

Barcode Scanner

Manual Guide

Table of Contents

Restore Defaults	1
Matching Operation(2.4G/433M Mode)	1
Matching Operation(Bluetooth Mode)	1
Bluetooth Mode Setup	2
IOS Keyboard	2
Bluetooth connection settings	2
Working Mode	2
Instant upload Mode	2
Storage Mode	2
Transmission speed	3
Trigger Mode	4
Power and Standby	4
Buzzer Setup	4
End Character	5
Capital & Lowercase	5
Duplicate barcode upload Setup	5
Barcode Parameter Settings	6
Data editing	11
Example: Insert character	12
Example: Delete character	13
Appendix 1: CODE ID	14
Appendix 2: ASCII Barcode Table	15
Appendix 3: Language	20

If the scanner does not work or buzzer rang “Di-Di-Di-Di”, please stop using the scanner and charging it immediately.

Restore Defaults

2.4G/433M scanner default setting 2.4G/433M mode,use via USB receiver.

Bluetooth scanner default setting bluetooth mode,use via bluetooth pairing.

If the scanner does not work properly, Please scan the code“ Restore Defaults”



Restore Defaults

Matching Operation(2.4G/433M Mode)

The scanner with the USB receiver has been paired by default, plug the USB receiver in, and then scan the code “2.4G/433M mode” to use it.

If need to re-pair, please unplug the USB receiver and plug it again , scan sequentially the code "2.4G/433M mode " and " Match" in 20 seconds.



2.4G/433M Mode



Match

Matching Operation(Bluetooth Mode)

Only to Bluetooth-enabled products

1. Press the button, the buzzer rang ,the scanner starts.
2. Scan the “Bluetooth Mode” barcode.
3. Enable bluetooth function on your device till find out“Scanner xxx”, and click it to begin bluetooth pairing. Wait a few seconds, the buzzer rang “ Di--Di”, which means bluetooth pairing is successful.
4. Open a text, put the cursor in, Scan any barcode to see if the barcode can be uploaded.



Bluetooth Mode

Bluetooth Mode Setup



Bluetooth-HID



Bluetooth-SPP



Bluetooth-BLE

IOS Keyboard



Show/hide IOS keyboard

Note: Scan this barcode to show/hide the keyboard in IOS



Show/hide IOS keyboard
double-click -ON*



Show/hide IOS keyboard
double-click -OFF

Bluetooth connection settings



Off connection



Connection initialization

Working Mode

Instant upload Mode

Instant upload data to your computer.



Instant upload Mode

(1) Upload successful: The status light flashed and the buzzer rang “Di ”.

(2) Upload failed: The red light flashed and the buzzer rang “Di---en”.

If you receive upload-failed, Please confirm the match is successful.

If you receive upload-successful but no data, Please confirm the dongle in USB-HID mode.

Storage Mode

Scan and store barcode inside the scanner, and uploaded the data to your computer when you need it.



Storage Mode

Note: Instant upload mode and storage mode, the sound of reading barcode is different.



Show total storage
(Show total number of memory)



Upload Data
(Upload Data to your computer)



Zero clearing
(Clear all data in memory, Please use it with caution)

1. Save successful: The status light flashed and the buzzer rang "Di-en".
2. Save failed: The red light flashed and the buzzer range "Di---en", This indicates that there was not enough memory to save the bar code. Please upload the saved bar code by scanning "Upload Date" and then clear the Memory by scanning "Zero cleaning".
3. Upload completed: the buzzer rang "Di-do-en".

Transmission speed

Set the delay between each character, the range of 00-99 can be set. the larger the value, the slower.



No delay



HID-speed 5



HID-speed 10



HID-speed 15



HID-speed 20



HID-speed 30



HID-speed 40



HID-speed 50



HID-speed 60

1. In 2.4G or 433M mode, this parameter is stored in the dongle and defaults is "No delay". When there is no matching dongle, scanning this setting code is invalid.
2. In Bluetooth mode, this parameter is stored in the scanner, the default is "HID-speed 30".
3. In Bluetooth mode, If the data is lost, please set a slower HID speed.

