Barcode reader setup manual

Setup procedures are as follows：

1．**Scan "Begin setting"**

2．**Scan your required function and its corresponding barcode**

3．**Scan "End setting"**

4．**All the setting parameters will be saved after scanning "Save setting parameter"**

5．**All the settings will be returned to the manufacture default parameters after scanning "Setup the manufacture parameters"**

Attention：

1．**This manual is available for a special barcode reader which produced by our company**

2．**The symbol'*'means default condition**

3．**All the settings will be saved after scanning "Save the setting parameters" barcode if needed, otherwise the settings will be missing and return to the last settings that you saved after off power**
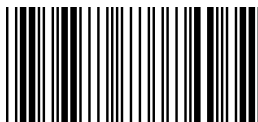
Setup main menu

Begin setting   End setting

||||||||||||||||||||

Cancel setting

||||||||||||||||||||

Return to the manufacture setting

||||||||||||||||||||

Save setting parameter

||||||||||||||||||||

Return to the saved setting parameter

||||||||||||||||||||

Interfaces setup

*Keyboard wedge

||||||||||||||||||||

RS232

||||||||||||||||||||

Emulational lightpen

||||||||||||||||||||

OCIA

||||||||||||||||||||

USB

||||||||||||||||||||

Memory function

*ON   OFF

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||||||||||||||||||||||||||                    ||||||||||||||||||||||||||
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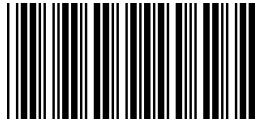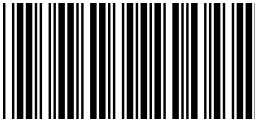
Read mode setup

*Turn off light source after reading   Trigger ON/OFF

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```
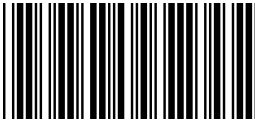
Continue scan/Trigger Disable   Twinkle

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||||||||||||||||||||||||||                    ||||||||||||||||||||||||||
```
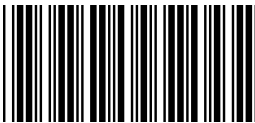
Continue scan/Auto-inductive Enable   Twinkle/ Auto- inductive Enable

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||||||||||||||||||||||||||                    ||||||||||||||||||||||||||
```
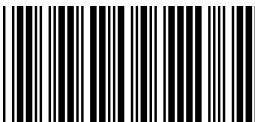
Note：

　　1．Trigger ON/OFF：Light source will shine when press switch，otherwise light source won't shine, Keep pressing until read some information, then the light source will go out.

　　2．Continue scan/Trigger Disable：The same information will be only read once unless move to other information, then move the reader to the barcode again and scan.

　　3．Twinkle：The same information will be only read once unless move to other information, then move the reader to above of the barcode/no information in front of the reader, the light source will start to twinkle in 6 seconds.

　　4．Continue scan/Auto-inductive Enable：The same information will be only read once unless move to other information, then move the scanner to the barcode again and read. In addition, power supply turns
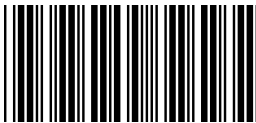
on automatically and light source keeps long shine。The switch can't control power supply。

5、Twinkle/Auto-inductive Enable。The same information will be only read once unless move to other information, light source will start to twinkle in 6 seconds。The switch can control power supply。
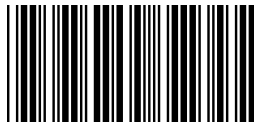
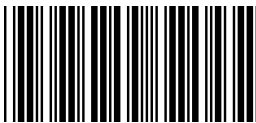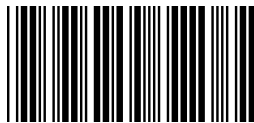**RS232 parameters setup**

Baud rate

600	1200

2400	4800

*9600	19200

38400

Data bit

7   *8

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```
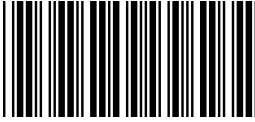
Stop bit
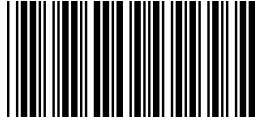
*1   2

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||||||||||||||||||||||||||          ||||||||||||||||||||||||||
```
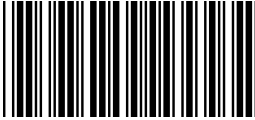
Parity bit
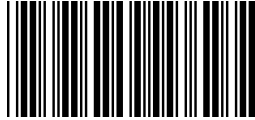
*None   Even

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||||||||||||||||||||||||||          ||||||||||||||||||||||||||
```
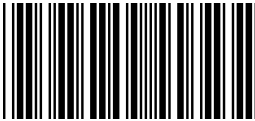
Odd   Mark

```
||||||||||||||||||||||||||          ||||||||||||||||||||||||||
```
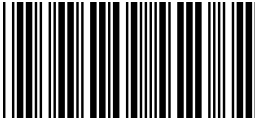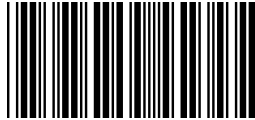
Space

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||||||||||||||||||||||||||
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Handshake protocol

Note：Exchange pre-setup control signals or charactes' programme when
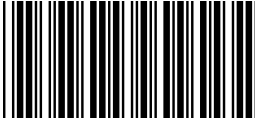   two installations or systems build connections.）

RTS/CTS Enable   *RTS/CTS Disable
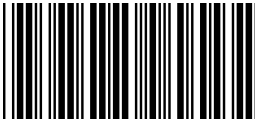
||||||||||||||||||||||

ACK/NAK Enable

||||||||||||||||||||||

*ACK/NAK Disable

||||||||||||||||||||||

XON/OFF Enable

||||||||||||||||||||||

*XON/OFF Disable

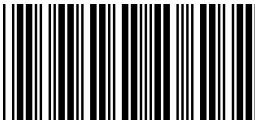||||||||||||||||||||||

||||||||||||||||||||||

Keyboard wedge parameters setup
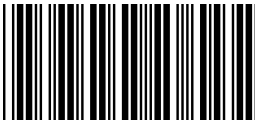
Terminal types

*IBM PC/AT,PS/2

IBM PC/XT

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||||||||||||||||||||||

IBM PS/2 25,30

NEC 9800

||||||||||||||||||||||

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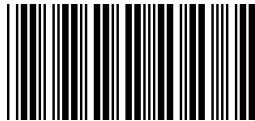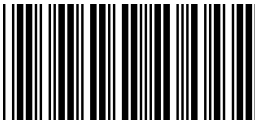
Apple Desktop Bus(ADB)

IBM 5550

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IBM 122 Key (1)

IBM 102 Key

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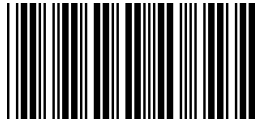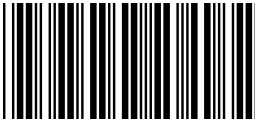
IBM 122 Key (2)

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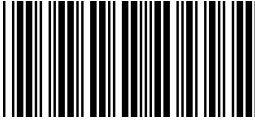
Capital/small letter

*Non-change

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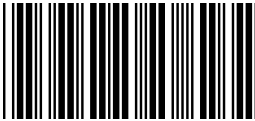
Capital

‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖
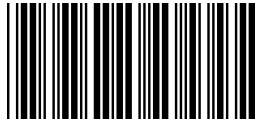
Small letter

‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖
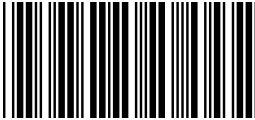
ALT mode

ON

‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖

*OFF

‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖

Explanation：

ALT keystroke function：When this function is ON, the original setting character model of barcode will not be changed in spite of the keyboard lock is ON or OFF, that's to say this function will not be affected by the keyboard lock, but it's only available for PC.

