

Official User Manual

English Version

V1.0.210429

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1. Basic Info

This user manual includes symbology settings, function settings (lighting, keyboard type and factory default, etc.) and interface settings. If you need to change the function, scan the configuration according to the code below. All with (*) indicate factory default.

Factory Default

"Factory default" is to restore to the default factory state. After the user has set (user configuration), scan to restore the user configuration, and then restore the configuration saved by the user. If the scan restores the factory settings, it will be restored to the factory state.



FFFFFE
Factory Default



AD8771
Save as user configuration



FFFFF7
Restore user configuration

Version Info

Obtaining the version number is for viewing the firmware version, and to obtain the existing version information, you can view the version number, activation information, manufacturer information, equipment OEM customer customization content, etc.



FFFF68
Version No.



FFFF6A
Version Info



FFFF8B
Equipment Info

Interface Mode Initialization

Recognized as a USB keyboard type, scan the "USB HID" barcode. In the environment where the application software requires a serial port, USB can be recognized as a USB COM type, and the user needs to install a driver. Recognized as HID POS type, support software is required to use. This standard interface is USB-A.



FFBFFE

USB HID (USB Keyboard)



FFBFFD

USB COM (Virtual serial port)



FFFFCD

HID POS

RS232 Setting

The serial communication interface is a common way to connect the reading module and the host device (such as PC, POS and other devices). When the reading module is connected with the host using a serial cable, the system adopts the serial communication mode by default. When using the serial communication interface, the communication parameter configuration between the reading module and the host device must be completely matched to ensure smooth communication and correct content. The serial port configuration is: 9600 baud rate, 8-bit data, no parity bit, 1 stop bit. This standard interface is DB9.



FFBFFF
RS 232(TTL 232)

RS232 Baud Rate



7BEA61
300



7BEA62
1200



7BEA64
4800



7BEA67
19200



7BEA69
57600



7BEA60
600



7BEA63
2400



7BEA65
*9600



7BEA68
38400



7BEA610
115200

Data Bit



Stop Bit



Check Digit Settings



2. Function Mode Setting

This chapter can configure the function mode of the device, including working mode (such as image inversion, etc.), Aimer setting, lighting configuration, Led indicator setting and beeper setting, etc. You just need to scan the corresponding setting code as required. (Note: Manual mode is enabled by default for handheld, and automatic mode is enabled by default for desktop)

Working Mode



7E9AA2

Manual

*PS: Only for Handheld



7E9AA0

Auto-Scan

Sensing Mode



A867C1

Lighting Automatic



A867C0

Lighting Manual

Sensitivity Setting

There are 15 grade of sensitivity in auto scan mode, 1 is the highest and 15 is the lowest. B67A6X, X stands for grade (B67A61-B67A615)



B67A61

Grade 1



B67A64

Grade 4



B67A66

Grade 6



B67A68

Grade 8

Re-read Delay

The interval time of the same barcode in automatic scanning mode means that after reading a barcode, it will refuse to read the same barcode within the set time. It can be read and output only after the time is exceeded. The same barcode time can be set to 1-127 (minimum is 1, maximum is 127) 7EFD6X (X means the same barcode interval, 1 means 50ms, 127 means 127*50ms) . 7EFD6X, X stands for (7EFD61 -7EFD6127)



Barcode ON/OFF

Turning on all barcodes means enabling barcodes by default, turning on all 1D codes means enabling 1D codes enabled by default, and turning on all 2D codes means enabling 2D codes enabled by default. Close all barcodes, close all 1Dcodes, close all 2D codes to close all corresponding items.





FFFEFB
1D Code ON



FFFEFA
1D Code OFF



FFFEF9
2D Code ON



FFFEF8
2D Code OFF

Barcode Mirroring Settings

This setting means that the barcode image can be decoded normally after being mirrored or reflected by a mirror, mainly for QR codes.

All Mirroring



A6D871
Enable



A6D870
*Unable

QR Mirroring



A86761
Enable



A86760
*Unable

Data Matrix Mirroring



A7F7D1
Enable



A7F7D0
*Unable

Barcode Inverse Setting

This setting can be decoded normally after the black area and white area of the barcode are interchanged.



