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Introduction

Thank you for selecting Birch barcode input product, CD-108E CCD barcode reader. The reader is equipped with up to date optical technology. It auto-discriminates nearly twenty different kinds of barcode symbologies. Birch also provides other barcode related products to meet your application.

The easily plug and play design of the keyboard wedge interface, provides a flexible solution to your application to explore the magic of the barcode system.

This manual provides an easily method to modify the decoding options and interface protocols of the CD-108E by scanning the barcode in the manual. Before starting, please make sure that the barcode reader is properly powered. For PC keyboard emulation type interface, power is directly come from the system. For RS-232 or other non-PC keyboard emulation type interface, an external power is always needed.

Codes Read

ALL UPC/EAN/JAN , Code 39, Code 39 Full ASCII, Code 128, Interleave 25, Industrial 25, Matrix 25, CODABAR/NW7, Code 11, BC 412,MSI/PLESSEY, Code 93, China Postage, Code 32

Installation

Installing the Keyboard Wedge Reader

To install a keyboard wedge reader, follow the steps below:
1. Turn off the power of the PC or Terminal.
2. Unplug keyboard from the PC or Terminal.
3. Make sure you have the Y Cable with appropriate connector type for your PC or Terminal.
4. Connect Scanner to your PC or Terminal
5. Connect the keyboard connector to the female connector of the Y cable
6. Turn on the power of PC or Terminal.

If the installation is successful , the Green LED light on the top of the reader should light up, and you should hear three beeps from reader.

Installing the RS232 Reader

To install a RS232 reader, follow the steps below :
1. Turn off the power of the PC or Terminal.
2. Make sure the connector type from RS232 to the PC or Terminal is correct.
3. Plug AC Adaptor connector into connector of the reader.
4. Turn on the power of PC or Terminal.
5. Setup the Interface of the reader to RS232 mode by scanning the barcode in the Interface Selection section.

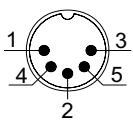
If the installation is successful, the Green LED light on the top of the reader should light up, and you should hear three beeps from reader.

Pin Assignments

1. Keyboard Output

DIN 5 MALE

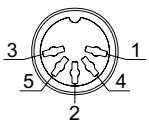
Pin No.	Function
1	HOST CLK
2	HOST DATA
4	GND
5	Vcc(+5V)



DIN 5 Male
Pin Assignment

DIN 5 FEMALE

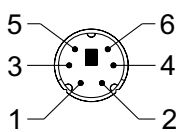
Pin No.	Function
1	KB CLK
2	KB DATA
4	GND
5	Vcc(+5V)



DIN 5 Female
Pin Assignment

MiniDIN 6 MALE

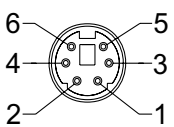
Pin No.	Function
1	HOST DATA
3	GND
4	Vcc
5	HOST CLK



