HotPot International Co., Ltd.

User Manual

AHM-TCU6

High Density CCD Barcode Scanner

(Ver: 1.07)

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Chapter 1 Contents

1-1: Operation and Install

The barcode reader for a short distance from the reader to the scope necessary to trigger the barcode scan machine of Button, to be lit up with red light irradiation and a complete parallel in the barcode reader, and the attention of barcode machines and read the barcode of each other point of view, as far as possible to avoid optical total reflection , so can greatly increase the ability to read bar code machine to the user in order to provide reference

Sequence of operation suggestion：

a. Interface to be confirmed.
b. Cable and determine the bar code machine interface to be the same.
c. Set the bar code you want to drive into the system.
d. And then basis for decoding the barcode to be done in detail the types of settings.
e. Edit the output data format.
f. After reading to confirm whether the correct Output.

Keyboard Wedge Interface to connect：

a. The closure of the terminal (PC) Power Supply.
b. The bar code machine PS2 joint connected to the terminal (PC) , then the original terminal (PC) access to the barcode machine keyboard PS2.
c. Open the terminal (PC) Power Supply.
d. You can start software testing instruments such as (Word、Notepad…).

RS232 Interface to connect：

a. Barcode machine to DB9 to a terminal connector (PC), then the DC Transformer DC 5V/500mA received on board the DC Barcode machine connector.
b. Connected to DC power transformer.
c. Set the terminal (PC) of the Com Pore, Baud Rate ... and so on, need to set consistent with the barcode machine.

※ DC 5V/500mA the DC transformer connection, please note that the positive and negative voltage polarity is correct barcode machine in order to avoid machine damage.

HID USB Interface to connect：

a. The barcode machine USB (public Block) joint connected to the terminal (PC).
b. Wait for the terminal (PC) the completion of the search device (device is defined as HID Keyboard).
c. You can start software testing instruments such as (Word、Notepad…).

1-2: Code ID Table List

The following table lists the barcode machine can read the barcode type of support, and corresponds to the factory of the Default ID, and the United States, bar associations (AIM) of the Code ID set out.

Barcode Type	Default ID	AIM ID
Code 39	C M Y	]A0
Codabar	N X	]F0
Interleave 25	I Z	]I0
China Postal Code	D	]X0
Industrial 25	H	]S0
Matriax 25	U	]X0
UPCA	A	]E0
EAN13	A F	]E0
EAN8	B FF	]E4
UPCE	C E	]E0
Code 128	K	]C0
Code 93	L	]G0
Full ASCII Code 39	O	]A0
Italy Pharmacode	P	]X0
EAN 128	W	]C1
DataBar-14	R	]e0
DataBar-Limited	S	]e0
DataBar-Expanded	T	]e0

1-3: Data Output Format

Barcode sequence data output format is as follows:

STX	**Prefix Code**	**Code Length**	**Code ID**	**Barcode Data**	**Suffix Code**	**ETX**

1-4: Settings

The main manual setting mode, is divided into two broad categories as follows：

1. Input non-Annex：

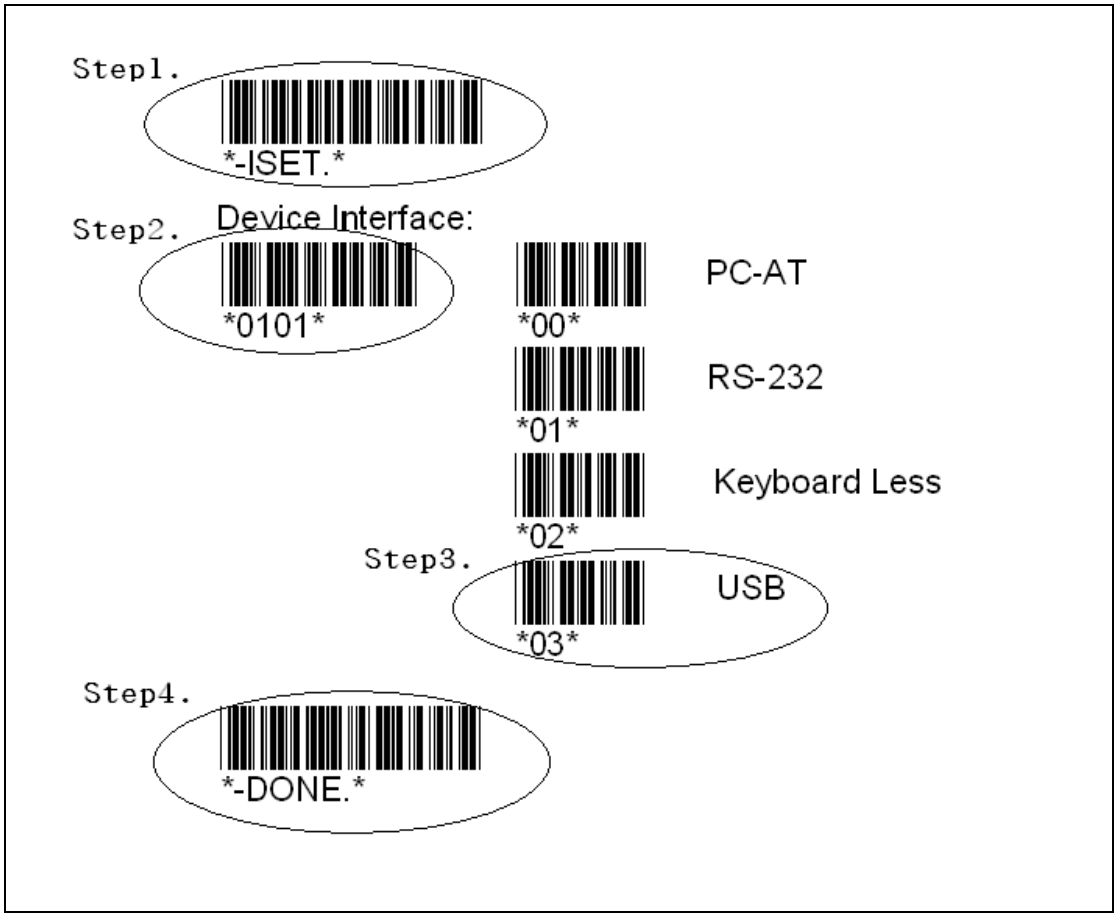
Example: HID USB interface, the steps set.