Figure keystrokes

ON   *OFF

|||||||||||||||||||||||||||||||| ||||||||||||||||||||||||||||||||

Explanation：

Figure keystrokes：Output by figure keystrokes' scanning barcode after this function is ON.

Output charaters parameters definition

End symbol

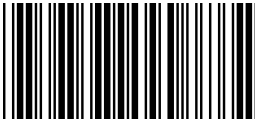*CR+LF   None

|||||||||||||||||||||||||||||||| ||||||||||||||||||||||||||||||||

CR   LF

|||||||||||||||||||||||||||||||| ||||||||||||||||||||||||||||||||

Space   HT(TAB)

|||||||||||||||||||||||||||||||| ||||||||||||||||||||||||||||||||

STX-ETX

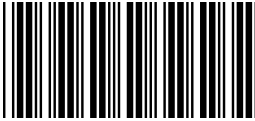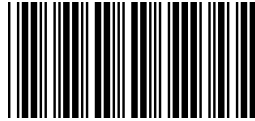||||||||||||||||||||||||||||||

Explanation：

STX-ETX： Only available for RS-232. Add STX's ASCII before output barcode and ETX's ASCII after output barcode
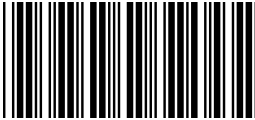
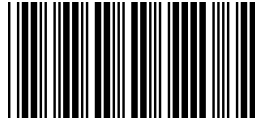**Intercharacter time-delay**

*0 millisecond

||||||||||||||||||||||||||||||

5 millisecond

||||||||||||||||||||||||||||||

10 millisecond

||||||||||||||||||||||||||||||

25 millisecond

||||||||||||||||||||||||||||||

50 millisecond

||||||||||||||||||||||||||||||

100 millisecond

||||||||||||||||||||||||||||||

200 millisecond

||||||||||||||||||||||||||||||

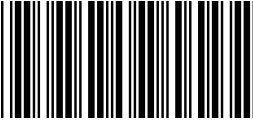300 millisecond

||||||||||||||||||||||||||||||

Explanation：

Put off the time of intercharacter transmission

Emulational lightpen parameters definition

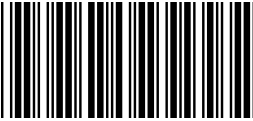**TTL signal statement**

*BAR denotes high electric frenquency

||||||||||||||||||||||||||||||

BAR denotes low electric frenquency

||||||||||||||||||||||||||||||

Scan rate

*Fast   Slow

|||||||||||||||||||||||||||||| ||||||||||||||||||||||||||||||
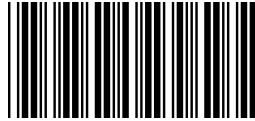
Output format
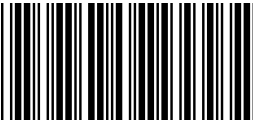
*CODE 39   CODE 39 corpora

|||||||||||||||||||||||||||||| ||||||||||||||||||||||||||||||

Output original barcode format

||||||||||||||||||||||||||||||

Explanation：Output by CODE39

Barcode parameters definition

Choose identified barcode
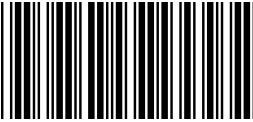
*UPC-A Enable   Disable

*UPC-E Enable   Disable
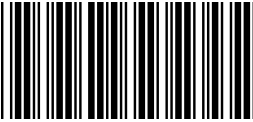
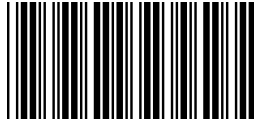*EAN-13/JAN-13 Enable   Disable
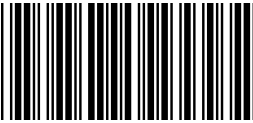
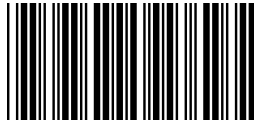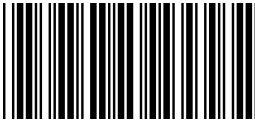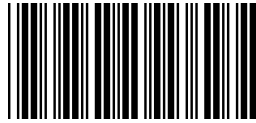*EAN-8/JAN-8 Enable   Disable

*CODE 39 Enable   Disable

*CODE 128 Enable   Disable

||||||||||||||||||||

*CODEBAR/NW7 Enable

||||||||||||||||||||

Disable

||||||||||||||||||||
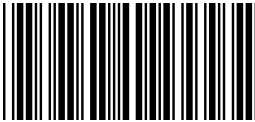
*Interleave 25 Enable

||||||||||||||||||||

Disable

||||||||||||||||||||
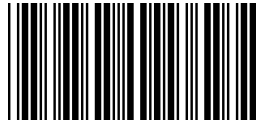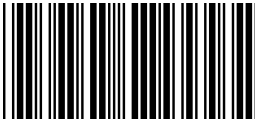
Industial 25 Enable

||||||||||||||||||||
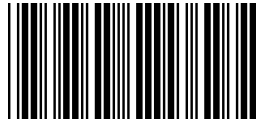
* Disable

||||||||||||||||||||
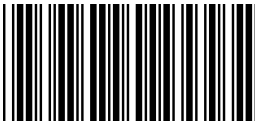
Matrix 25 Enable

||||||||||||||||||||
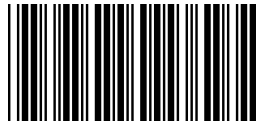
* Disable

||||||||||||||||||||
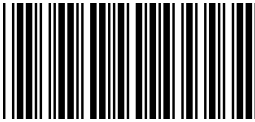
CODE 93 Enable

||||||||||||||||||||
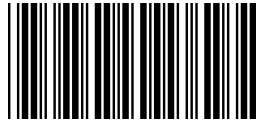
* Disable

||||||||||||||||||||
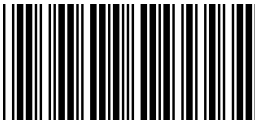
CODE 11 Enable

||||||||||||||||||||
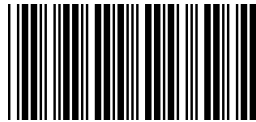
* Disable

||||||||||||||||||||

China post Enable

||||||||||||||||||||

* Disable

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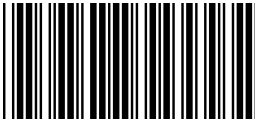
MSI/PLESSEY Enable   * Disable

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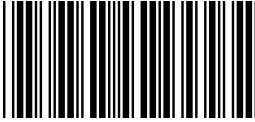
BC412 Enable   * Disable

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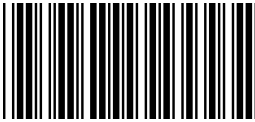
CODE 2 OF 6 Enable   * Disable