MiniDIN 6 Male
Pin Assignment

MiniDIN 6 FEMALE

Pin No.	Function
1	KB DATA
3	GND
4	Vcc
5	KB CLK

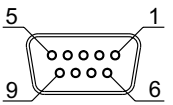


MiniDIN 6 Female
Pin Assignment

Pin Assignments

2. RS-232 Output
DB 9 Female

Pin No.	Function
2	TXD
3	RXD
5	GND
7	CTS
8	RTS
	Power Lead Vcc +5V

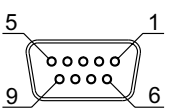


DB 9 Female Pin Assignment

Male DC Jack

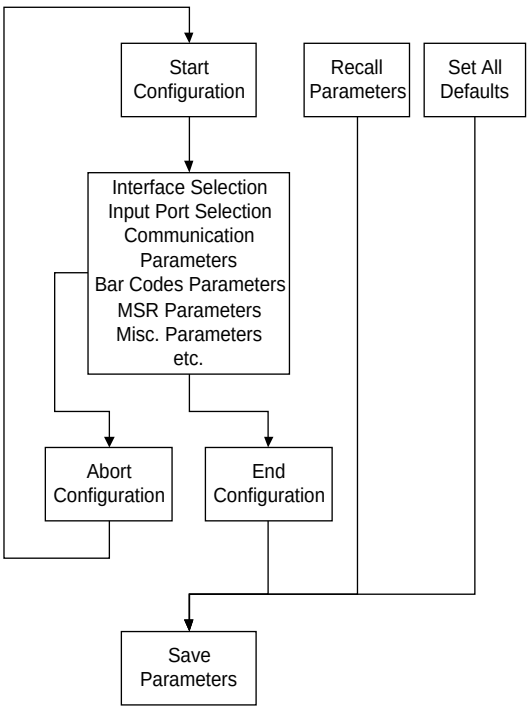
3. WAND Emulation Output
DB 9 Female

Pin No.	Function
2	DATA
7	GND
9	Vcc (+5V)



DB 9 Female Pin Assignment

Setup Flow Chart



Loop of Programming

The philosophy of programming parameters has been shown on the flow chart. Basically user should

1. Scan Start of Configuration.
2. Scan all necessary labels for parameters that meet applications.
3. Scan End of Configuration to end the programming.
4. To permanently save the settings you programmed, just scan label for Save Parameters.
5. To go back to the Default Settings, just scan label for Set All Defaults.

Factory Default Settings

The factory default settings are shown with < > and bold in the following sections. You can make your own settings by following the procedures in this manual. If you want to save the settings permanently, you should scan the label of "Save Parameters" on page 9, otherwise the settings will not be saved after the decoder power is off, and all settings will go back to previous settings.

By scanning "Set All Default" label, the settings will go back to the factory default settings.

Download/Upload Settings

This decoder offers an easy way to config all parameters from RS232 or PC keyboard interface. Just one click to download or upload confiuration data instead of scanning bar codes in this menu.

Scan the Download/Upload bar code below to proceed downloading or uploading.

Download/Upload

Setup Commands

Save Parameters
Save the parameter settings permanently.

Recall Stored Parameters
Replace the current parameters by which you had saved last time.

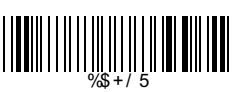
Set All Defaults
Set all the parameters to the factory default settings.

Start Configuration

End Configuration

Abort Configuration
Terminate current programming status.

Version Information
Display the decoder version information and date code.



Start Configuration

Interface Selection

%00U0 **<Keyboard/USB Mode>**

%00U8 RS232 Mode

%00M2 WAND Emulation

%00M4 OCIA Mode

Reading Mode

End Configuration

Reading Mode

<Good Read OFF>

%0271

Trigger ON/OFF

%0270

Continuous/Trigger OFF

%0272

Continuous/No Trigger

%0273

Flash

%0274

Testing

%0275

Reserved1

%0276

Reserved2

%0277

Save Configuration

Start Configuration

RS-232 Communication Parameters

Set Up BAUD Rate

%0Y70 — 600

%0Y71 — 1200

%0Y72 — 2400

%0Y73 — 4800

%0Y77 — **<9600>**

%0Y74 — 19200

Set Up Data Bits

%0Y80 — 7 Data Bits

%0Y88 — **<8 Data Bits>**

Set Up Stop Bits

%0YO8 — **<1 Bit>**

%0YO0 — 2 Bits

RS-232 Communication

End Configuration

RS-232 Communication Parameters

Set Up Parity

<None>

%0YN7

Even

%0YN2

Odd

%0YN3

Mark

%0YN1

Space

%0YN0

Handshaking

RTS/CTS Enable

%0188

<RTS/CTS Disable>

%0180

ACK/NAK Enable

%0144

<ACK/NAK Disable>

%0140

XON/XOFF Enable

%03K4

<XON/XOFF Disable>

%03K0

Save Configuration

Start Configuration

Keyboard Wedge Parameters

Terminal Type


%0ZF0 **<IBM PC/AT, PS/2>**


%0ZF1 IBM PC/XT


%0ZF2 IBM PS/2 25, 30


%0ZF3 NEC 9800


%0ZF4 ADB


%0ZF5 IBM 5550


%0ZF6 IBM 122 Key (1)