B677A1

Inverse Barcode



B677A0

Normal Barcode



B678A0

Only Decoding Normal Barcode



B678A1

Only Decoding Inverse Barcode



B678A2

Decoding All Barcode

Lighting Setting

Position Light



B66771

***Aimer Enable**



B66770

Aimer Unable

*PS: Only for Handheld Scanner

Filling Light



B66781

***Light Enable**



B66780

Light Unable

Indicator



B66890

***Normal**



B66891

Backwards



B66892

Always OFF



B66893

Always ON

Beeper Setting



B667D0
***Enable**



B667D1
Unable

Beeper Lasting Time



7EA7A0
Normal



7EA7A1
Short

Beeper Frequency Seeting



7EB9B7
2.7KHz



7EB9B6
1.6KHz



7EB9B5
2.0KHz



7EB9B4
2.4KHz



7EB9B3
3.1KHz



7EB9B2
***3.5KHz**



7EB9B1
4.2KHz



7EB9B0
Slient

Decoding Timeout Setting

When making the configuration barcode, need add "^3" character in front of it, such as: ^3B6AE6X (X means the timeout time 20 is 30s), choose code 128, and the last digit is 0 for no timeout (the default is no timeout)



B6AE620
30s



B6AE680
120s



B6AE6200
200s



B6AE640
60s



B6AE6120
180s

3.Output Setting

This chapter can configure the output of the device, including carriage enter/LF, serial port encoding settings, setting barcode length, removing barcode digits (removing the start/end, keeping the start and end), and multi-country keyboard switching settings, etc. You only need to scan as required. The corresponding configuration code can be used.

Enter/LF



7CC791
*Add Enter



7CC790
Remove Enter



7CC781
Add LF



7CC780
*Remove LF

Remove digits of Beginning/Ending

Remove the number of digits from the beginning of barcode "B68E6X" (X is the number of digits will remove, the last number like below code "1" means remove one digit, if it is "2", then remove two digits, if it is "0", means don't need remove, the user can configure it by himself, and can be used at the same time from the end remove barcode)



B68E61

Remove 1 digit from the beginning

Remove the number of digits from the ending of barcode "B68E6X" (X is the number of digits will remove, the last number like below code "1" means remove one digit, if it is "2", then remove two digits, if it is "0", means don't need remove, the user can configure it by himself, and can be used at the same time from the end remove barcode)



B6BE61

Remove 1 digit of ending

Remove digits of beginning&ending of Interleaved 2 of 5



AF7781

Enable



AF7780

Disable

Keep digits of beginning&ending

You can only choose to keep the beginning or ending digit, but not both. Scan "AC8760" from the digit of the reserved barcode at the beginning, scan "AC8761" from the digit of the reserved barcode at the ending, and then scan the reserved digit barcode, "B69E6X" X is the digit of the reserved data. For example, if 9 bits are reserved, the maximum number of B69E69 is 255.



AC8760

Keep beginning digit



AC8761

Keep ending digit



B69E69

Keep 9 digits

Barcode length setting

Code length can be setted to 1-255 (Minimum length is 1, The maximum length is 255) 67EE6X (X represents the length of the barcode)



67EE61

Length is 1



67EE6255

Length is 255



67FE60

Lock the code length

Caps conversion

Letter conversion, when outputting barcodes with letter content, you can configure the output result to be all uppercase or all lowercase. For example: if the barcode content is: ab12DE, if you scan the "all uppercase" barcode, the output result will be: AB12DE; if you scan the "all lowercase" barcode, the output result will be: abc12de; if you scan the "case swap" barcode, the output result will be: : AB12de; no case conversion by default



A68861

All lowercase



A68862
All uppercase



A68863

Case swap



A68860

*No convert

Serial port encoding output format



A6C8A2
Serial output UTF-8



A6C8A1
Serial output notUTF-8



A7C961
Serial output CP932



A7C960
*Serial output Chinese



A6C8A0
Serial port output according to barcode content

Wireless device output Chinese

- 1、 For UTF, please set "Serial output UTF-8", for other encodings, please set "Serial output non-UTF-8", this is the above serial port encoding output configuration.
- 2、 If you want to remove the identifier in front of the barcode, set "Remove the identifier in front of the barcode", otherwise it is not required, and the default is to output as it is.
- 3、 3. For Word transfer, please set it for "WordPad, Word", and for Excell, Notepad, WPS transfer, please set it for "Notepad, Excel, WPS"