Trigger Mode

Keys Trigger *	Continuous Mode
Continuous Mode can be used for a long shutdown time or never shut down.	
Auto-sense-OFF	Auto-sense-ON(optional)

Power and Standby



Battery Reserve (show battery level)

Shutdown time setting	
90s	2min*
5min	30min
60min	166min40s
Not shutdown	Shutdown

Buzzer Setup

Turn on all sounds*	Turn off all sounds
Low volume	High volume *

End Character

End character is used to mark the end of a barcode data.	
 CR *	 LF
 Tab	 CR+LF
 None	

Capital & Lowercase

 Swap capital/lowercase	 All lowercase
 All capital	 Don't convert *

Duplicate barcode upload Setup

For a period of time, the same barcode is not allowed to be read continuously to avoid repeated upload.

 Duplicate detection-OFF* (upload duplicate barcode)	 Duplicate detection-ON (Unable to upload duplicate barcode)
--	--

Barcode Parameter Settings

UPCA

 UPCA-ON*	 UPCA-OFF
Check Digit: UPCA data is 12 bits, the 12th bit is the check digit, Default output.	
 Output UPCA check digit-ON*	 Output UPCA check digit-OFF
System character: The first digit of UPCA, Default output.	
 Output UPCA system character-ON*	 Output UPCA system character-OFF
UPCA to EAN13 UPCA to EAN13 by adding a "0" in front of it, and the type is converted to EAN13.	
 UPCA to EAN13-ON	 UPCA to EAN13-OFF*

UPCE

 UPCE-ON*	 UPCE-OFF
Check Digit: UPCE data is 8 bits, the eighth bit is the check digit, Default output.	
 Output UPCE check digit-ON*	 Output UPCE check digit-OFF
System character: The first digit of UPCE, Default output.	
 Output UPCE system character-ON*	 Output UPCE system character-OFF
UPCE to UPCA UPCE can be extended to UPCA, and the type is converted to EAN13.	
 UPCE to UPCA-ON	 UPCE to UPCA-OFF*

EAN13

	
EAN13-ON*	
EAN13-OFF	
Check Digit: EAN13 data is 13 bits, the 13th bit is the check digit, Default output.	
	
Output EAN13 check digit-ON*	
Output EAN13 check digit-OFF	
	
Output EAN13 country code-ON*	
Output EAN13 country code-OFF*	
EAN13 to ISSN/ISBN	
The 977 header is used for ISSN and 978 for ISBN.	
	
EAN13 to ISSN-ON	
EAN13 to ISSN-OFF*	
Set ON, the "977" before the barcode is deleted, and the type is converted to ISSN.	
	
EAN13 to ISBN-ON	
EAN13 to ISBN-OFF*	
Set ON, the "978" before the barcode is deleted, and the type is converted to ISBN.	

EAN8

	
EAN8-ON*	
EAN8-OFF	
Check Digit: EAN8 data is 8 bits, the eighth bit is the check digit, Default output.	
	
Output EAN8 check digit-ON*	
Output EAN8 check digit-OFF	
	
Output EAN8 country code-ON*	
Output EAN8 country code-OFF	

UPC&EAN Extra code

		
UPC/EAN extra-code-OFF*	UPC/EAN 2 Extra-code	UPC/EAN 5 Extra-code
		
UPC/EAN 2/5 Extra-code		
		UPC/EAN Must have 2/5 Extra-code

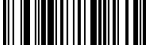
Code39

	
Code39-ON*	Code39-OFF
	
Full-ASCII-OFF*	Full-ASCII-ON
Code39 data can include all ASCII characters, Set ON to read full ASCII characters.	
	
Output Code39 Start/Stop character-OFF*	Output Code39 Start/Stop character-ON
Character * as the Start/Stop character of code 39.	

Code32

Code32 is extended by Code39, When Code32 is enabled, Code39 that complies with Code32 rules will also be output as Code32 first.	
	
Code32-OFF*	Code32-ON
	
Output Code32 check digit-OFF	Output Code32 check digit-ON*
	
Output Code32 Prefix A -OFF	Output Code32 Prefix A -On*

Code128

	
Code128-ON*	Code128-OFF

Code93

	
Code93-ON*	Code93-OFF

Code11

	
Code11 check digit Code11 barcode data contains check digit, which can be the last 1 (C check) or 2 (CK check) characters of the data.	
	
	
C check: One character check, CK check: Two characters check. No check: Code11 Without check, all check digit will be output. C/CK check: Code11 Automatic C / CK check, all check digits are not output. C check: Code11 perform C check, Do not output 1 check digit, At the same time, the scanner reads only the Code11 by C check. CK check: Code11 perform CK check, Do not output 2 check digits, At the same time, the scanner reads only the Code11 by CK check.	