%0ZF7 IBM 102 Key


%0ZF8 IBM 122 Key (2)


%0ZF9 Reserved 1


%0ZFA Reserved 2


%0ZFB Reserved 3


%0ZFC Reserved 4


%0ZFD Reserved 5

Keyboard Wedge

End Configuration

Keyboard Wedge Parameters

Upper/Lower Case

<No Change>

%0330

Upper Case

%0331

Lower Case

%0332

Send Character by ALT Method

Enable

%03O8

<Disable>

%03O0

Select Numerical Pad

ON

%01K4

<OFF>

%01K0

Save Configuration

Start Configuration

Output Characters Parameters

Select Terminator

%7S2+ **<CR+LF>**

%7S7+ None

%7S0+ CR

%7S1+ LF

%7S4+ Space

%7S3+ HT(TAB)

%7S5+ STX-ETX

Time-out Between Characters

%0070 **<0 ms>**

%0071 5 ms

%0072 10 ms

%0073 25 ms

%0074 50 ms

Wand Emulation

End Configuration

Wand Emulation

TTL Level Representation

<Bar equals High>

%02K4

Bar Equals Low

%02K0

Scan Speed Selection

<Fast>

%0288

Slow

%0280

Output Format Selection

<Output as Code 39>

%02O8

Output as Code 39 Full ASCII

%02O0

Save Configuration

Start Configuration

OCIA Mode Parameters

OCIA Mode Parameters

<NCR 8 Bit Format>

%02J0

NCR 9 Bit Fomat

%02J1

Spectra-Physics

%02J2

Nixdorf

%02J3

Symbology

End Configuration

Bar Code Type Selection

UPC-A

<ON>

%0A44

OFF

%0A40

UPC-E

<ON>

%0BO8

OFF

%0BO0

EAN-13/JAN-13

<ON>

%0A22

OFF

%0A20

EAN-8/JAN-8

<ON>

%0A11

OFF

%0A10

CODE 39

<ON>

%0EO8

OFF

%0EO0

Save Configuration

Start Configuration

Bar Code Type Selection

CODE 128

%0 F O8 — **<ON>**

%0 F O0 — OFF

CODABAR/NW7

%0 J O8 — **<ON>**

%0 J O0 — OFF

Interleave 25

%0 G O8 — **<ON>**

%0 G O0 — OFF

Industrial 25

%0 H O8 — ON

%0 H O0 — **<OFF>**

Matrix 25

%0 I O8 — ON

%0 I O0 — **<OFF>**

Symbology

End Configuration

Bar Code Type Selection

CODE 93

ON

%0KO8

<OFF>

%0KO0

CODE 11

ON

%0LO8

<OFF>

%0LO0

China Postage

ON

%0MO8

<OFF>

%0MO0

MSI/PLESSEY

ON

%0NO8

<OFF>

%0NO0

Save Configuration

Start Configuration

Bar Code Type Selection

BC412

ON

<OFF>

Reserved1

ON

<OFF>

Reserved2

ON

<OFF>

Reserved3

ON

<OFF>

Reserved4

ON

<OFF>

Symbology

End Configuration

Bar Code Type Selection

Reserved5

ON

%0 RO8

<OFF>

%0 RO0

Reserved6

ON

%0 SO8

<OFF>

%0 SO0

Select All Bar Codes

%1 A/ +

Save Configuration

Start Configuration

UPC/EAN/JAN

Reading Type

UPCA=EAN13 ON

UPCA=EAN13**<OFF>**

ISBN Enable

ISBN **<Disable>**

ISSN Enable

ISSN **<Disable>**

Decode with Supplementals

<Autodiscriminate Supplementals>

Supplementals Set Up

<Not Transmit>

Transmit 2 Code

Transmit 5 Code

Transmit 2&5 Code

End Configuration

UPC/EAN/JAN

Check Digit Transmission

UPC-A Check Digit Transmission **<ON>**

%0AI2

OFF

%0AI0

UPC-E Check Digit Transmission **<ON>**

%0BI2

OFF

%0BI0

EAN-8 Check Digit Transmission **<ON>**

%0A88

OFF

%0A80

EAN-13 Check Digit Transmission **<ON>**

%0AH1

OFF

%0AH0

Save Configuration

Start Configuration

Symbology

Code 39

Type of Code


%0EH1

<Standard>


%0EH0

FullASCII


%0E80

Italian Pharmacy/Code 32**<OFF>**


%0E88

Italian Pharmacy/ Code 32 ON