Remove the marker of barcode beginning



***Keep marker of barcode beginning**



For "Notepad, Excel, WPS"



For "WordPad, Word"

Keyboard mode encoding format

The keyboard mode can be output in Chinese, if you need to output in Chinese, please scan the corresponding configuration code as required. (The default state is no Chinese, but other national languages can be input)



A67960
*Default



A67962
For "Notepad, Excel, WPS"



A7B7C0
Disable BIG5 (Traditional Chinese)



A67964
UTF-8



A67965
JIS



A67967
Notepad output Korean



A67961
For "WordPad, Word"



A7B7C1
BIG5 (Traditional Chinese)



A67963
GBK



A67966
CP949
Word Output Korean

Language

When the device is used as a keyboard input device by default, some characters are different in different countries, and different national languages need to be set. Defaults is English.



7C8A60
Belgium



7C8A62
France



7C8A64
Italy



7C8A66
***US**



7C8A69
El Salvador



7C8A611
Sierra Leone



7C8A613



7C8A61
UK



7C8A63
German



7C8A65
Spain



7C8A68
Singapore



7C8A610
Japan



7C8A612
Turkey

Russia("windows1251")



7C8A614

Hungary



A69E616

Thailand



A69E624

CP866 Ruaeia Character

Russia/Ukraine



A69E628

German(Swiss)



A69E631

Portuguese



A69E633

Poland



A6A761

Enable Full ASCII Input



7C8A615

Russia(" Shift-jis")



A69E620

Spain-Latin



A69E626

Arabic



A69E629

Italy 142 KB



A69E632

Hebrew



A69E634

Netherlands

4.One. Barcode Configuration Setting

This chapter can configure the barcode system for the device, including UPC/EAN, Codebar, Code39, Full ASCII Code39, Interleaved 2 of 5, Code93, UPC-A, GS1 DataBar Omnidirectional, GS1 DataBar Expanded, PDF417, QR Code, Hong Kong 2 of 5 (China post) and Airline 2 of 5 support barcode configuration, you just need to scan the corresponding configuration code as required. (Default is *)

Barcode Configuration

Airline 2 of 5



6667A1

Enable



6667A0

***Unable**

Aztec Code



66C761

Enable



66C760

***Unable**

Aztec Code direct or reverse color



66C770

***Regular**



66C771

Both

Codabar



6677A1
*Enable



6677A0
Unable

Codabar Check



9EF880
*Unable to Check



9EF881
Enable to Check



9EF882
Enable to Check and send Check Digit

Codabar Stop Bit



6DD7D1
Enable output beginning&ending character



6DD7D0
*Disable output beginning&ending character

Codabar direct or reverse



A888C0
*Regular



A888C1
Both

Codablock A



8CA761
Enable



8CA760
*Unable

Codablock F



8CA771
Enable



8CA770
*Unable

Code 128



667791
*Enable



667790
Disable

Code 128 direct or reverse color



A878B0
*Regular



A878B1
Both

Code 11



666791
Enable



666790
Unable

Code 11 Check Digit Bit



6E67B0
*1 Bit



6E67B1
2 Bit



6DD791
Enable to Send Check Digit Bit



6DD790
*Enable to Send Check Digit Bit

Code 32



6687B1

Enable



6687B0

***Unable**

Code 39



667771

***Enable**



667770

Unable

Code 39 Check Digit



9F6862

***Unable Check Digit**



9F6860

Enable



9F6861

Enable checksum and transmit checksum



9F6781

Enable output beginning&ending digit



9F6780

***Disable output beginning&ending digit**

Code 39 Direct or reverse color



A8880

***Regular**



A8881

Both

Code 93



667781
Enable



667780
***Unable**

Code 93 Direct or reverse color



A88860
***Regular**



A88861
Both

Composite



A66761
Enable



A66760
***Unable**

Data Matrix Code



66B791
Enable



66B790
***Unable**

Matrix Data Matrix



A7F791
Enable Matrix DM



A7F790
***Disable Matrix DM**

Lattice Data Matrix



66B761

Enable Lattice DM(DPM)