Codabar

	
CODABAR Start/Stop character Codabar Start/Stop characters are not output by default, When editing the Codabar, you can select the A,B,C,D characters as the Start/Stop characters.	
	
	
allow 1: Start/stop characters are converted from uppercase to lowercase. allow 2: Start characters are converted from uppercase to lowercase, Stop characters changes as follows: A to t, B to n, C to *, D to e.	

Industrial 2 of 5

 Industrial 2 of 5 -ON*	 Industrial 2 of 5 -OFF
---	---

Interleaved 2 of 5

 Interleaved 2 of 5 -ON*	 Interleaved 2 of 5 -OFF
--	--

MSI

 MSI -ON	 MSI -OFF*
--	--

Pharmacode

 Pharmacode -ON	 Pharmacode -OFF*
---	---

GS1

Contains:GS1 Data Bar , GS1 Data Bar Limited, GS1 Data Bar Expanded.	
 GS1-ON	 GS1-OFF*
GS1 Data Bar check digit GS1 Data Bar : The last bit is check digit.	
 Output GS1 Data Bar check digit -OFF*	 Output GS1 Data Bar check digit -ON
GS1 Data Bar Limited check digit GS1 Data Bar Limited : The last bit is check digit.	
 Output GS1 Limited check digit -OFF*	 Output GS1 Limited check digit -ON

Data editing

Only some product support specified code setting function

 Insert Characters	 Delete characters	
Barcode types(Barcode data: 068000-068018)		
 All barcode types	 UPCE	 UPCA
 EAN8	 EAN13	 ISBN/ISSN
 Code39	 Code128	 Code93
 Codabar	 Interleaved 2 of 5	 industrial 2 of 5
 MSI	 Code11	 China post
 GS1D	 GS1L	 GS1E
 Code32	Do not scan = All barcode types.	
Set save location (Barcode data: 068100-068107) (Different group Settings can take effect at the same time)		
 Group 1	 Group 2	 Group 3
 Group 4	 Group 5	 Group 6
 Group 7	 Group 8	Do not scan = Group 1
Edit location		
 Before barcode	From which place to start? Setup by barcode in "ASCII Barcode Table".	 After barcode
Save to take effect		
 Save Settings	 Clear settings	

Example: Insert character

In the process of setting, scan the irrelevant barcode, the scanner will exit setting status.

Please scan in order 1,2,3, ...

Example: Code128=123456789



	Insert Ab before	Insert Cd from the third	Insert Ef after
1	 Insert Characters		
2	 All barcode types (Omit this step, default all barcode types)		
3	 Group 1 (Omit this step, default Group 1)		
4	 Before barcode	 003 ETX	 After barcode
5	 065 A	 067 C	 069 E
6	 098 b	 100 d	 102 f
	Each group can insert within 10 characters		
7	 Save Settings		
Setup result			
Ab123456789		123Cd456789	123456789Ef
Clear insert character setting, Please scan in order 1,2.		 1, Insert Characters	 2, Clear settings

1, set different bar code type, make this setting to this kind of barcode is effective.

2, set different group, make different Settings take effect at the same time

Example: Delete character

In the process of setting, scan the irrelevant barcode, the scanner will exit setting status.

Please scan in order 1,2,3, ...

Example: Code128=123456789



	Delete 1 bit before	Delete 3 bit from the third	Delete 3 bit after
1	 Delete characters		
2	 All barcode types (Omit this step, default all barcode types)		
3	 Group 1 (Omit this step, default Group 1)		
4	 Before barcode	 003 ETX	 After barcode
5	 001 SOH	 002 STX	 003 ETX
6	 Save Settings		
Setup result			
23456789		1236789	123456
Clear delete character setting, Please scan in order 1,2.		 1, Delete characters	 2, Clear settings

1, set different bar code type, make this setting to this kind of bar code is effective.

2, set different group, make different Settings take effect at the same time.