Check Digit Transmission


%0EM2

<Do Not Calculate Check Digit>


%0EM6

Calculate Check Digit &Transmit


%0EM4

Calculate Check Digit & Not Transmit

Output Start/Stop Character


%0E44

Enable


%0E40

<Disable>

End Configuration

Code 39

Set Up Code Length

To set the fixed length:

1. Scan the "Begin" label of the desired set.
2. Go to the Decimal Value Tables in Appendix A, scan label(s) that represents the length to be read.
3. Scan the "Complete" label of the desired set.

Repeat the steps 1 - 3 to set additional lengths.

<Variable>

%4E1+

Fix Length (2 Sets Available)

1st Set Begin
(Then scan value in Appendix A)

%4E00

1st Set Complete

%4E01

2nd Set Begin
(Then scan value in Appendix A)

%4E00

2nd Set Complete

%4E02

Minimum Length

Begin(Then scan value in Appendix A)

%2+-/

Complete

%2C0+

Save Configuration

Code 128

Check Digit Transmission

Do Not Calculate Check Digit

Calculate Check Digit & Transmit

<Calculate Check Digit & Not Transmit>

Append FNC2

ON

<OFF>

End Configuration

Code 128

Set Up Code Length

To set the fixed length:

1. Scan the "Begin" label of the desired set.
2. Go to the Decimal Value Tables in Appendix A, scan label(s) that represents the length to be read.
3. Scan the "Complete" label of the desired set.

Repeat the steps 1 - 3 to set additional lengths.

<Variable>

%4F1+

Fix Length (2 Sets Available)

1st Set Begin
(Then scan value in Appendix A)

%4F00

1st Set Complete

%4F01

2nd Set Begin
(Then scan value in Appendix A)

%4F00

2nd Set Complete

%4F02

Minimum Length

Begin(Then scan value in Appendix A)

%2+-/

Complete

%2C1+

Save Configuration

Interleave 25

Check Digit Transmission

%0 GN3 **<Do Not Calculate Check Digit>**

%0 GN7 Calculate Check Digit & Transmit

%0 GN5 Calculate Check Digit & Not Transmit

Set Up Number of Character

%0 G8 8 **<Even>**

%0 G8 0 Odd

End Configuration

Interleave 25

Set Up Code Length

To set the fixed length:

1. Scan the "Begin" label of the desired set.
2. Go to the Decimal Value Tables in Appendix A, scan label(s) that represents the length to be read.
3. Scan the "Complete" label of the desired set.

Repeat the steps 1 - 3 to set additional lengths.

<Variable>

%4 G1 +

Fix Length (2 Sets Available)

1st Set Begin
(Then scan value in Appendix A)

%4 G0 0

1st Set Complete

%4 G0 1

2nd Set Begin
(Then scan value in Appendix A)

%4 G0 0

2nd Set Complete

%4 G0 2

Minimum Length

Begin(Then scan value in Appendix A)

%2 + - /

Complete

%2 C2 +

Save Configuration

Industrial 25

Check Digit Transmission

%0 HN3

<Do Not Calculate Check Digit>

%0 HN7

Calculate Check Digit & Transmit

%0 HN5

Calculate Check Digit & Not Transmit

End Configuration

Industrial 25

Set Up Code Length

To set the fixed length:

1. Scan the "Begin" label of the desired set.
2. Go to the Decimal Value Tables in Appendix A, scan label(s) that represents the length to be read.
3. Scan the "Complete" label of the desired set.

Repeat the steps 1 - 3 to set additional lengths.