66B760

***Disable Lattice DM(DPM)**

Data Matrix direct or reverse color



66B780

***Regular**



66B781

Both

EAN/UPC



6677C1

***Enable**



6677C0

Unable

EAN/UPC Direct or reverse



A87860

***Regular**



A87861

Both

EAN/UPC Boundary detection



8C67A1

***Boundary high detection**



8C67A0

Boundary low detection

EAN/UPC No restricted area



8C67A1
Enable



8C67A0
***Unable**

EAN/UPC Two-digit additional code



6787D1
Enable



6787D0
***Unable**

EAN/UPC Five-digit additional code



6787C1
Enable



6787C0
***Disable**

EAN/UPC Additional code must be recognized



678791
Enable



678790
***Disable**

EAN-8



6687A1
***Enable**



6687A0
Disable

EAN-8 Check



6DF761

***Enable output check bit**



6DF760

Disable output check digit

EAN-8 to EAN-13



6DB780

Enable



6DB781

***Unable**

EAN-13



668771

***Enable**



668770

Unable

EAN-13Check



6DF781

***Enable output check bit**



668770

Unable



6DF780

Disable output check digit



A87781

Enable remove check space



A87780

***Disable remove check space**

Full ASCII Code39



6687D1
Enable



6687D0
Unable

GS1 DataBar Expanded



66A7B1
Enable



66A7B0
*Unable

GS1 DataBar Limited



66A7A1
Enable



66A7A0
*Unable

GS1 DataBar Omnidirectional



66A791
Enable



66A790
*Unable

HANXIN



8D9771
Enable



8D9770
*Unable

Interleaved 2 of 5



6677B1
*Enable



6677B0
Unable

Interleaved 2 of 5 direct or reverse color



A888A0
***Regular**



A888A1
Both

Interleaved 2 of 5 Check



9EF861
Open check



9EF860
***No check**



9EF862
Turn on checksum and transmit checksum

Hong Kong 2 of 5(China post)



6697C1
Enable



6697C0
***Unable**

Notice: When reading a postal, all other postal need close.