‖‖‖‖‖‖‖‖‖‖‖‖
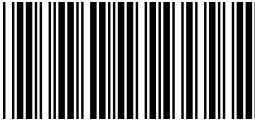
TELEPEN Enable   * Disable

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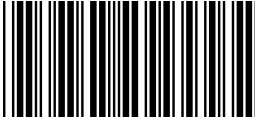
All barcodes Enable

‖‖‖‖‖‖‖‖‖‖‖‖

UPC/EAN/JAN parameters definition

Choose barcode types

UPC-A=EAN 13 Enable   *Disable
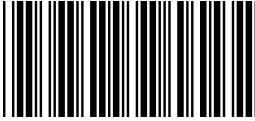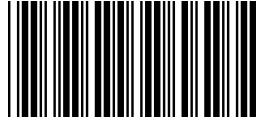
ISBN Enable   * Disable
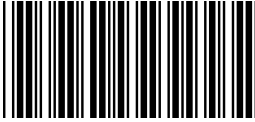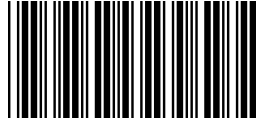
ISSN Enable   * Disable
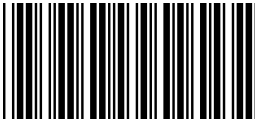
With complementary bit decode Enable

*Auto-identify complementary bit

Complementary bit setup

*No transmit   Transmit 2 charaters

Transmit 5 charaters   Transmit 2 or 5 charaters

||||||||||||||||||||||||
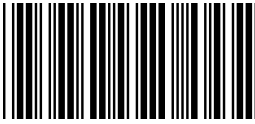
UPC-A transmit parity bit Enable   Disable
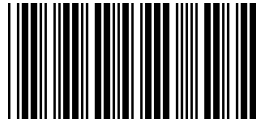
||||||||||||||||||||||||

UPC-E transmit parity bit Enable   Disable
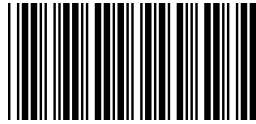
||||||||||||||||||||||||
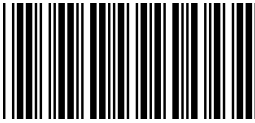
EAN-8 transmit parity bit Enable   Disable
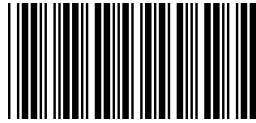
||||||||||||||||||||||||

EAN-13 transmit parity bit Enable   Disable
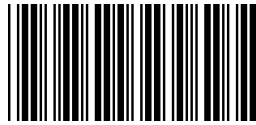
||||||||||||||||||||||||
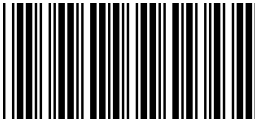
ISSN transmit parity bit Enable   Disable
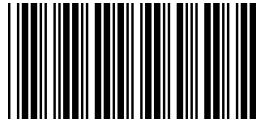
||||||||||||||||||||||||
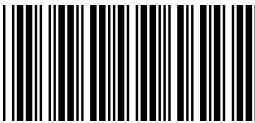
CODE 39 parameters definition

Choose barcode types

*Standard   CODE39 Corpora

|||||||||||||||||||||||||||||||||||||| ||||||||||||||||||||||||||||||||||||||
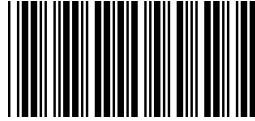
*Italy Medicine Bureau barcode Disable

||||||||||||||||||||||||||||||||||||||
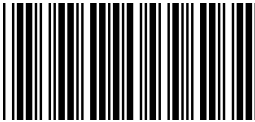
Italy Medicine Bureau barcode Enable

||||||||||||||||||||||||||||||||||||||

Transmit parity bit setup

*No calculate parity bit   Calculate parity bit

|||||||||||||||||||||||||||||||||||||| ||||||||||||||||||||||||||||||||||||||
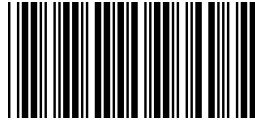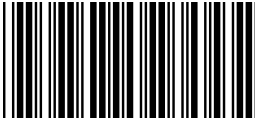
Calculate parity bit，No transmit

||||||||||||||||||||||||||||||||||||||

Output begin/end character setup（begin/end are'*'）

ON   *OFF

|||||||||||||||||||||||||||||||||||||| ||||||||||||||||||||||||||||||||||||||
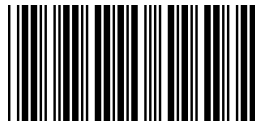
Decoding symbol"*"（CODE 39）

ON   *OFF

|||||||||||||||||||||||| ||||||||||||||||||||||||

Barcode length setup

*Non-fixed length

||||||||||||||||||||||||

Fixed length（Be able to setup two groups）

1 ） Gruoup 1 Begin   2 ） Algorism number （ Appendix A ）

||||||||||||||||||||||||

3）Gruoup 1 End

||||||||||||||||||||||||

1）Gruoup 2 Begin   2） Algorism number（Appendix A）

||||||||||||||||||||||||

3）Gruoup 2 End

||||||||||||||||||||||||

Minimum length

1．Begin   2． Algorism number（Appendix A）

||||||||||||||||||||||||

3．End

||||||||||||||||||||||||
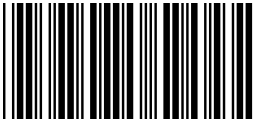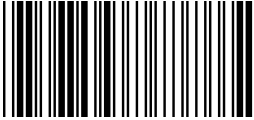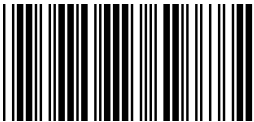
Explanation：

1．'Non-fixed length'denotes that output characters are the same as barcode characters and no limiting

2．'Fixed length'denotes that the setting barcode length is fixed, barcode characters are the same as the set value, otherwise output will be disable

3．'Minimum length'setup characters' minimum length. Output will be disable if the set value is less than it.

CODE 128 parameters definition

Transmit parity bit setup

No calculate parity bit   Calculate and transmit parity bit

|||||||||||||||||||||||| ||||||||||||||||||||||||

*Calculate parity bit，no transmit

```
||||||||||||||||||||||||||||||||
```

Append NC2 setup

ON   *OFF

```
||||||||||||||||||||||||||||||||          ||||||||||||||||||||||||||||||||
```

Explanation：

'FNC2'is CODE128 special cluster-connected function

   Setup'ON'means to read CODE 128 and be able to cluster-connect next CODE128

   Setup'OFF'means to just read the odd CODE 128

Barcode length setup

*Non-fixed length

```
||||||||||||||||||||||||||||||||
```

Fixed length（Be able to setup two groups）

1．Group 1 Begin   2． Algorism number（Appendix A）

```
||||||||||||||||||||||||||||||||
```

3．Group 1 End

||||||||||||||||||||||||

1．Group 2 Begin   2． Algorism number（Appendix A）

||||||||||||||||||||||||

3．Group 2   End

||||||||||||||||||||||||

Minimum length

1．Begin   2． Algorism number（Appendix A）

||||||||||||||||||||||||

3．End

||||||||||||||||||||||||
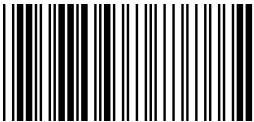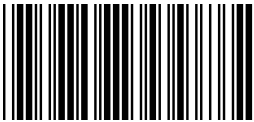
Explanation：

1．'Non-fixed length'denotes that output characters are the same as barcode characters and no limiting

2．'Fixed length'denotes that the setting barcode length is fixed, barcode characters are the same as the set value, otherwise output will be disable

3．'Minimum length'sets characters' minimum length. Output will be disable if the set value is less than it.

