
Character output interval	0ms: 08 C6 04 08 00 F3 04 00 FE 2F 5ms: 08 C6 04 08 00 F3 04 01 FE 2E 10ms: 08 C6 04 08 00 F3 04 02 FE 2D
Output Interval Quick setting	0ms: 08 C6 04 08 00 F2 B2 00 FD 82 10ms: 08 C6 04 08 00 F2 B2 01 FD 81 50ms: 08 C6 04 08 00 F2 B2 02 FD 80
Caps lock	Normal: 08 C6 04 08 00 F2 A1 00 FD 93 All Upper case: 08 C6 04 08 00 F2 A1 01 FD 92 All Lower case: 08 C6 04 08 00 F2 A1 02 FD 91 Exchange: 08 C6 04 08 00 F2 A1 03 FD 90
Keyboard type	Standard：08 C6 04 08 00 F2 B4 00 FD 80 Virtual：08 C6 04 08 00 F2 B4 01 FD 7F
STX And ETX	Disable：08 C6 04 08 00 F2 B7 00 FD 7D STX(prefix)：08 C6 04 08 00 F2 B7 01 FD 7C ETX(suffix1)：08 C6 04 08 00 F2 B7 02 FD 7B STX(prefix)+ETX(suffix1)：08 C6 04 08 00 F2 B7 03 FD 7A
ASCII control character output	Function key:08 C6 04 08 00 F2 AD 00 FD 87 Ctrl Combination key:08 C6 04 08 00 F2 AD 01 FD 86 ALT output control character:08 C6 04 08 00 F2 AD 02 FD 85 Output Enter、Down Arrow:08 C6 04 08 00 F2 AD 03 FD 84
1D bar code	Disable：08 C6 04 08 00 F2 11 00 FE 23

	Enable：08 C6 04 08 00 F2 11 01 FE 22
2D	Disable： 08 C6 04 08 00 F2 50 00 FD E4 Enable： 08 C6 04 08 00 F2 50 01 FD E3
All 1D/2D	Disable： 08 C6 04 08 00 F2 90 00 FD A4 Enable： 08 C6 04 08 00 F2 90 01 FD A3
Hide front data	Disable： 08 C6 04 08 00 F2 C6 00 FD 6E Enable： 08 C6 04 08 00 F2 C6 01 FD 6D
Hide middle data	Disable： 08 C6 04 08 00 F2 C7 00 FD 6D Enable： 08 C6 04 08 00 F2 C7 01 FD 6C
Hide rear data	Disable： 08 C6 04 08 00 F2 C8 00 FD 6C Enable： 08 C6 04 08 00 F2 C8 01 FD 6B
Enable/Disable insert self-defined data	Disable： 08 C6 04 08 00 F2 DE 00 FD 56 Enable： 08 C6 04 08 00 F2 DE 01 FD 55
Same code reading interval	1500ms:08 C6 04 08 00 F3 03 0F FE 21 500ms:08 C6 04 08 00 F3 03 05 FE 2B 300ms: 08 C6 04 08 00 F3 03 03 FE 2D
Same code reading time delay setting	No delay：08 C6 04 08 00 F2 C9 00 FD 6B Delay 1s：08 C6 04 08 00 F2 C9 01 FD

	6A Delay 3s：08 C6 04 08 00 F2 C9 03 FD 68 Delay 5s：08 C6 04 08 00 F2 C9 05 FD 66 Delay 7s：08 C6 04 08 00 F2 C9 07 FD 64 Limitless（Disable reading same code）：08 C6 04 08 00 F2 C9 09 FD 62
Continuous set multiple prefix	Set multiple prefix：08 C6 04 08 00 F3 10 00 FE 23
Continuous set multiple suffix	Set multiple suffix：08 C6 04 08 00 F3 11 00 FE 22
Finish set multiple suffix	Finish set multiple suffix：08 C6 04 08 00 FF F6 00 FD 31
Set multiple suffix and data format	Data+multiple suffix：07 C6 04 08 00 EB 08 FE 34 Multiple prefix+data：07 C6 04 08 00 EB 09 FE 33 Multiple prefix+data+multiple suffix：07 C6 04 08 00 EB 0A FE 32
UPC-A	
UPC-A	Disable：07 C6 04 08 00 01 00 FF 26 Enable：07 C6 04 08 00 01 01 FF 25
Transit UPC-A check bit	Disable：07 C6 04 08 00 28 00 FE FF Enable：07 C6 04 08 00 28 01 FE FE
Additional code	No(00)：07 C6 04 08 00 10 00 FF 17 Enable（01）：07 C6 04 08 00 10 01 FF 16 Auto(02)：07 C6 04 08 00 10 02 FF 15
Leading code	No(00)：07 C6 04 08 00 22 00 FF 05 System character（01）：07 C6 04 08 00 22 01 FF 04