Step1: set to enter the barcode.

Step2: set the barcode feature.

Step3: the options barcode.

Step4: to leave the store barcode.



2. Annex input methods:

Example: Set Code 128 character minimum length of 17 characters step.

Step1: set to enter the barcode.

Step2: set the barcode feature.

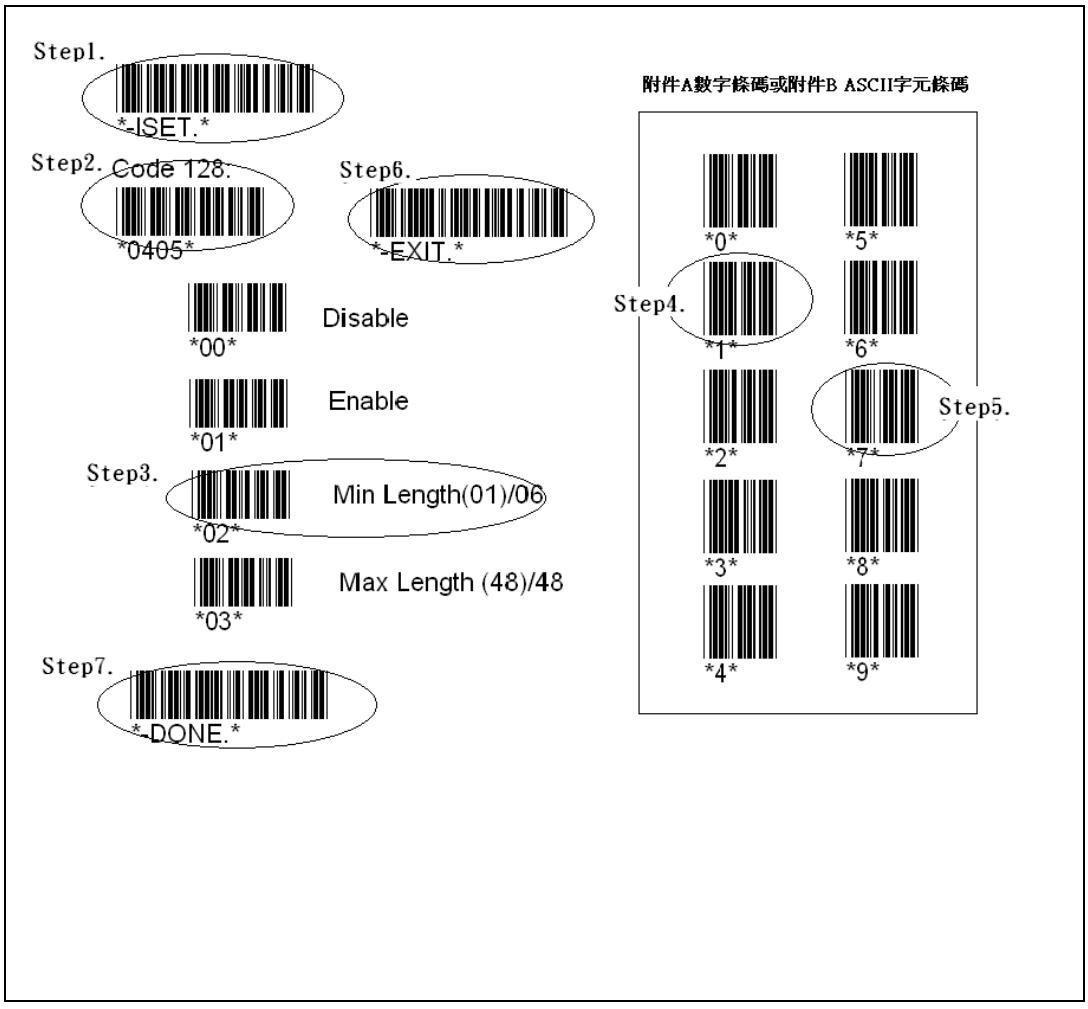
Step3: the options barcode.