INTERLEAVE 25 parameter definition

Transmit parity bit setup

*No calculate parity bit

```
|||||||||||||||||||||||||||||
```

Calculate and transmit parity bit

```
|||||||||||||||||||||||||||||
```

Calculate parity bit, no transmit

```
|||||||||||||||||||||||||||||
```

Parity number setup

*Even

```
|||||||||||||||||||||||||||||
```

Odd

```
|||||||||||||||||||||||||||||
```

Brazil bank barcode

*OFF

```
|||||||||||||||||||||||||||||
```

ON

```
|||||||||||||||||||||||||||||
```

Barcode length setup

*Non-fixed length

```
|||||||||||||||||||||||||||||
```

Fixed length（Be able to setup two groups）

1、Group 1 Begin   2、 Algorism number（Appendix A）

||||||||||||||||||||||||||||||||||||||

3、Group 1 End

||||||||||||||||||||||||||||||||||||||

1、Group 2 Begin   2、Algorism number（Appendix A）

||||||||||||||||||||||||||||||||||||||

3、Group 2 End

||||||||||||||||||||||||||||||||||||||

Minimum length

1、Begin   2、 Algorism number（Appendix A）

||||||||||||||||||||||||||||||||||||||

3、End

||||||||||||||||||||||||||||||||||||||

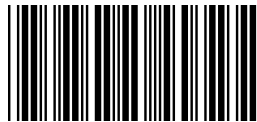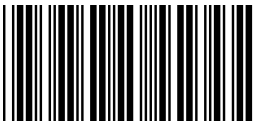**Explanation：**1、'Non-fixed length'denotes that output characters are the same as barcode characters and no limiting

2、'Fixed length'denotes that the setting barcode length is fixed, barcode characters are the same as the set value, otherwise output will be disable

3 、' Minimum length'sets characters' minimum length. Output will be

disable if the set value is less than it.

INDUSTRIAL 25 Parameter definition

Transmit parity bit setup

*No calculate parity bit

||||||||||||||||||||||||||

Calculate and transmit parity bit

||||||||||||||||||||||||||

Calculate parity bit，no transmit

||||||||||||||||||||||||||

Barcode length setup
*Non-fixed length

||||||||||||||||||||||||||

Fixed length（**Be able to setup two groups**）

1 ） Group 1 Begin   2 ） Algorism number （ Appendix A ）

||||||||||||||||||||||||||

3）Group 1 End

||||||||||||||||||||||||||

1）Group 2 Begin   2）Algorism number（Appendix A）

||||||||||||||||||||||||||||||||

3、Group 2 End

||||||||||||||||||||||||||||||||

Minimum length

1、Begin   2、 Algorism number（Appendix A）

||||||||||||||||||||||||||||||||

3、End

||||||||||||||||||||||||||||||||

Explanation：

 1 、'Non-fixed length'denotes that output characters are the same as barcode characters and no limiting

2、'Fixed length'denotes that the setting barcode length is fixed, barcode characters are the same as the set value, otherwise output will be disable

3 、'Minimum length'sets characters' minimum length. Output will be disable if the set value is less than it.

MARRIX 25 Parameter definition

Transmit parity bit setup

*No calculate parity bit   Calculate and transmit parity bit

‖‖‖‖‖‖‖‖‖‖‖‖‖‖   ‖‖‖‖‖‖‖‖‖‖‖‖‖‖

Calculate parity bit，no transmit

‖‖‖‖‖‖‖‖‖‖‖‖‖‖

Barcode length setup

*Non-fixed length

‖‖‖‖‖‖‖‖‖‖‖‖‖‖

Fixed length（**Be able to setup two groups**）

1．Group 1　Begin　　　　2．　Algorism　number（Appendix　A）．

‖‖‖‖‖‖‖‖‖‖‖‖‖‖

3．Group 1　End

‖‖‖‖‖‖‖‖‖‖‖‖‖‖

1．Group 2　Begin　　　2．Algorism number（Appendix A）
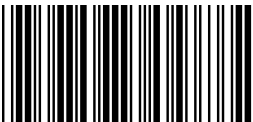
‖‖‖‖‖‖‖‖‖‖‖‖‖‖

3．Group 2　End

Minimum length

1、Begin   2、Algorism number（Appendix A）

3、End

Explanation：

1、'Non-fixed length'denotes that output characters are the same as barcode characters and no limiting

2、'Fixed length'denotes that the setting barcode length is fixed, barcode characters are the same as the set value, otherwise output will be disable

3、'Minimum length'sets characters' minimum length. Output will be disable if the set value is less than it

CODABAR/NW7 Parameter definition

Begin/End character setup before transmitting

ON   *OFF

Begin/End character definition

A/B/C/D Begin

||||||||||||||||||||||||||||||

A/B/C/D End

||||||||||||||||||||||||||||||

A Begin

||||||||||||||||||||||||||||||

A End

||||||||||||||||||||||||||||||

B Begin

||||||||||||||||||||||||||||||

B End

||||||||||||||||||||||||||||||

C Begin

||||||||||||||||||||||||||||||

C End

||||||||||||||||||||||||||||||

D Begin

||||||||||||||||||||||||||||||

D End

||||||||||||||||||||||||||||||

Barcode length setup

*Non-fixed length

||||||||||||||||||||||||||||||

Fixed length（Be able to setup two groups）

1 ） Group 1 Begin   2 ） Algorism number （ Appendix A ）

```
|||||||||||||||||||||||||||||||||
```

3）Group 1 End

```
|||||||||||||||||||||||||||||||||
```

1）Group 2 Begin   2） Algorism number（Appendix A）

```
|||||||||||||||||||||||||||||||||
```

3）Group 2 End

```
|||||||||||||||||||||||||||||||||
```

Minimum length

1）Begin   2） Algorism number（Appendix A）

```
|||||||||||||||||||||||||||||||||
```

3）End

```
|||||||||||||||||||||||||||||||||
```

Explanation：

1 ）'Non-fixed length'denotes that output characters are the same as barcode characters and no limiting

2、'Fixed length'denotes that the setting barcode length is fixed, barcode characters are the same as the set value, otherwise output will be disable

3 、'Minimum length'sets characters' minimum length. Output will be disable if the set value is less than it

CODE 93 Parameter definition

Transmit parity bit

Calculate 2 parity bits，no transmit   No calculate parity bit

Barcode length setup

*Non-fixed length

Fixed length（Be able to setup two groups）

1 、 Group 1 Begin   2 、 Algorism number （ Appendix A ）

3、Group 1 End

1、Group 2 Begin   2、 Algorism number（Appendix A）

‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖

3．Group 2 End

‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖

Minimum length

1．Begin   2． Algorism number（Appendix A）

‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖

3．End

‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖‖

Explanation：

1．'Non-fixed length'denotes that output characters are the same as barcode characters and no limiting

2．'Fixed length'denotes that the setting barcode length is fixed, barcode characters are the same as the set value, otherwise output will be disable

3．'Minimum length'sets characters' minimum length. Output will be disable if the set value is less than it.