	Country,system character(02)： 07 C6 04 08 00 22 02 FF 03
UPC-A 2digit Additional code	Enable：08 C6 04 08 00 F2 40 01 FD F3 Disable：08 C6 04 08 00 F2 40 00 FD F4
UPC-A 5 digit Additional code	Enable：08 C6 04 08 00 F2 41 01 FD F2 Disable：08 C6 04 08 00 F2 41 00 FD F3
UPC-A compulsory Additional code	Enable：08 C6 04 08 00 F2 42 01 FD F1 Disable：08 C6 04 08 00 F2 42 00 FD F2
UPC-E	
UPC-E	Disable：07 C6 04 08 00 02 00 FF 25 Enable：07 C6 04 08 00 02 01 FF 24
Transit check bit	Disable：07 C6 04 08 00 29 00 FE FE Enable：07 C6 04 08 00 29 01 FE FD
Additional code	No (00)：07 C6 04 08 00 10 00 FF 17 Enable（01）：07 C6 04 08 00 10 01 FF 16 Auto(02)：07 C6 04 08 00 10 02 FF 15
Leading code	No(00)：07 C6 04 08 00 23 00 FF 04 System character（01）：07 C6 04 08 00 23 01 FF 03 Country、system character(02)：07 C6 04 08 00 23 02 FF 02
UPC-E To UPC-A	Disable：07 C6 04 08 00 25 00 FF 02 Enable：07 C6 04 08 00 25 01 FF 01
UPC-E 2 digit Additional code	Enable：08 C6 04 08 00 F2 3D 01 FD F6 Disable：08 C6 04 08 00 F2 3D 00 FD

	F7
UPC-E 5 digit Additional code	Enable：08 C6 04 08 00 F2 3E 01 FD F5 Disable：08 C6 04 08 00 F2 3E 00 FD F6
UPC-E compulsory Additional code	Enable：08 C6 04 08 00 F2 3F 01 FD F4 Disable：08 C6 04 08 00 F2 3F 00 FD F5
UPC-E1	Disable：08 C6 04 08 00 F2 15 00 FE 1F Enable：08 C6 04 08 00 F2 15 01 FE 1E
EAN-8	
EAN-8	Disable：07 C6 04 08 00 04 00 FF 23 Enable：07 C6 04 08 00 04 01 FF 22
Additional code	无(00)：07 C6 04 08 00 10 00 FF 17 Enable（01）：07 C6 04 08 00 10 01 FF 16
EAN-8 2 digit Additional code	Enable：08 C6 04 08 00 F2 37 01 FD FC Disable：08 C6 04 08 00 F2 37 00 FD FD
EAN-8 5 digit Additional code	Enable：08 C6 04 08 00 F2 38 01 FD FB Disable：08 C6 04 08 00 F2 38 00 FD FC
EAN-8 compulsory Additional code	Enable：08 C6 04 08 00 F2 39 01 FD FA Disable：08 C6 04 08 00 F2 39 00 FD FB
EAN-8send check bit	Disable：08 C6 04 08 00 F2 80 00 FD B4