Step4: the length of 1.

Step5: length 7.

Step6: Set the end of the annex to enter the barcode.

Step7: to leave the store barcode.



※ Enter the characters in length is fixed at 2-digit, such as: length of 1->01, length 9->09, length 15->15.

-ISET.

-EXIT.

Chapter 2 Barcode Setting

System Settings

0100

00 Restore Default Settings

01 Firmware Version

02 Enable Power Saving

03 **Disable Power Saving**

※Keyboard less mode if Power Saving function without.

Output Interfaces

0101

00 **PC AT**

01 RS 232

02 Keyboard less

03 HID USB

※ If the interface configuration is not correct, would lead to output barcode machine can not be correct.

※ If the models are not allowed to change the function-type Cable can not be used.

-DONE.

-ISET.

-EXIT.

Select ID Set 1~4: ID function to choose the factory order of its corresponding barcode UPCE/EAN13/EAN8/Interleave 25/Code 39/Codabar。

Code ID Selection

0202

00 **Clear All Code ID Settings**

01 ID Set 1(C/A/B/I/M/N)

02 ID Set 2(E/F/FF/I/M/N)

03 ID Set 3(E/A/B/I/C/N)

04 ID Set 4(C/A/B/Z/Y/X)

05 Select AIM ID

06 Select User Defined ID

Buzzer Settings

0204

00 Buzzer Disable

01 4.3K Hz

02 **2.4K Hz**

03 1.5K Hz

-DONE.

-ISET.

-EXIT.

Select Keyboard Type

0102

00 Alt Key Mode

01 **PCAT (US)**

02 PCAT (French)

03 PCAT (German)

04 PCAT (Italy)

05 PCAT (Swiss)

06 PCAT (Japanese)

07 PCAT (UK)

08 PCAT (Spanish)

※ If the keyboard language setting is not correct, would lead to output characters or when the machine is wrong.

※ If there is the phenomenon when the machine restart after power and give you the right settings.

In the PC-AT, Keyboard Less, HID-USB interface, etc., can choose the output type of ASCII characters in table Please refer to Appendix D, E.

Select KBD Wedge Character Table Type

0104

00 **Type 1**

01 Type 2

-DONE.


-ISET.


-EXIT.

Capital Lock Settings


0106


00 **<u>Auto Detection</u>**


01 Capital Lock Off


02 Capital Lock On


03 Fixed Lower Case


04 Fixed Upper Case

Alphanumeric Key: Figure out the side of the keyboard number keys.

Numeric Key: Figure out the right side of the keyboard number keys.

Digits Transmission


0209


00 **<u>Alphanumeric Key</u>**


01 Numeric Key


-DONE.

-ISET.

-EXIT.

RS232 Baud Rate

0300

00 1200 bps	*01* 2400 bps
02 4800 bps	*03* **9600 bps**
04 19200 bps	*05* 38400 bps
06 57600 bps	*07* 115200 bps

RS232 Parity

0301

00 Even	*01* Odd
02 Mark	*03* Space
04 **No Parity**	

-DONE.

-ISET.

-EXIT.

RS232 Data Bit

0302

00 7 Bits

01 **8 Bits**

RS232 Flow Control Settings

0304

00 **No Flow Control**

01 Data Ready

02 Scanner Ready

RS232 ACK/NAK Transmission

0305

00 **Disable**

01 Enable

-DONE.


-ISET.


-EXIT.

RS232 Flow Control Waiting Time Settings


0306


00 **1 sec**


01 5 sec


02 15 sec


03 Unlimited

※ Unlimited options to choose, if the host did not respond have been waiting for the barcode and the machine will be unable to operate, please re-operation in order to restore power.

RS232 STX/ETX


0307


00 **Disable**


01 Enable


-DONE.

-ISET.

-EXIT.

Scan Mode

0205

00 Test

01 **Alternate**

02 Continuous with flashing

03 Auto Scan

04 Continuous Auto Off

05 Continuous

06 Auto Off

Read Redundancy

0201

00 **No Redundancy**

01 1 Time

02 2 Times

03 3 Times

04 4 Times

05 5 Times

※ If the more the number of settings will affect the rate of barcode decoding machine.

Termination Character Transmission

0200

00 CR

01 **CR+LF (Enter)**

02 LF

03 Disable

-DONE.

Information in the bar code before and after adding custom characters and special function keys output.

Prefix/Suffix Settings

0203

00	Enable Prefix	*01*	**Disable Prefix**
02	Enable Suffix	*03*	**Disable Suffix**
04	Prefix code (max 8 digits)	*05*	Clear Prefix code
06	Suffix code (max 8 digits)	*07*	Clear Suffix code

-ISET.

-EXIT.

Each set of data and the delay time between data.