CODE 11 Parameter definition

Transmit parity bit setup

*No calculate parity bit   Calculate and transmit one parity bit

|||||||||||||||||||||||||||| ||||||||||||||||||||||||||||
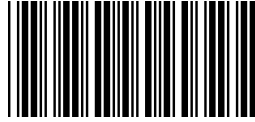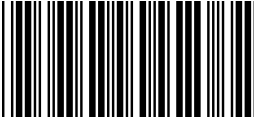
Calculate one parity bit，no transmit

||||||||||||||||||||||||||||
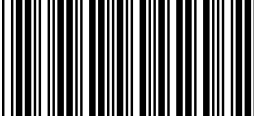
Calculate and transmit two parity bits

||||||||||||||||||||||||||||
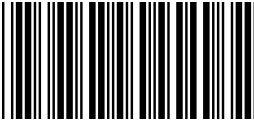
Calculate two parity bit，no transmit

||||||||||||||||||||||||||||

Barcode length setup

*Non-fixed length

||||||||||||||||||||||||||||

Fixed length（**Be able to setup two groups**）

1 ） Group 1 Begin   2 ） Algorism number （ Appendix A ）

||||||||||||||||||||||||||||

3）Group 1 End

||||||||||||||||||||||

1、Group 2 Begin   2、 Algorism number（Appendix A）

||||||||||||||||||||||

3、Group 2 End

||||||||||||||||||||||

Minimum length

1、Begin   2、 Algorism number（Appendix A）

||||||||||||||||||||||

3、End

||||||||||||||||||||||
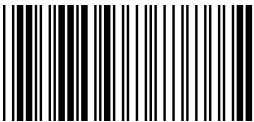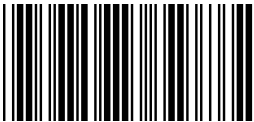
Explanation：

1 、' Non-fixed length'denotes that output characters are the same as barcode characters and no limiting

2、'Fixed length'denotes that the setting barcode length is fixed, barcode characters are the same as the set value, otherwise output will be disable

3 、' Minimum length'sets characters' minimum length. Output will be disable if the set value is less than it.

MSI/PLESSEY Parameter definition

Transmit parity bit setup

*No calculate parity bit

||||||||||||||||||||||||||

Calculate and transmit parity bit

||||||||||||||||||||||||||

Calculate parity bit，no transmit

||||||||||||||||||||||||||

Barcode length setup

*Non-fixed length

||||||||||||||||||||||||||

Fixed length，Be able to setup two groups：

1、Group 1 Begin

||||||||||||||||||||||||||

2、Algorism number （Appendix A ）

3、Group 1 End

||||||||||||||||||||||||||

1）Group 2 Begin   2） Algorism number（Appendix A）

||||||||||||||||||||||||||||||||||

3）Group 2 End

||||||||||||||||||||||||||||||||||

Minimum length

1）Begin   2） Algorism number（Appendix A）

||||||||||||||||||||||||||||||||||

3）End

||||||||||||||||||||||||||||||||||

Explanation：

1 、'Non-fixed length'denotes that output characters are the same as barcode characters and no limiting

2、'Fixed length'denotes that the setting barcode length is fixed, barcode characters are the same as the set value, otherwise output will be disable

3 、'Minimum length'sets characters' minimum length. Output will be disable if the set value is less than it.

BC 412 Parameter definition

No calculate parity bit   *Calculate and transmit parity bit

|||||||||||||||||||||||| ||||||||||||||||||||||||

Calculate parity bit，no transmit

||||||||||||||||||||||||

Barcode length setup

*Non-fixed length

||||||||||||||||||||||||

Fixed length（Be able to setup two groups）
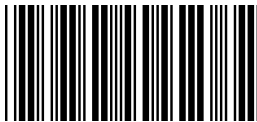
1 、 Group 1 Begin   2 、 Algorism number（Appendix A）

||||||||||||||||||||||||

3、Group 1 End

||||||||||||||||||||||||

1、Group 2 Begin   2、Algorism number（Appendix A）

||||||||||||||||||||||||

3、Group 2 End

||||||||||||||||||||||||||||||||||||||||

Minimum length

1、Begin   2、Algorism number（Appendix A）

||||||||||||||||||||||||||||||||||||||||

3、End

||||||||||||||||||||||||||||||||||||||||
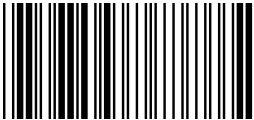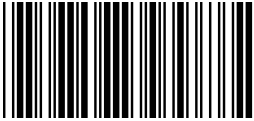
Explanation：

1 、' Non-fixed length'denotes that output characters are the same as barcode characters and no limiting

2、'Fixed length'denotes that the setting barcode length is fixed, barcode characters are the same as the set value, otherwise output will be disable

3 、' Minimum length'sets characters' minimum length. Output will be disable if the set value is less than it.

CODE 2 OF 6 PARAMETERS

Transmit parity bit setup

No calculate parity bit   *Calculate and transmit parity bit

|||||||||||||||||||||||||||||||||||||||| ||||||||||||||||||||||||||||||||||||||||

Calculate parity bit，no transmit

||||||||||||||||||||||||||||

Barcode length setup

*Non-fixed length

||||||||||||||||||||||||||||

Fixed length（**Be able to setup two groups**）

1 ： Group 1 Begin   2 ： Algorism number （ Appendix A ）

||||||||||||||||||||||||||||

3：Group 1 End

||||||||||||||||||||||||||||

1：Group 2 Begin   2：Algorism number（Appendix A）

||||||||||||||||||||||||||||

3：Group 2 End

||||||||||||||||||||||||||||

Minimum length

1、Begin   2、 Algorism number（Appendix A）

||||||||||||||||||||||||||||||

3、End

||||||||||||||||||||||||||||||
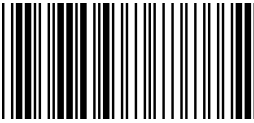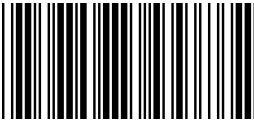
Explanation：

1．'Non-fixed length'denotes that output characters are the same as barcode characters and no limiting

2．'Fixed length'denotes that the setting barcode length is fixed, barcode characters are the same as the set value, otherwise output will be disable
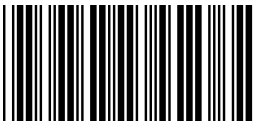
3．'Minimum length'sets characters' minimum length. Output will be disable if the set value is less than it.