	Enable：08 C6 04 08 00 F2 80 01 FD B3
EAN-13	
EAN-13	Disable：07 C6 04 08 00 03 00 FF 24 Enable：07 C6 04 08 00 03 01 FF 23
EAN-13 2digit Additional code	Enable：08 C6 04 08 00 F2 3A 01 FD F9 Disable：08 C6 04 08 00 F2 3A 00 FD FA
EAN-13 5 digit Additional code	Enable：08 C6 04 08 00 F2 3B 01 FD F8 Disable：08 C6 04 08 00 F2 3B 00 FD F9
EAN-13 Compulsory Additional code	Enable：08 C6 04 08 00 F2 3C 01 FD F7 Disable：08 C6 04 08 00 F2 3C 00 FD F8
EAN-13 send check bit	Disable：08 C6 04 08 00 F2 16 00 FE 1E Enable：08 C6 04 08 00 F2 16 01 FE 1D
Additional code	No (00)：07 C6 04 08 00 10 00 FF 17 Enable（01）：07 C6 04 08 00 10 01 FF 16
Bookland EAN(ISBN)	
ISBN	Disable：07 C6 04 08 00 53 00 FE D4 Enable：07 C6 04 08 00 53 01 FE D3
Format	Output 10 bit:08 C6 04 08 00 F1 40 00 FD F5 Output 13 bit:08 C6 04 08 00 F1 40 01 FD F4
Code 128	
Code 128	Disable：07 C6 04 08 00 08 00 FF 1F

	Enable：07 C6 04 08 00 08 01 FF 1E
Code 128length	One single length： 06：0B C6 04 08 00 F5 04 06 F5 05 00 FD 2A Two single length： 04And06：0B C6 04 08 00 F5 04 06 F5 05 04 FD 26 Specific range length： 04 to 09：0B C6 04 08 00 F5 04 04 F5 05 09 FD 23 any length： 0B C6 04 08 00 F5 04 00 F5 05 00 FD 30
GS1-128	
GS1-128	Disable：07 C6 04 08 00 0E 00 FF 19 Enable：07 C6 04 08 00 0E 01 FF 18
GS1-128 send check bit	Enable：08 C6 04 08 00 F2 36 01 FD FD Disable：08 C6 04 08 00 F2 36 00 FD FE
GS1-128length	One single length： 06：0B C6 04 08 00 F5 06 06 F5 07 00 FD 26 Two single length： 04And06：0B C6 04 08 00 F5 06 06 F5 07 04 FD 22 Specific range length： 04 to 09：0B C6 04 08 00 F5 06 04 F5 07 09 FD 1F any length ： 0B C6 04 08 00 F5 06 00 F5 07 00 FD 2C
ISBT 128	
ISBT 128	Disable：07 C6 04 08 00 54 00 FE D3 Enable：07 C6 04 08 00 54 01 FE D2

Code 39	
Code 39	Disable：07 C6 04 08 00 00 00 FF 27 Enable：07 C6 04 08 00 00 01 FF 26
Code 39 length	One single length： Length 06： 09 C6 04 08 00 12 06 13 00 FE FA Length 16: 09 C6 04 08 00 12 10 13 00 FE F0 Length 14: 09 C6 04 08 00 12 0E 13 00 FE F2 Two single length： 02And04： 09 C6 04 08 00 12 04 13 02 FE FA 16And14： 09 C6 04 08 00 12 10 13 0E FE E2 Specific range length: 02 to 09： 09 C-6 04 08 00 12 02 13 09 FE F5 0x02 to 0x37(55) default： 09 C6 04 08 00 12 02 13 37 FE C7 14 to 15: 09 C6 04 08 00 12 0E 13 0F FE E3 15 to 16: 09 C6 04 08 00 12 0F 13 10 FE E1 any length：09 C6 04 08 00 12 00 13 00 FE F0
Code 39check bit verification	Disable：07 C6 04 08 00 30 00 FE F7 Enable：07 C6 04 08 00 30 01 FE F6
Send Code 39 chec bit	Disable：07 C6 04 08 00 2B 00 FE FC Enable：07 C6 04 08 00 2B 01 FE FB
Code 39 Full ASCII	07 C6 04 08 00 11 01 FF 15
Code 39 send start and end character	Disable：08 C6 04 08 00 F2 30 00 FE 04 Enable：08 C6 04 08 00 F2 30 01 FE 03
Transfer Code 39 to Code 32	Disable：07 C6 04 08 00 56 00 FE D1