Matrix 2 of 5



6667B1
Enable



6667B0
***Unable**

Matrix 2 of 5 Check



66B7D1

Enable check bit



66B7D0

Disable check bit



6DE781

Enable output check bit



6DE780

***Disable output check bit**

Maxicode



66C7A1

Enable



66C7A0

***Unable**

MSI



668781

Enable



668780

***Unable**

Micro PDF417



66A7D1

Enable



66A7D0

***Unable**

PDF417



666761
*Enable



666760
Unable

PDF417 Direct or reverse color



A8D860
*Regular



A8D861
Both

Pharmacode



ACF7B1
Enable



ACF7B0
Unable

Micro QR Code



66C7B1
Enable



66C7B0
*Unable

Micro QR Code Direct or reverse color



66C7C0
*Regular



66C7C1
Both

QR Code



66C781
***Enable**



66C780
Disable

QR Code direct or reverse color



66C790
***Regular**



66C791
Both

QR Code Web code



A6E760
***Enable**



A6E761
Unable

RSS-14



66A791
Enable



66A790
***Unable**

RSS-LIMITED



66A7A1
Enable



66A7A0
***Unable**

RSS-EXPANDED



66A7B1
Enable



66A7B0
***Unable**

Straight 2 of 5 Industrial



667761
Enable



667760
*Unable

Telepen



6667D1
Enable



6667D0
*Unable

Trioptic Code



669781
Enable



669780
*Unable

UPC-A



6687C1
*Enable



6687C0
Unable



6DB7D1

UPC-A Check

*Enable output check bit



6DB7D0

Disable output check bit

UPC-A output numeric system characters



6DB771
*Enable



6DB770

Unable

UPC-A to EAN-13



6DB7A1

Enable



6DB7A0

***Unable**

UPC-E



668761

***Enable**



668760

Unable

UPC-E Check



6DB7C0

***Disable output check bit**



6DB7C1

Enable output check bit

UPC-E Output header characters



6DB791

Enable



6DB790

***Unable**

UPC-E Extended to 12 bits



6DB7B1

Enable



6DB7B0

***Unable**

UPC-E1



ABF781
Enable

USPS 4 STATE



A7F7A1
Enable

PHARMA-COMDE-ONE-TRACK



ACE7D1
Enable

GridMatrix



8D9761
***Enable**

DOT_CODE



A7F771
Enable



ABF780
***Unable**



A7F7A0
Unable



ACE7D0
Unable



8D9760
Unable



A7F770
***Unable**

ISBN 13 Conversion settings

Convert ISBN



6797C1
Enable



6797C0
*Unable

978 beginning barcode ISBN conversion



6797D1
Enable



6797D0
*Unable

979 beginning barcode ISBN conversion



8B77A1
Enable



8B77A0
*Unable

Add bookland prefix



8B77C1
Enable



8B77C0
*Unable

Transmit ISBN check digit



6797B1
Enable



6797B0
*Unable

ISSN 13 Conversion settings

Convert barcodes starting with 977 to ISSN



ISSN is converted to "-"



Transmit the check digit of the ISSN



5.Two. Other function setting

Add Pre/Suffix (ASCII)

Note: If you need to add function keys, you need to turn on "Invisible Character Transmission" and turn off Ctrl+X to send. For specific functions, please refer to the corresponding function keys in the (Control + X Mode Off) column in the ASCII character comparison table.

Add prefix(ASCII)

Add the prefix ASCII value, (^3*****XX,* is the content before the corresponding barcode XX, XX is the ASCII value), if the transmission function key needs to open "invisible character transmission", prohibit "Ctrl+X mode send"



69BE6XX

Configure prefix 1 byte



69CE6XX

Configure prefix 2 bytes



69DE6XX

Configure prefix 3 bytes



69EE6XX

Configure prefix 4 bytes



69FE6XX

Configure prefix 5 bytes



6A6E6XX

Configure prefix 6 bytes



6A7E6XX

Configure prefix 7 bytes



6A8E6XX

Configure prefix 8 bytes



6A9E6XX

Configure prefix 9 bytes



6AAE6XX

Configure prefix 4 bytes

Add Suffix(ASCII)

Add the suffix ASCII value, (^3****XX,* is the content before the corresponding barcode XX, XX is the ASCII value) If the transmission function key needs to open "invisible character transmission" and prohibit "Ctrl+X mode transmission"



6ABE6XX

Configure suffix 1 byte



6ACE6XX

Configure suffix 2 bytes



6ADE6XX

Configure suffix 3 bytes



6AEE6XX

Configure suffix 4 bytes



6AFE6XX

Configure suffix 5 bytes



6B6E6XX

Configure suffix 6 bytes



6B7E6XX

Configure suffix 7 bytes



6B8E6XX

Configure suffix 8 bytes



6B9E6XX

Configure suffix 9 bytes



6BAE6XX

Configure suffix 10 bytes

Annex: ASCII Code Table

Decimal	Character	Decimal	Character	Decimal	Character	Decimal	Character
000	NUL	032	SP	064	@	096	'
001	SOH	033	!	065	A	097	a
002	STX	034	"	066	B	098	b
003	ETX	035	#	067	C	099	c
004	EOT	036	\$	068	D	100	d
005	ENQ	037	%	069	E	101	e
006	ACK	038	&	070	F	102	f
007	BEL	039	`	071	G	103	g
008	BS	040	(	072	H	104	h
009	HT	041	)	073	I	105	i
010	LF	042	*	074	J	106	j
011	VT	043	+	075	K	107	k
012	FF	044	,	076	L	108	l
013	CR	045	—	077	M	109	m
014	SOH	046	.	078	N	110	n
015	SI	047	/	079	O	111	o
016	DLE	048	0	080	P	112	p
017	DC1	049	1	081	Q	113	q
018	DC2	050	2	082	R	114	r
019	DC3	051	3	083	S	115	s
020	DC4	052	4	084	T	116	t
021	NAK	053	5	085	U	117	u
022	SYN	054	6	086	V	118	v
023	ETB	055	7	087	W	119	w
024	CAN	056	8	088	X	120	x
025	EM	057	9	089	Y	121	y
026	SUB	058	:	090	Z	122	z
027	ESC	059	;	091	[	123	{
028	FS	060	<	092	\	124	|
029	GS	061	=	093	]	125	}
030	RS	062	>	094	^	126	~
031	US	063	?	095	_	127	DEL