TELEPEN Parameter definition

Choose barcode type

TELEPEN character corpora   TELEPEN figure corpora

|||||||||||||||||||||||||||||| ||||||||||||||||||||||||||||||

Transmit parity bit setup

No calculate parity bit   Calculate and transmit parity bit

|||||||||||||||||||||||||||||| ||||||||||||||||||||||||||||||

Calculate parity bit，no transmit

||||||||||||||||||||||||||||

Barcode length setup

*Non-fixed length

||||||||||||||||||||||||||||

Fixed length（Be able to setup two groups）

1 ） Group 1   Begin   2 ） Algorism number （ Appendix A ）

||||||||||||||||||||||||||||

3）Group 1 End

||||||||||||||||||||||||||||

1）Group 2 Begin   2） Algorism number（Appendix A）

||||||||||||||||||||||||||||

3）Group 2 End

||||||||||||||||||||||||||||

Minimum length

1、Begin   2、Algorism number（Appendix A）

||||||||||||||||||||||||||||||||

3、End

||||||||||||||||||||||||||||||||

Explanation：

1 、'Non-fixed length'denotes that output characters are the same as barcode characters and no limiting

2、'Fixed length'denotes that the setting barcode length is fixed, barcode characters are the same as the set value, otherwise output will be disable

3 、'Minimum length'sets characters' minimum length. Output will be disable if the set value is less than it.

Integrative parameter definition
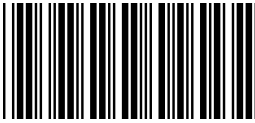
Language choice

*American English

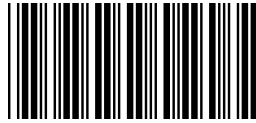||||||||||||||||||||||||||||||||

British English

||||||||||||||||||||||||||||||||

Italian

||||||||||||||||||||||||||||||||

Spanish

||||||||||||||||||||||||||||||||

French   German

||||||||||||||||||||

Swedish

||||||||||||||||||||

Switzerland tongue

||||||||||||||||||||
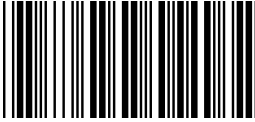
Mungarian

||||||||||||||||||||

Japanese

||||||||||||||||||||
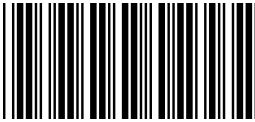
Belgium tongue

||||||||||||||||||||
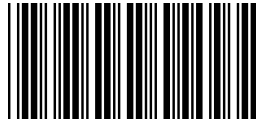
Portuguese

||||||||||||||||||||
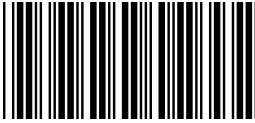
Denish

||||||||||||||||||||

Dutch

||||||||||||||||||||
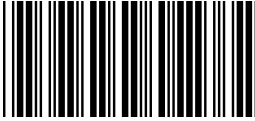
Turkish

Barcode distinguishing symbol definition

ON   *OFF

||||||||||||||||||||

Default parameter

||||||||||||||||||||||||||||||

Explanation：

When this function is ON, there is a character which appends after decoding code and before code each time. You can judge the barcode type which are decoded according to the following representations.

Barcode type   Identifier   Barcode type   Identifier
UPC-A   A   UPC-E   B
EAN-8   C   EAN-13   D
CODE 39   E   CODE-128   F
INTERLEAVE 25 G   INDUSTRIAL 25   H
MATRIX 25   I   CODABAR/NW7   J
CODE 93   K   CODE 11   L
China post barcode M   MSI/PLESSEY   N
BC412   O   CODE 2 OF 6   P
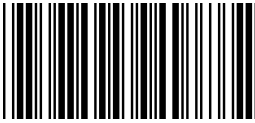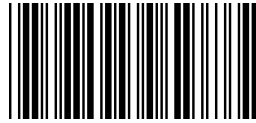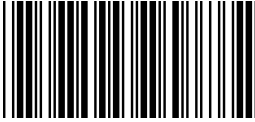TELEPEN   T

UPC-A   UPC-E

|||||||||||||||||||||||||||||| ||||||||||||||||||||||||||||||

EAN-13/JAN-13   EAN-8/JAN-8

|||||||||||||||||||||||||||||| ||||||||||||||||||||||||||||||

CODE 39   CODE 128

|||||||||||||||||||||||||||||| ||||||||||||||||||||||||||||||

CODABAR/NW7   INTERLEAVE 25

||||||||||||||||||||||||

INDUSTRIAL 25

||||||||||||||||||||||||

MATRIX 25

||||||||||||||||||||||||

CODE 93

||||||||||||||||||||||||

CODE 11

||||||||||||||||||||||||

China post barcode

||||||||||||||||||||||||

MSI/PLESSEY

||||||||||||||||||||||||

BC412

CODE 2 OF 6

||||||||||||||||||||||||

TELEPEN

||||||||||||||||||||||||

CODE 2 OF 6

||||||||||||||||||||||||
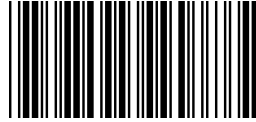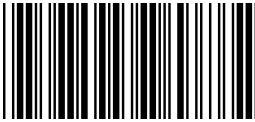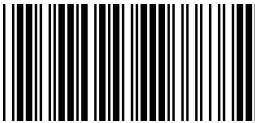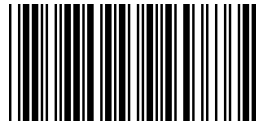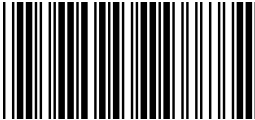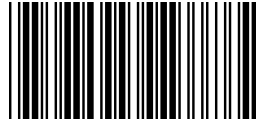
Precision definition

*Once

Twice

||||||||||||||||||||||||

||||||||||||||||||||||||

3 Times

4 Times

```
||||||||||||||||||||||||||                    ||||||||||||||||||||||||||
```

Explanation：The delayed time between two data output

1. Reduce the rate of mis-decoding.
2. This option is repeating decoding times. The more decoding, the more accurate of output information ，but the time of decoding will increase accordingly at the same time.

Beep volume definition

*High   Medium

```
||||||||||||||||||||||||||                    ||||||||||||||||||||||||||
```

Low   OFF

```
||||||||||||||||||||||||||                    ||||||||||||||||||||||||||
```

Continue distinguish delicacy definition

*Fast   Slow

```
||||||||||||||||||||||||||                    ||||||||||||||||||||||||||
```

Explanation：

Fast，Slow is the decoder speed under continue mode.

Notebook function definition

ON   *OFF

‖‖‖‖‖‖‖‖‖‖‖‖   ‖‖‖‖‖‖‖‖‖‖‖‖

Inverted output character definition

*OFF   ON

‖‖‖‖‖‖‖‖‖‖‖‖   ‖‖‖‖‖‖‖‖‖‖‖‖
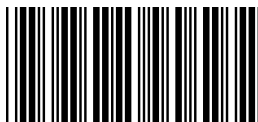
Explanation：

　　　Barcode data will be output in inverted.

For example，a barcode data is：12345, the output result is 54321 when the function is ON..

Delete output character definition
Setup deleting character

Setup a certain barcode，Be able to setup 6 groups data in total simultaneously：

Delete some characters from start with a certain characters.

According to the following steps:

1、 Scan corresponding group barcode；

2、 Scan corresponding barcode type；

3、 Scan the barcode of representating "delete character location" in appendix A；

4、 Scan the "end " barcode of "deleting character location"；

5、 Scan the barcode of representating "delete character quantity" in

appendix A。

6、 Scan the "end" barcode of "deleting character quantity"。

7、 Repeat the above steps ， you can setup another group deleting definition.