Inter-Block Delay

0206

00 **None**

01 10 ms

02 50 ms

03 100 ms

04 500 ms

05 1 sec

06 3 sec

07 5 sec

Each set of characters and the delay time between characters.

Inter-Character Delay

0207

00 **None**

01 1 ms

02 2 ms

03 5 ms

04 10 ms

05 30 ms

06 50 ms

07 100 ms

-DONE.

-ISET.

-EXIT.

Information in the barcode data before sending the median length of 2.

Ex: Barcode = 1234567890

Output = 101234567890

Length Code

0208

00 Disable

01 **Enable**

-DONE.

-ISET.

-EXIT.

This feature can be set out all types of bar code data length, all types of bar code data length can not be sent alone to choose the length of the output data need to bar code types.

Enable/Disable All Barcodes Length

0210

00 All Code Length Enable

01 All Code Length Disable

02 Code 39 Enable

03 Code 39 Disable

04 Codabar Enable

05 Codabar Disable

06 Interleave 25 Enable

07 Interleave 25 Disable

08 China Postal Code Enable

09 China Postal Code Disable

10 Industrial 25 Code Enable

11 Industrial 25 Code Disable

12 Matriax 25 Code Enable

13 Matriax 25 Code Disable

14 UPCA Enable

15 UPCA Disable

16 EAN13 Enable

17 EAN13 Disable

18 EAN8 Enable

19 EAN8 Disable

20 UPCE Enable

21 UPCE Disable

22 Code 128 Enable

23 Code 128 Disable

-DONE.

-ISET.

-EXIT.

Enable/Disable All Barcodes Length

0210

24 Code 93 Enable

25 Code 93 Disable

26 Full ASCII Code 39 Enable

27 Full ASCII Code 39 Disable

28 Italy Pharmacode Enable

29 Italy Pharmacode Disable

30 EAN 128 Enable

31 EAN 128 Disable

32 DataBar-14 Enable

33 Databar-14 Disable

34 DataBar-Limited Enable

35 DataBar-Limited Disable

36 DataBar-Expanded Enable

37 DataBar-Expanded Disable

38 PDF417 Enable

39 PDF417 Disable

Negative Barcode Setting

0211

00 **Disable**

01 Enable

-DONE.

-ISET.

-EXIT.

Interleave 25

0401

00 Disable

01 **Enable**

02 Checksum Verification and Transmission

03 Checksum Verification and no Transmission

04 **Checksum no Verification**

05 First digit ignored

06 Last digit ignored

07 **No ignored**

08 Min Length (01)/**[10]**

09 Max Length (82)/**[82]**

10 Set User Defined ID

11 Clear User Defined ID

-DONE.

Standard / Full ASCII Code 39

0400

00 Disable

01 **Enable**

02 **Full ASCII**

03 Standard

04 Checksum Verification and Transmission

05 Checksum Verification and no Transmission

06 **Checksum no Verification**

07 Enable Start/Stop Transmission

08 **Disable Start/Stop Transmission**

09 Min Length (01)/**[01]**

10 Max Length (82)/**[82]**

11 Set User Defined ID

12 Clear User Defined ID

Code 128

0405

00 Disable

01 **Enable**

02 Min Length (01)/**[01]**

03 Max Length (82)/**[82]**

04 Set User Defined ID

05 Clear User Defined ID

06 Disable Code128 A

07 **Enable Code128 A**

08 Disable Code128 B

09 **Enable Code128 B**

10 Disable Code128 C

11 **Enable Code128 C**

EAN 128

0503

00 Disable

01 **Enable**

02 Enable AIM ID

03 **Disable AIM ID**

04 Field Separator Defined

05 Enable Field Separator

06 **Disable Field Separator**

07 Set User Defined ID

08 Clear User Defined ID

09 Disable EAN-128 A

10 **Enable EAN-128 A**

11 Disable EAN-128 B

12 **Enable EAN-128 B**

13 Disable EAN-128 C

14 **Enable EAN-128 C**

-ISET.

-EXIT.

Codabar

0402

00 **Disable**

01 Enable

02 **Enable Start/Stop Transmission**

03 Disable Start/Stop Transmission

04 Checksum Verification and Transmission

05 Checksum Verification and no Transmission

06 **Checksum no Verification**

07 Enable CLSI Conversion

08 **Disable CLSI Conversion**

09 Min Length (01)/**[10]**

10 Max Length (82)/**[82]**

11 Set User Defined ID

12 Clear User Defined ID

-DONE.

-ISET.

-EXIT.

Italy Pharmacode (Code 32)

0404

00 **Disable**

01 Enable

02 **Enable alphabet Transmission**

03 Disable alphabet Transmission

04 **Enable Checksum Transmission**

05 Disable Checksum Transmission

06 Set User Defined ID

07 Clear User Defined ID

Code 93

0502

00 **Disable**

01 Enable

02 Min Length (01)/**[06]**

03 Max Length (82)/**[82]**

04 Set User Defined ID

05 Clear User Defined ID

-DONE.