ASCII code extension character (CP-1252 code)

Decimal	Character	Decimal	Character	Decimal	Character	Decimal	Character
128	€	160		192	À	224	à
129		161	ı	193	Á	225	á
130	,	162	ç	194	Â	226	â
131	f	163	£	195	Ã	227	ã
132	„	164	¤	196	Ä	228	ä
133	...	165	¥	197	Å	229	å
134	†	166	ı	198	Æ	230	æ
135	‡	167	§	199	Ç	231	ç
136	^	168	¨	200	È	232	è
137	‰	169	©	201	É	233	é
138	Š	170	ª	202	Ê	234	ê
139	‹	171	«	203	Ë	235	ë
140	Œ	172	¬	204	Ì	236	ì
141		173		205	Í	237	í
142	Ž	174	®	206	Î	238	î
143		175	¯	207	Ï	239	ï
144		176	°	208	Ð	240	ð
145	´	177	±	209	Ñ	241	ñ
146	’	178	²	210	Ò	242	ò
147	“	179	³	211	Ó	243	ó
148	”	180	´	212	Ô	244	ô
149	·	181	µ	213	Õ	245	õ
150	–	182	¶	214	Ö	246	ö
151	—	183	·	215	×	247	÷
152	˜	184	¸	216	Ø	248	ø
153	™	185	¹	217	Ù	249	ù
154	š	186	º	218	Ú	250	ú
155	›	187	»	219	Û	251	û
156	œ	188	¼	220	Ü	252	ü
157		189	½	221	Ý	253	ý
158	ž	190	¾	222	Þ	254	þ
159	ÿ	191	¿	223	ß	255	ÿ

Code ID Setting



A8E7A1
Output Code ID



A8E7A0
* Not Output Code ID

Annex: Code ID Table

Barcode	Code ID	Barcode	Code ID
Code128	j	plessey	n
GS1-128	j	matrix 2 of 5	m
CODE39	b	industrial 2 of5	F
EAN8	D	IATA 2 OF 5	f
EAN13	d	CHINESE POST 2 OF 5	Q
UPC-E	E	code 11	h
UPC-A	c	MSI	g
interleaved 2 of 5	e	Code93	i
ITF-14		RSS-14	y
Codabar	a	RSS-Limited	{
RSS-Expanded	}	GM Code	X
QR Code	s	Micro PDF 417	R
PDF417	r	Micro QR	-
Data Matrix	w	USPS Postnet	P
Aztec Code	z	USPS Intelligent Mail	
Maxicode	x	Royal Mail	
HANXIN	H	USPS Planet	L
KIX Post	K	Australian Postal	A

GS&Control character conversion settings

Control character settings

After setting, all control characters will be output as text (see the ASCII character comparison table for details) in the Char content.



AC97A1

Enable control character conversion



AC97A0

***Disable control character conversion**

GS replacement settings



AC9A60

GS does not replace



AC9A62

GS is replaced by Ç



AC9A61

GS is replaced by |



AC9A64

GS is replaced with ^]



AC9A63

GS is replaced with]



AC9A66

GS is replaced by (GS)



AC9A65

GS is replaced by <GS>



AC9A68

GS is replaced by `GS`



AC9A67

GS is replaced by 'GS'



AC9A610

GS is replaced with ?



AC9A69

GS is replaced by GS



AC9A612

GS is replaced by [GS]



AC9A614

GS does not output



AC9A611

GS is replaced with *



AC9A613

GS is replaced with <0x1D>



AC9A615

GS is replaced with ↵ (Word works)

Invisible character settings

When invisible character transmission is enabled, using USB HID will output the corresponding function key.
(Some devices are invalid, you can use the simulated keyboard)



A867D1

Transmit invisible characters



A867D0

***Do not transmit invisible characters**

Simulate keyboard settings

You may need to type your characters in the form of ASCII codes. At this time, you can configure the corresponding configuration code to simulate the keyboard as required.