（ Italian pharmacy code）	Enable：07 C6 04 08 00 56 01 FE D0
Code 32 prefix	Disable：07 C6 04 08 00 E7 00 FE 40 Enable：07 C6 04 08 00 E7 01 FE 3F
Code93	
Code 93	Disable：07 C6 04 08 00 09 00 FF 1E Enable：07 C6 04 08 00 09 01 FF 1D
Code 93length	One single length： 04：09 C6 04 08 00 1A 041B 00 FE EC Two single length： 04And06：09 C6 04 08 00 1A 06 1B 04 FE E6 Specific range length: 04 to 09：09 C6 04 08 00 1A 04 1B 09 FE E3 any length ： 09 C6 04 08 00 1A 00 1B 00 FE F0
Code11	
Code 11	Disable：07 C6 04 08 00 0A 00 FF 1D Enable：07 C6 04 08 00 0A 01 FF 1C
Code 11 length	One single length： 06：09 C6 04 08 00 1C 06 1D 00 FE E6 Two single length： 04And06：09 C6 04 08 00 1C 06 1D 04 FE E2 Specific range length: 04 to 09：09 C6 04 08 00 1C 04 1D 09 FE DF any length ： 09 C6 04 08 00 1C 00 1D 00 FE EC
Code 11 check bit verification	No：07 C6 04 08 00 34 00 FE F3 1 bit：07 C6 04 08 00 34 01 FE F2 2 bit：07 C6 04 08 00 34 02 FE F1
Send Code 11 check bit	Disable：07 C6 04 08 00 2F 00 FE F8

	Enable：07 C6 04 08 00 2F 01 FE F7
Interleaved 2 of 5	
Interleaved 2 of 5/ITF	Disable：07 C6 04 08 00 06 00 FF 21 Enable：07 C6 04 08 00 06 01 FF 20
Interleaved 2 of 5 length	One single length： 06：09 C6 04 08 00 16 06 17 00 FE F2 Two single length： 04And06：09 C6 04 08 00 16 06 17 04 FE EE Specific range length: 04 到 09：09 C6 04 08 00 16 04 17 09 FE EB any length ：09 C6 04 08 00 16 00 17 00 FE F8
Interleaved 2 of 5 check bit verification	Disable：07 C6 04 08 00 31 00 FE F6 Enable：07 C6 04 08 00 31 01 FE F5
Send Interleaved 2 of 5 check bit	Disable：07 C6 04 08 00 2C 00 FE FB Enable：07 C6 04 08 00 2C 01 FE FA
Industrial 2 of 5	
Industrial 2 of 5	Disable：07 C6 04 08 00 05 00 FF 22 Enable：07 C6 04 08 00 05 01 FF 21
Industrial 2 of 5 length	One single length： 06：09 C6 04 08 00 14 06 15 00 FE F6 Two single length： 04And06：09 C6 04 08 00 14 06 15 04 FE F2 Specific range length： 04 to 09：09 C6 04 08 00 14 04 15 09 FE EF any length ：09 C6 04 08 00 14 00 15 00 FE FC
Matrix 25	
Matrix 25	Disable：08 C6 04 08 00 F2 20 00 FE 14

	Enable：08 C6 04 08 00 F2 20 01 FE 13
Matrix 25 check bit verification	Disable：08 C6 04 08 00 F2 21 00 FE 13 Enable：08 C6 04 08 00 F2 21 01 FE 12
Transit Matrix 25 check bit	Disable：08 C6 04 08 00 F2 22 00 FE 12 Enable：08 C6 04 08 00 F2 22 01 FE 11
Matrix 25 length	One single length： 06：0B C6 04 08 00 F5 00 06 F5 01 00 FD 32 Two single length： 04 and 06：0B C6 04 08 00 F5 00 06 F5 01 04 FD 2E Specific length range: 04 to 09：0B C6 04 08 00 F5 00 04 F5 01 09 FD 2B Any length ： 0B C6 04 08 00 F5 00 00 F5 01 00 FD 38
Standard 25	
Standard 25/IATA 25	Disable：08 C6 04 08 00 F2 23 00 FE 11 Enable：08 C6 04 08 00 F2 23 01 FE 10
Standard 25 length	One single length： 06：09 C6 04 08 00 F5 02 06 F5 03 00 FD 2E Two single length： 04 and 06：09 C6 04 08 00 F5 02 06 F5 03 04 FD 2A Specific length range: 04 to 09：09 C6 04 08 00 F5 02 04 F5 03 09 FD 27 Any length ：09 C6 04 08 00 F5 02 00 F5 03 00 FD 34
Codabar	
Codabar	Disable：07 C6 04 08 00 07 00 FF 20