China Postal Code

0403

00 **Disable**
01 Enable
02 Checksum Verification and Transmission
03 Checksum Verification and no Transmission
04 **Checksum no Verification**
05 Min Length (01)/**[11]**
06 Max Length (82)/**[82]**
07 Set User Defined ID
08 Clear User Defined ID


-ISET.


-EXIT.

Industrial 25


0500


00 **Disable**


01 Enable


02 Checksum Verification and Transmission


03 Checksum Verification and no Transmission


04 **Checksum no Verification**


05 Min Length (01)/**[10]**


06 Max Length (82)/**[82]**


07 Set User Defined ID


08 Clear User Defined ID


-DONE.

-ISET.

-EXIT.

Matrix 25


0501

00 **Disable**

01 Enable

02 Checksum Verification and Transmission

03 Checksum Verification and no Transmission

04 **Checksum no Verification**

05 Min Length (01)/**[10]**

06 Max Length (82)/**[82]**

07 Set User Defined ID

08 Clear User Defined ID

-DONE.

-ISET.

-EXIT.

UPCA

0504

00	Disable	*01*	**Enable**
02	**EN 1st digit Transmission**	*03*	DS 1st digit Transmission
04	**EN Checksum Transmission**	*05*	DS Checksum Transmission
06	Enable Addon 2	*07*	**Disable Addon 2**
08	Enable Addon 5	*09*	**Disable Addon 5**
10	Enable No Addon	*11*	**Disable No Addon**
12	Enable Addon Space	*13*	**Disable Addon Space**
14	Enable Convert to EAN13	*15*	**Disable Convert to EAN13**
16	Set User Defined ID	*17*	Clear User Defined ID

※ EN = Enable

※ DN = Disable

-DONE.

UPCE

0505

00	Disable	*01*	**Enable**
02	**EN 1st digit Transmission**	*03*	DS 1st digit Transmission
04	**EN Checksum Transmission**	*05*	DS Checksum Transmission
06	Enable Addon 2	*07*	**Disable Addon 2**
08	Enable Addon 5	*09*	**Disable Addon 5**
10	Enable No Addon	*11*	**Disable No Addon**
12	Enable Addon Space	*13*	**Disable Addon Space**
14	Enable Convert to UPCA	*15*	**Disable Convert to UPCA**
16	**Enable System Number 0**	*17*	Disable System Number 0
18	Enable System Number 1	*19*	**Disable System Number 1**
20	Set User Defined ID	*21*	Clear User Defined ID

※ EN = Enable

※ DN = Disable

-ISET.

-EXIT.

EAN13

0600

00	Disable	*01*	**Enable**
02	**EN 1st digit Transmission**	*03*	DS 1st digit Transmission
04	**EN Checksum Transmission**	*05*	DS Checksum Transmission
06	Enable Addon 2	*07*	**Disable Addon 2**
08	Enable Addon 5	*09*	**Disable Addon 5**
10	Enable No Addon	*11*	**Disable No Addon**
12	Enable Addon Space	*13*	**Disable Addon Space**
14	Enable ISBN Conversion	*15*	**Disable ISBN Conversion**
16	Enable ISSN Conversion	*17*	**Disable ISSN Conversion**
18	Set User Defined ID	*19*	Clear User Defined ID

※ EN = Enable

※ DN = Disable

-DONE.

-ISET.

-EXIT.

EAN8

0601

00	Disable	*01*	**Enable**
02	**EN 1st digit Transmission**	*03*	DS 1st digit Transmission
04	**EN Checksum Transmission**	*05*	DS Checksum Transmission
06	Enable Addon 2	*07*	**Disable Addon 2**
08	Enable Addon 5	*09*	**Disable Addon 5**
10	Enable No Addon	*11*	**Disable No Addon**
12	Enable Addon Space	*13*	**Disable Addon Space**
14	Set User Defined ID	*15*	Clear User Defined ID

※ EN = Enable

※ DN = Disable

-DONE.


-ISET.


-EXIT.