Appendix 1: CODE ID

 Send ID-OFF *		 Send ID-ON	
Barcode type	Barcode ID	ON/OFF default	Minimum digits
UPCA	b	ON	No
UPCE	c	ON	No
EAN13	e	ON	No
EAN8	d	ON	No
ISBN,ISSN	f	OFF	No
Code39	a	ON	1
Code32	C	OFF	No
Code128	g	ON	2
Code11	M	OFF	4
Code93	h	ON	1
Codabar	k	ON	4
交叉25码	i	ON	4
工业25码	j	ON	4
Pharmacode	P	OFF	2
MSI	I	OFF	4
GS1D	D	OFF	No
GS1L	L	OFF	No
GS1E	E	OFF	No

Appendix 2: ASCII Barcode Table

 000 NUL/SP	 001 SOH	 002 STX
 003 ETX	 004 EOT	 005 ENQ
 006 ACK	 007 BEL	 008 Back Space
 009 HT/TAB	 010 LF	 011 VT
 012 FF	 013 CR/ENTER	 014 SO
 015 SI	 016 DLE	 017 DC1
 018 DC2	 019 DC3	 020 DC4
 021 NAK	 022 SYN	 023 ETB
 024 CAN	 025 EM	 026 SUB
 027 ESC	 028 FS	 029 GS
 030 RS	 031 US	 032 SP
 033 !	 034 "	 035 #
 036 \$	 037 %	 038 &

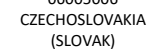
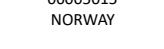
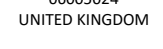
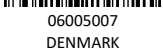
 039 '	 040 (	 041)
 042 *	 043 +	 044 ,
 045 -	 046 .	 047 /
 048 0	 049 1	 050 2
 051 3	 052 4	 053 5
 054 6	 055 7	 056 8
 057 9	 058 :	 059 ;
 060 <	 061 =	 062 >
 063 ?	 064 @	 065 A
 066 B	 067 C	 068 D
 069 E	 070 F	 071 G
 072 H	 073 I	 074 J
 075 K	 076 L	 077 M

 078 N	 079 O	 080 P
 081 Q	 082 R	 083 S
 084 T	 085 U	 086 V
 087 W	 088 X	 089 Y
 090 Z	 091 [	 092 \
 093]	 094 ^	 095 _
 096 `	 097 a	 098 b
 099 c	 100 d	 101 e
 102 f	 103 g	 104 h
 105 i	 106 j	 107 k
 108 l	 109 m	 110 n
 111 o	 112 p	 113 q
 114 r	 115 s	 116 t

 117 u	 118 v	 119 w
 120 x	 121 y	 122 z
 123 {	 124	 125 }
 126 ~	 127 DEL	 128 F1
 129 F2	 130 F3	 131 F4
 132 F5	 133 F6	 134 F7
 135 F8	 136 F9	 137 F10
 138 F11	 139 F12	 140 I_Shift on
 141 I_Shift off	 142 r_Shift on	 143 r_Shift off
 144 I_Alt on	 145 I_Alt off	 146 r_Alt on
 147 r_Alt off	 148 I_Ctrl on	 149 I_Ctrl off
 150 r_Ctrl on	 151 r_Ctrl off	 152 /(KP)
 153 *(KP)	 154 -(KP)	 155 +(KP)

 156 _(KP)	 157 Enter(KP)	 158 0(KP)
 159 1(KP)	 160 2(KP)	 161 3(KP)
 162 4(KP)	 163 5(KP)	 164 6(KP)
 165 7(KP)	 166 8(KP)	 167 9(KP)
 168 Inert	 169 Delete	 170 Home
 171 End	 172 Page Up	 173 Page Down
 174 Up	 175 Down	 176 Left
 177 Right	 178 Center	 179 Insert
 180 Delete	 181 Home	 182 End
 183 Page Up	 184 Page Down	 185 Up
 186 Down	 187 Left	 188 Right
 189	 190 Num Lock	 191 caps lock
 192 scroll lock		

Appendix 3: Language

 06005000 UNITED STATES	 06005009 FRANCE	 06005018 SERBIA/YUGOSLAVIA
 06005001 BELGIUM	 06005010 GERMANY	 06005019 SLOVENIA
 06005002 BRAZIL	 06005011 HUNGARY	 06005020 SPAIN
 06005003 CANADIAN-FRENCH	 06005012 ITALY	 06005021 SWEDEN
 06005004 CROATIA	 06005013 LATIN AMERICA	 06005022 SWITZERLAND (FRENCH)
 06005005 CZECHOSLOVAKIA (CZECH)	 06005014 NETHERLANDS	 06005023 SWITZERLAND (GERMAN)
 06005006 CZECHOSLOVAKIA (SLOVAK)	 06005015 NORWAY	 06005024 UNITED KINGDOM
 06005007 DENMARK	 06005016 POLAND	 06005025 UNIVERSAL
 06005008 FINLAND	 06005017 PORTUGAL	