Choose deleting group definition

Gruoup 1

Group 2

Group 3

Group 4

Group 5

Group 6

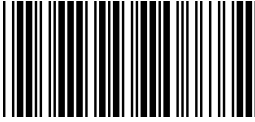**Choose barcode type definition**
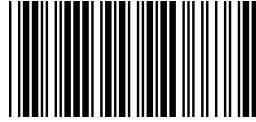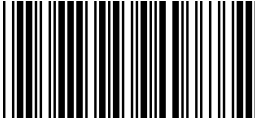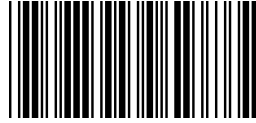
UPC-A

UPC-E

EAN-13/JAN-13

EAN-8/JAN-8

CODE 39

CODE 128

||||||||||||||||||||||||||||

CODABAR/NW7

||||||||||||||||||||||||||||

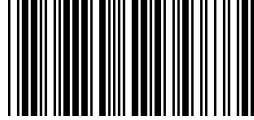INDUSTRIAL 25

||||||||||||||||||||||||||||

CODE 93

||||||||||||||||||||||||||||

China post barcode

||||||||||||||||||||||||||||

BC412

||||||||||||||||||||||||||||

TELEPEN

||||||||||||||||||||||||||||

None

||||||||||||||||||||||||||||

INTERLEAVE 25

||||||||||||||||||||||||||||

MATRIX25

||||||||||||||||||||||||||||

CODE 11

||||||||||||||||||||||||||||

MSI/PLESSEY

||||||||||||||||||||||||||||

CODE 2 OF 6

||||||||||||||||||||||||||||

All barcodes

||||||||||||||||||||||||||||

||||||| (barcode)

Deleting character location

1、Algorism number   2、End

||||||| (barcode)

    (Appendix A)

Delete character quantity

1、Algorism number   2、End

||||||| (barcode)

    (Appendix A)

Insert character definition

Setup inserting characters

Setup a certain barcode（Be able to setup 6 groups data in total simultaneously）

Insert several charaters from start with a certain character

According to the following steps：

1、 Scan corresponding group barcode；

2、 Scan corresponding barcode type；

3、 Scan the barcode of representing "insert character location" in appendix A；

4、 Scan the "end" barcode of "insert character location"；

5、 Scan the barcode of representing "insert character" in appendix B or appendix B；

6、 Scan the "end" barcode of "insert character"；

7 Repeat the above steps, you can setup another group inserting definition.

Choose inserting group definition

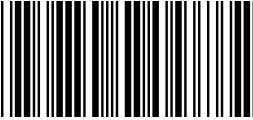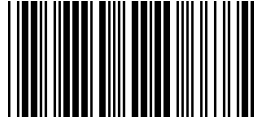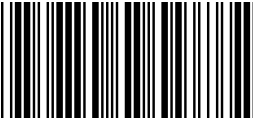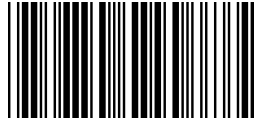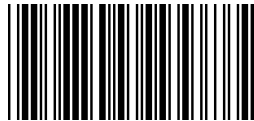Group 1

Group 2

Group 3

Group 4

Group 5

Group 6

Choose barcode type definition

UPC-A

UPC-E

EAN-13/JAN-13

EAN-8/JAN-8

CODE 39
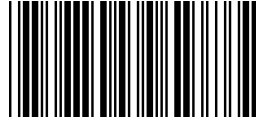
CODE 128

```
|||||||||||||||||||||||||||||              |||||||||||||||||||||||||||||
```

CODABAR/NW7   INTERLEAVE 25

```
|||||||||||||||||||||||||||||              |||||||||||||||||||||||||||||
```

INDUSTRIAL25   MATRIX25

```
|||||||||||||||||||||||||||||              |||||||||||||||||||||||||||||
```

CODE 93   CODE 11

```
|||||||||||||||||||||||||||||              |||||||||||||||||||||||||||||
```

China post barcode   MSI/PLESSEY

```
|||||||||||||||||||||||||||||              |||||||||||||||||||||||||||||
```
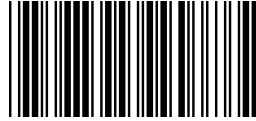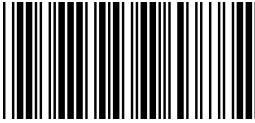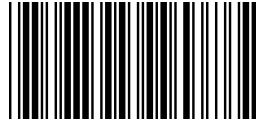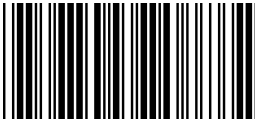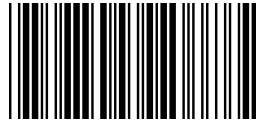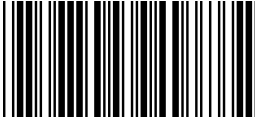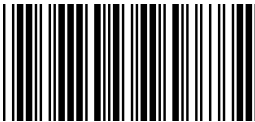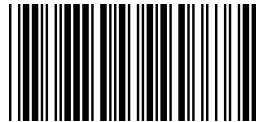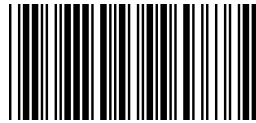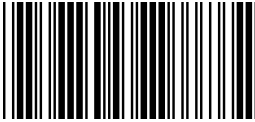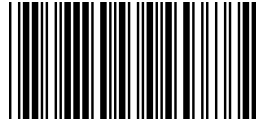
BC 412   CODE 2 OF 6

```
|||||||||||||||||||||||||||||              |||||||||||||||||||||||||||||
```
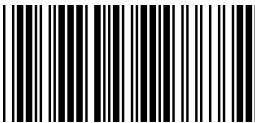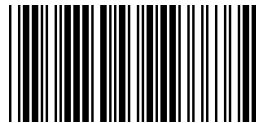
TELEPEN   All barcodes

```
|||||||||||||||||||||||||||||              |||||||||||||||||||||||||||||
```
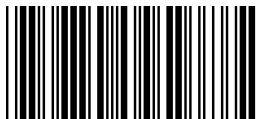
None

Insert character location

1．Algorism number   2．End

（Appendix A）
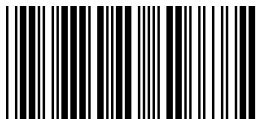
Insert characters

1．ASCII table，Function keys table   2．End

（Appendix B，Appendix C）
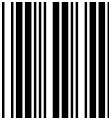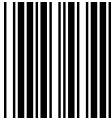
Setup infrared ray inductor
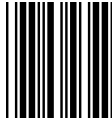
*OFF   ON

Appendix A

Algorism number Table

0

1

2

3

4

5

6

7

8

9

Appendix B

ASCII Table
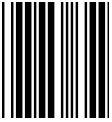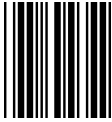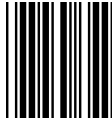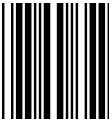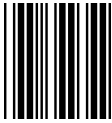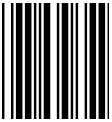
Space