DataBar(RSS)-14


0602


00 **Disable**


01 Enable


02 Set User Defined ID


03 Clear User Defined ID

DataBar(RSS)-Limited


0603


00 **Disable**


01 Enable


02 Set User Defined ID


03 Clear User Defined ID

DataBar(RSS)-Expanded


0604


00 **Disable**


01 Enable


02 Set User Defined ID

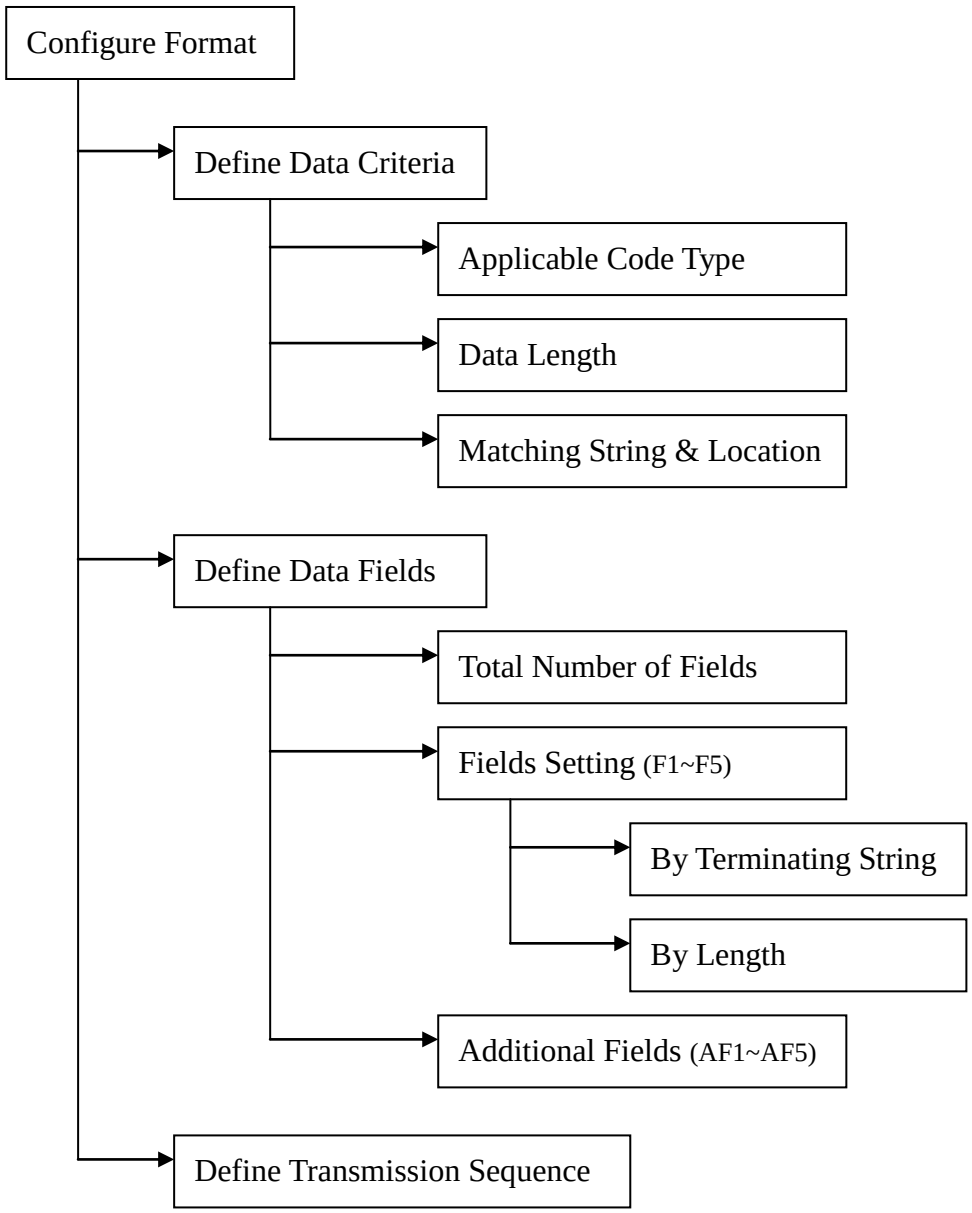

03 Clear User Defined ID


-DONE.

Chapter 3 Barcode Editing Formats

Edit Settings barcode information can be divided into 3 parts:

1. Set up the opening of the basic conditions for editing data (Define Data Criteria).
2. Set the bar code information or to insert a string section (Define Data Fields).
3. Data set or sub-string output sequence (Define Transmission Sequence).




-ISET.


-EXIT.

Activate Editing Format


0800


00 **Enable Editing Format**


01 Disable Editing Format


02 Clear All Format

Normal: When the barcode data editing and data checking settings do not meet the conditions, the output information on the contents of the original bar code.

Reject Non-conforming Data: When the barcode data editing and data checking settings when conditions are not consistent with such a significant amount of data is not output.

Exclusive Data Editing


0801


00 **Normal**


01 Reject Non-conforming Data

First step (Define Data Criteria):

Editing Format	***Defaults***	***Data Range***
Applicable Code Type	All	None ~ All
Data Length (Min)	0	0 ~ 99
Data Length (Max)	0	0 ~ 99
Matching String…	None	0 ~ 4 chars
Matching String Location	0	0 ~ 99


-DONE.

Election will be the first step to check the barcode types (can be multiple choice).

Define Data Criteria – Applicable Code Type

0802

00	**Apply to all Code Type**	*01*	Clear All
02	Code 39	*03*	Code 128
04	Interleave 25	*05*	Italy Pharmacode
06	Codabar	*07*	Code 93
08	China Postal Code	*09*	Industrial 25
10	Matrix 25	*11*	EAN 128
12	UPCA	*13*	UPCE
14	EAN13	*15*	EAN8
16	DataBar-14	*17*	DataBar-Limited
18	DataBar-Expanded		

-ISET.

-EXIT.

Set the length of barcode data range (0 ~ 99), when the Data Length (Min & Max) are both 0, this condition will be ignored.