	Enable：07 C6 04 08 00 07 01 FF 1F
Codabar length	One single length： 04：09 C6 04 08 00 18 04 19 00 FE F0 Two single length： 09 C6 04 08 00 18 05 19 04 FE EB Specific length range: 04 to 09：09 C6 04 08 00 18 04 19 09 FE E7 Any length ：09 C6 04 08 00 18 00 19 00 FE F4
Codabar check bit	Enable：08 C6 04 08 00 F2 4C 01 FD E7 Disable：08 C6 04 08 00 F2 4C 00 FD E8
Codabar send check bit	Enable：08 C6 04 08 00 F2 4D 01 FD E6 Disable：08 C6 04 08 00 F2 4D 00 FD E7
NOTIS transmission format	Disable：07 C6 04 08 00 37 00 FE F0 Enable：07 C6 04 08 00 37 01 FE EF
Start character and end character	ABCD/ABCD：08 C6 04 08 00 F2 31 00 FE 03 ABCD/TN*E：08 C6 04 08 00 F2 31 01 FE 02
Upper case or lower case of Start character and end character	Upper case：08 C6 04 08 00 F2 32 00 FE 02 Lower case：08 C6 04 08 00 F2 32 01 FE 01
MSI /MSI PLESSEY	
MSI /MSI PLESSEY	Disable：07 C6 04 08 00 0B 00 FF 1C Enable：07 C6 04 08 00 0B 01 FF 1B
MSI length	One single length： 04：09 C6 04 08 00 1E 04 1F 00 FE E4 Two single length： 04 and 05：09 C6 04 08 00 1E 05 1F 04 FE DF Specific length range: 02 to 09：09 C6 04 08 00 1E 02 1F 09 FE DD

	Any length ： 09 C6 04 08 00 1E 00 1F 00 FE E8
MSI check bit	1 bit : 07 C6 04 08 00 32 00 FE F5 2 bit:07 C6 04 08 00 32 01 FE F4
Send MSI check bit	Disable：07 C6 04 08 00 2E 00 FE F9 Enable：07 C6 04 08 00 2E 01 FE F8
GS1 DataBar(RSS)	
GS1 DataBar (RSS)	Disable：08 C6 04 08 00 F0 52 00 FD E4 Enable：08 C6 04 08 00 F0 52 01 FD E3
PDF417	
PDF417	Enable：07 C6 04 08 00 0F 01 FF 17 Disable：07 C6 04 08 00 0F 00 FF 18
QR Code	
QR Code	Enable：08 C6 04 08 00 F0 25 01 FE 10 Disable：08 C6 04 08 00 F0 25 00 FE 11
QR Normal/Reverse Reading	Only Normal:：08 C6 04 08 00 F2 67 00 FD CD Only Reverse： 08 C6 04 08 00 F2 67 01 FD CC Both：08 C6 04 08 00 F2 67 02 FD CB
Micro QR Code	Enable：08 C6 04 08 00 F1 3D 01 FD F7 Disable：08 C6 04 08 00 F1 3D 00 FD F8
Data Matrix	
Data Matrix	Enable：08 C6 04 08 00 F0 24 01 FE 11 Disable：08 C6 04 08 00 F0 24 00 FE 12
Normal/Reverse Reading	Only Normal: 08 C6 04 08 00 F2 6B 00 FD C9 Only Reverse: 08 C6 04 08 00 F2 6B 01 FD C8 Both: 08 C6 04 08 00 F2 6B 02 FD C7
MaxiCode	
MaxiCode	Disable：08 C6 04 08 00 F0 26 00 FE 10 Enable：08 C6 04 08 00 F0 26 01 FE 0F
Aztec	
Aztec	Disable：08 C6 04 08 00 F0 28 00 FE 0E

	Enable：08 C6 04 08 00 F0 28 01 FE 0D
Han Xin Code	
Han Xin Code	Disable：08 C6 04 08 00 F0 2F 00 FE 07 Enable：08 C6 04 08 00 F0 2F 01 FE 06
GS1 COMPOSITE CODE	
GS1 COMPOSITE CODE	Disable：08 C6 04 08 00 F2 17 00 FE 1D Enable：08 C6 04 08 00 F2 17 01 FE 1C

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