A6A761

Enable emulated keyboard



A6A760

***Disable emulated keyboard**



A6A771

Turn on the analog keyboard front zero



A6A770

*** Disable emulated keyboard with zero in front**

Ctrl+X mode send

After this function is enabled, the ASCII control character becomes the output Ctrl combination control key
(some devices are invalid)



ABF771

Enable Ctrl+X mode send



ABF770

***Disable Ctrl+X mode**

ALT+Numpad send

After this function is turned on, it becomes the combined output of ALT+numeric keypad



A6A761

Enable ALT plus numeric keypad send



A6A760

***Disable ALT plus numeric keypad**

Annex: ASCII character comparison table

Non-printable ASCII control characters			Keyboard Control + ASCII (CTRL+X) Mode		
DEC	HEX	Char	Control + X Mode Off	Windows Mode Control + X Mode On	
				CTRL + X	CTRL + X function
0	00	NUL	NULL	CTRL+ @	
1	01	SOH	NP Enter	CTRL+ A	Select all
2	02	STX	Caps Lock	CTRL+ B	Bold
3	03	ETX	Right Arrow	CTRL+ C	Copy
4	04	EOT	Up Arrow	CTRL+ D	Bookmark
5	05	ENQ	NULL	CTRL+ E	Center
6	06	ACK	NULL	CTRL+ F	Find
7	07	BEL	Enter	CTRL+ G	
8	08	BS	Left Arrow	CTRL+ H	History
9	09	HT	Tab	CTRL+ I	Italic
10	0A	LF	Down Arrow	CTRL+ J	Justify
11	0B	VT	Tab	CTRL+ K	hyperlink
12	0C	FF	Backspace	CTRL+ L	list, left align
13	0D	CR	Enter / Ret	CTRL+ M	
14	0E	SO	Insert	CTRL+ N	New
15	0F	SI	ESC	CTRL+ O	Open
16	10	DLE	F11	CTRL+ P	Print
17	11	DC1	Home	CTRL+ Q	Quit
18	12	DC2	PrtScn	CTRL+ R	
19	13	DC3	Delete	CTRL+ S	Save
20	14	DC4	Tab+shift	CTRL+ T	
21	15	NAK	F12	CTRL+ U	
22	16	SYN	F1	CTRL+ V	Paste
23	17	ETB	F2	CTRL+ W	
24	18	CAN	F3	CTRL+ X	
25	19	EM	F4	CTRL+ Y	
26	1A	SUB	F5	CTRL+ Z	
27	1B	ESC	F6	CTRL+ [
28	1C	FS	F7	CTRL+ \	
29	1D	GS	F8	CTRL+]	
30	1E	RS	F9	CTRL+ ^	
31	1F	US	F10	CTRL+ -	
127	7F	DEL	Delete		

6.Three. System function settings

This chapter will configure some system functions.

USB transfer speed adjustment



8C67A0

***USB keyboard is the fastest**



A788B1

USB keyboard speed upper middle



A788B2

USB keyboard speed is medium to low



A788B3

Slowest USB keyboard

Add delay after carriage return

It is recommended to turn on the carriage return delay when using an Android device, and it is recommended to turn it off for other systems



ACA771

Enable



ACA770

***Disable**

Add inter-character delay

After setting, the corresponding delay will be added between each character of the barcode content. The setting code is A8F9BX where X is 1~7 (1 represents 5ms) and the maximum is 35ms

For example, a CODE128 code is 123456. When outputting, 1 is delayed for 10ms, then output 2 is delayed for 10ms, and output 3 is interpolated in turn.

Set the output effect without delay: 1 (no delay) 2 (no delay) 3 (no delay) 4 (no delay) 5 (no delay) 6 <Enter>

Output effect after setting 10ms: 1 (delay 10ms) 2 (delay 10ms) 3 (delay 10ms) 4 (delay 10ms) 5 (delay 10ms) 6 <Enter>