Define Data Criteria – Data Length

0803

00 Min Length (0~99)

01 Max Length (0~99)

Matching string ...: set the string to search for a maximum of four characters.

Location of Matching string ...: set the bar code information from the first location to start looking for a few strings, when the Matching String Location for 0, this condition will be ignored.

Define Data Criteria – Matching String & Location of Matching String

0804

00 Matching string…(4 chars)

01 Location of Matching string…(0~99)

Second step (Define Data Fields):

Editing Format	***Defaults***	***Data Range***
Total Number of Fields	1	1 ~ 6
F1~F5 Terminating string…	None	0 ~ 2 chars
F1~F5 Include/Discard string	Include	Include or Discard
F1~F5 Divide Field by Field length	0	0 ~ 99
Additional Field 1 (AF1~AF5)	None	0 ~ 5 chars

-DONE.

Information on the second step can be divided into up to 6, respectively, then Field 1 ~ Field 6, default is 1, that is, do not use this function, the successful decoding of the bar code information will be deemed to be the paragraph 1 information display in Field 1 in.

The use of examples:

1. Barcode data to be divided into 2, but only need the information in paragraph 1 of editors, to choose Two Fields.
2. Barcode data to be divided into 2, but only in paragraph 2 of the need for data editing, to choose Three Fields.
3. Barcode data to be divided into 2, but in paragraph 1 and 2 need to edit the information, it is necessary to choose Three Fields.

Because when there is data after partition, if there are remaining, which the rest of the information will automatically be assigned to the next section, only Field 1 ~ Field 5 can perform data editing, Field 6 can not.

Divide Data into Fields – Total Number of Fields

0805

00 **One Field**

01 Two Fields

02 Three Fields

03 Four Fields

04 Five Fields

05 Six Fields

-ISET.

-EXIT.

Contents of the following Field-1 setting to the Field-5 setting common Description:

Select Field Terminating string ...: to find the information in line with the paragraphs of the characters as do the split point up to 2 characters.

Include string: the characters look for reservation.

Discard string: delete the character to look into.

Divide Field by Field Length: set in accordance with paragraphs in length as do the split point.

※ If you set the Select Field Terminating string ... conditions Divide Field by Field Length conditions will be automatically ignored, these two conditions can only choose one to use, not at the same time.

Divide Data into Fields – Field-1 setting

0806

00 Select Field Terminating string…(2 chars)

01 **Include string** *02* Discard string *03*

Divide Field by Field Length (0~99)

Divide Data into Fields – Field-2 setting

0807

00 Select Field Terminating string…(2 chars)

01 **Include string** *02* Discard string *03*

Divide Field by Field Length (0~99)

-DONE.


-ISET.


-EXIT.

Divide Data into Fields – Field-3 setting


0808


00 Select Field Terminating string…(2 chars)


01 **Include string**


02 Discard string


03

Divide Field by Field Length (0~99)

Divide Data into Fields – Field-4 setting


0809


00 Select Field Terminating string…(2 chars)


01 **Include string**


02 Discard string


03

Divide Field by Field Length (0~99)

Divide Data into Fields – Field-5 setting


0810


00 Select Field Terminating string…(2 chars)


01 Include string


02 Discard string


03

Divide Field by Field Length (0~99)


-DONE.

-ISET.

-EXIT.

Additional Field: In addition to the barcode data can be divided into 6 data, but also to increase the 5 additional user-defined data, each Additional Field can be added up to 5 characters.

※ If the user interface for the PS2 or HID-USB, the characters can be added and included in Appendix B Appendix C of the characters.

※ If the user interface for the RS232, the characters can be added only in Appendix B of the characters

Divide Data into Fields – Additional Fields

0811

00 Additional Field 1

01 Additional Field 2

02 Additional Field 3

03 Additional Field 4

04 Additional Field 5

-DONE.

-ISET.

-EXIT.

Transmission Sequence: Set all the information above to order the order of output, a total of 12 sections for the order, the output of the information above can be repeated with, for example: <F1> <AF1> <F2> <AF2> <F3> <AF2>.

Set by:

1. Read <* 0812 *>.
2. Re-read <* 00 *>.
3. And then to the output data in accordance with the order, read the <* A *> to <* J *> of the barcode.

Field Transmission Sequence (12 Fields can output at the same time)

0812

00 Set Field Transmission Sequence

A Field 1

B Field 2

C Field 3

D Field 4

E Field 5

F Field 6

G Additional Field 1

H Additional Field 2

I Additional Field 3

J Additional Field 4

K Additional Field 5

-DONE.

Appendix A : ASCII Number

-ISET.

-EXIT.

Appendix B : ASCII Character -1


%U **NUL**


$A **SOH**


$B **STX**


$C **ETX**


$D **EOT**


$E **ENQ**


$F **ACK**


$G **BEL**


$H **BS**


$I **HT**


$J **LF**


$K **VT**


$L **FF**


$M **CR**


$N **SO**


$O **SI**


$P **DLE**


$Q **DC1**


$R **DC2**


$S **DC3**


$T **DC4**


$U **NAK**


$V **SYN**


$W **ETB**


$X **CAN**


$Y **EM**


$Z **SUB**


%A **ESC**


%B **FS**


%C **GS**


%D **RS**


%E **US**

-DONE.