SOH

STX

ETX

ENQ

EOT

ACK
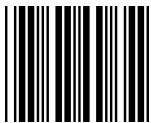
BEL
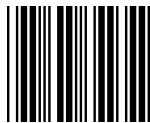
HT

BS

LF

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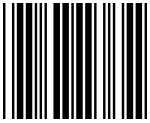
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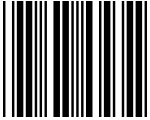
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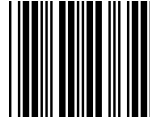
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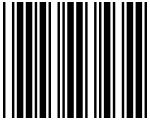
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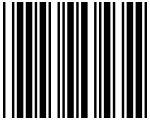
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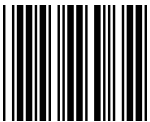
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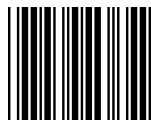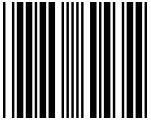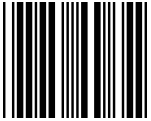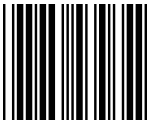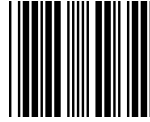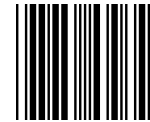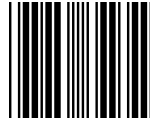
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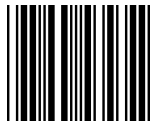
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Function keys Table

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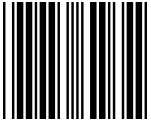
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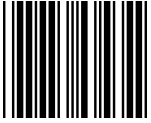
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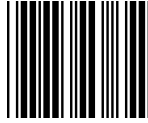
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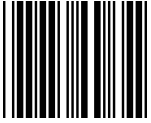
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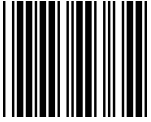
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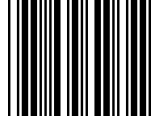
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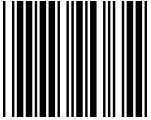
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Appendix D
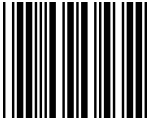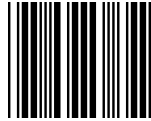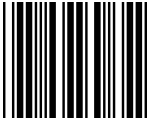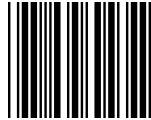
General fault elimination of barcode reader

1. Q: Why will some data be missed out when using Keyboard wedge interface?

   A: There is important relation between Keyboard wedge interface and the receiving speed of host computer. Generally this case arises, it's because the speed of the reader's transmitting data can't cooperate with the host. The solution is to change the character time-delay of the reader.

2. Q: Why are there no data of decoding on the screen or disorderly barcode when using RS232 interface?

   A:

   a、Please confirm if the reader has been setup RS232 interface first

   b、Confirm setup RS232 interface communication parameter is in correspondence with the communication software of the host

   For example   9600, N、8,1

   c. Please confirm if setup handshake protocol

   d. The host need to have communication software which receives data when using RS232 interface, and it can't receive the data from the reader in common documents processing software. If under Microsoft Windows system, you can test it in super terminal.

3. Q: The host can't normally work when using RS232 interface to decode only once?

   A: Please check if the handshake protocol is ON. If handshake protocol is ON, the host has no corresponding communication software, the reader can't continue to work because it has to wait the host's replying data, please try closing the handshake protocol and test

4. Q: Why is there different in skip line when using different software to receive data from the decoder？

   A: Because the reader usually adds a attached character at the end of

decoding data (Terminal setup), this character is so-called controlling character (ASCII 00h-1FH) and not usually displayed on the screen. The receiving software mainly uses it to do the succedent work, so the receiving software will be displayed on the screen not the reader, and so there is different in skip line when using different software, this is normal case. You can change this situation just through modifying the settings of terminal equipment.

5. Q: Why is there no start-up sound after start up power supply?

A: Check if connection wire is in good condition, if the connection wire is OK, please check if the reader's interface is also OK. 〔Suggest the user to test in another connection wire, or test in different equipments and in the same connection wire〕.

6. Q: The reader starts up, but the barcode can't be read or can be read with some difficulty?

A: Choose those barcode with clear printing or easy-to-read to scan. Please test after enactment "setup factory parameter" if sometimes readable or not readable. If the matter exists unceasingly, please look at the inside optics system equipment with eyes (let LED is OFF before looking) to see if there is something dirty attaching the surface of reflector or protection flake, if there is something dirty, get a piece of cotton cloth to wipe it, if the matter still can't be solved, please send it to the manufacturer to mend.

7. Q: Why can't the keyboard work after the reader starts up?

A: Please get another type keyboard or host to test. This is consistent condition if doable; and enactment "setup factory parameter" if undoable, the reader is inserted and pulled afresh or use another wire to test, if the matter still can't be solved, please sent it to the manufacturer to mend.

8. Q: Why can't the reader download/upload data?

A: a. Please first turn on functions of the notebook PC if using the

notebook PC.

b. If using WinNT/2000/XP，please login out, then login in and enactment "setup manufacture parameter" and "save the setting parameter", them exit download model and remove the reader to insert afresh, and perform download function again.

c. Please confirm using correct COM port and communication parameter when using RS232 interface; or check if connection wire is OK; or inquire about software edition and discuss with engineer

d. Please confirm connecting keyboard or replace another keyboard; or test with different operating system; or inquire about software edition and discuss with engineer.

Appendix E

Some common ways to Keep the reader in good condition

1. Keep the protection flake clean
1) Protection flake：It's used for keeping dust or something dirty from entering into the inside reader, so cleaning the protection flake regularly is necessary to ensure accurately reading barcode.
2) The protection flake is not suitable for using rough paper or cloth to wipe.
3) Clean protection flake occasion: Be not able to scan barcode rightly
4) The ways of cleaning protection flake：
   i) Common maintain ways：Get a piece of clean cotton cloth (or a piece of clean paper) with adding a little liquid (clean water. alcohol) to wipe the transparent flake, note: too much liquid will be easily inleak the inside reader and result in damaging the hardware of reader.
   ii) Deep maintain ways
      a. First, get hold of the middle part of the product in left hand, put right hand into the two sides of rubber sheath and take down gently.
      b. Get a piece of clean paper or cotton cloth with adding a little alcohol to swipe gently.
2. The reader noumenon
   1） If the noumenon is dirty, please get a piece of clean cotton cloth with adding a little liquid (clean water, alcohol)to clean out. Note: Too much liquid will be easily inleak the inside reader and result in damaging the hardware of reader.
   2） All parts of the reader noumunon are fixed steadily, but it is quite necessary for users to use it carefully, it will still be damaged if suffered severely impact.
3. The reader's connection wire
   The wire includes data transmission and power supply, it is the bridge between reader and host, the connection wire is specially

produced for barcode reader, its toughness accords with common usage requirement with fireproofing grade. But please pay attention to the following two points when users operate the reader:

1、 Two terminals of wire（the reader port connection，the host port connection）are faintish, although the wire is strengthened structurally, users still need to notice: the connection terminals are often folded or pressed, this will result in breaking the inside wires, so the reader can't work normally.

2、 Two terminals of wire（the reader port connection，the host port connection）are the fixed parts of the wire，Please not pull it forcibly to result in breakage and damage of the wire.