Appendix B : ASCII Character -2

Space


!


"


#


$


%


&


'


(


)


*


+


,


-


.


/


0


1


2


3


4


5


6


7


8


9


:


;


<


=


>


?

Appendix B : ASCII Character -3


%V @


A A


B B


C C


D D


E E


F F


G G


H H


I I


J J


K K


L L


M M


N N


O O


P P


Q Q


R R


S S


T T


U U


V V


W W


X X


Y Y


Z Z


%K [


%L \


%M]


%N ^


%O _

-ISET.

-EXIT.

Appendix B : ASCII Character -4

%W `

+A a

+B b

+C c

+D d

+E e

+F f

+G g

+H h

+I i

+J j

+K k

+L l

+M m

+N n

+O o

+P p

+Q q

+R r

+S s

+T t

+U u

+V v

+W w

+X x

+Y y

+Z z

%P {

%Q |

%R }

%S ~

%T DEL

-DONE.

Appendix C : Function Code


F1Z6R800 **F1**


F1Z6R801 **F2**


F1Z6R802 **F3**


F1Z6R803 **F4**


F1Z6R804 **F5**


F1Z6R805 **F6**


F1Z6R806 **F7**


F1Z6R807 **F8**


F1Z6R808 **F9**


F1Z6R809 **F10**


F1Z6R810 **F11**


F1Z6R811 **F12**


F1Z6R812 **Home**


F1Z6R813 **End**


F1Z6R814 **Right**


F1Z6R815 **Left**


F1Z6R816 **Up**


F1Z6R817 **Down**


F1Z6R818 **Page Up**


F1Z6R819 **Page Down**


F1Z6R820 **Tab**


F1Z6R821 **Back Tab**


F1Z6R822 **Esc**


F1Z6R823 **Enter**


F1Z6R824 **Back Space**


F1Z6R825 **Insert**


F1Z6R826 **Delete**


F1Z6R827 **Alt Make**


F1Z6R828 **Alt Break**


F1Z6R829 **Shift Make**


F1Z6R830 **Shift Break**


F1Z6R831 **Ctrl Make**


F1Z6R832 **Ctrl Break**

-ISET.

-EXIT.

Appendix D : KBD Wedge Character Table

	0		1		2	3	4	5	6	7	8
	Type 1	Type 2	Type 1	Type 2							
0	^@		^P	F2	SP	0	@	P	`	p	
1	^A	Ins	^Q	F3	!	1	A	Q	a	q	
2	^B	Del	^R	F4	“	2	B	R	b	r	
3	^C	Home	^S	F5	#	3	C	S	c	s	
4	^D	End	^T	F6	$	4	D	T	d	t	
5	^E	Up	^U	F7	%	5	E	U	e	u	
6	^F	Down	^V	F8	&	6	F	V	f	v	
7	^G	Left	^W	F9	‘	7	G	W	g	w	
8	^H	BS	^X	F10	(	8	H	X	h	x	
9	^I	HT	^Y	F11	)	9	I	Y	i	y	
A	^J	LF	^Z	F12	*	:	J	Z	j	z	
B	^K	Right	^[	Esc	+	;	K	[	k	{	
C	^L	PgUp	^\	Exec	,	<	L	\	l	|	
D	^M	Enter	^]		-	=	M	]	m	}	
E	^N	PgDn	^^		.	>	N	^	n	~	
F	^O	F1	^_		/	?	O	_	o	DEL	

Note 1: If the KBD Wedge Character Table selected as Type 1, the output of Table 00 ~ 1F blue please refer to Type 1 fonts.

Note 2: If the KBD Wedge Character Table selected as Type 2, the output of Table 00 ~ 1F please refer to Type 2 red font.

Note 3: In addition to the above 00 ~ 1F Table different from other Table Type 1 and Type 2 are the same.

-DONE.

Appendix E : RS232 Character Table

	0	1	2	3	4	5	6	7
0	NUL	DLE	SP	0	@	P	`	p
1	SOH	DC1	!	1	A	Q	a	q
2	STX	DC2	“	2	B	R	b	r
3	ETX	DC3	#	3	C	S	c	s
4	EOT	DC4	$	4	D	T	d	t
5	ENQ	NAK	%	5	E	U	e	u
6	ACK	SYN	&	6	F	V	f	v
7	BEL	ETB	‘	7	G	W	g	w
8	BS	CAN	(	8	H	X	h	x
9	HT	EM	)	9	I	Y	i	y
A	LF	SUB	*	:	J	Z	j	z
B	VT	ESC	+	;	K	[	k	{
C	FF	FS	,	<	L	\	l	|
D	CR	GS	-	=	M	]	m	}
E	SO	RS	.	>	N	^	n	~
F	SI	US	/	?	O	_	o	DEL