<Variable>

%4 H1 +

Fix Length (2 Sets Available)

1st Set Begin
(Then scan value in Appendix A)

%4 H0 0

1st Set Complete

%4 H0 1

2nd Set Begin
(Then scan value in Appendix A)

%4 H0 0

2nd Set Complete

%4 H0 2

Minimum Length

Begin(Then scan value in Appendix A)

%2 + - /

Complete

%2 C3 +

Save Configuration

Matrix 25

Check Digit Transmission

%01N3

<Do Not Calculate Check Digit>

%01N7

Calculate Check Digit & Transmit

%01N5

Calculate Check Digit & Not Transmit

End Configuration

Matrix 25

Set Up Code Length

To set the fixed length:

1. Scan the "Begin" label of the desired set.
2. Go to the Decimal Value Tables in Appendix A, scan label(s) that represents the length to be read.
3. Scan the "Complete" label of the desired set.

Repeat the steps 1 - 3 to set additional lengths.

<Variable>

%4I1+

Fix Length (2 Sets Available)

1st Set Begin
(Then scan value in Appendix A)

%4I00

1st Set Complete

%4I01

2nd Set Begin
(Then scan value in Appendix A)

%4I00

2nd Set Complete

%4I02

Minimum Length

Begin(Then scan value in Appendix A)

%2+-/

Complete

%2C4+

Save Configuration

CODABAR/NW7

Set Up Start/Stop Characters Upon Transmission

ON

<OFF>

Transmission Type of Start/Stop

<A/B/C/D> <Start>

<A/B/C/D> <Stop>

A Start

A Stop

B Start

B Stop

C Start

C Stop

D Start

D Stop

End Configuration

CODABAR/NW7

Set Up Code Length

To set the fixed length:

1. Scan the "Begin" label of the desired set.
2. Go to the Decimal Value Tables in Appendix A, scan label(s) that represents the length to be read.
3. Scan the "Complete" label of the desired set.

Repeat the steps 1 - 3 to set additional lengths.

<Variable>

%4J1+

Fix Length (2 Sets Available)

1st Set Begin
(Then scan value in Appendix A)

%4J00

1st Set Complete

%4J01

2nd Set Begin
(Then scan value in Appendix A)

%4J00

2nd Set Complete

%4J02

Minimum Length

Begin(Then scan value in Appendix A)

%2+-/

Complete

%2C5+

Save Configuration

Code 93

Check Digit Transmission

%0 KN3

<Do Not Calculate Check Digit>

%0 KN7

Calculate Check 1 Digit & Transmit

%0 KN5

Calculate Check 1 Digit & Not Transmit

%0 KN6

Calculate Check 2 Digits & Transmit

%0 KN4

Calculate Check 2 Digits & Not Transmit

End Configuration

Code 93

Set Up Code Length

To set the fixed length:

1. Scan the "Begin" label of the desired set.
2. Go to the Decimal Value Tables in Appendix A, scan label(s) that represents the length to be read.
3. Scan the "Complete" label of the desired set.

Repeat the steps 1 - 3 to set additional lengths.

<Variable>

%4 K1 +

Fix Length (2 Sets Available)

1st Set Begin
(Then scan value in Appendix A)

%4 K0 0

1st Set Complete

%4 K0 1

2nd Set Begin
(Then scan value in Appendix A)

%4 K0 0

2nd Set Complete

%4 K0 2

Minimum Length

Begin(Then scan value in Appendix A)

%2 + - /

Complete

%2 C6 +

Save Configuration

Code 11

Check Digit Transmission

%0LN3 **<Do Not Calculate Check Digit>**

%0LN7 Calculate Check 1 Digit & Transmit

%0LN5 Calculate Check 1 Digit & Not Transmit

%0LN6 Calculate Check 2 Digits & Transmit

%0LN4 Calculate Check 2 Digits & Not Transmit

End Configuration

Code 11

Set Up Code Length

To set the fixed length:

1. Scan the "Begin" label of the desired set.
2. Go to the Decimal Value Tables in Appendix A, scan label(s) that represents the length to be read.
3. Scan the "Complete" label of the desired set.

Repeat the steps 1 - 3 to set additional lengths.

<Variable>

%4L1+

Fix Length (2 Sets Available)

1st Set Begin
(Then scan value in Appendix A)

%4L00

1st Set Complete

%4L01

2nd Set Begin
(Then scan value in Appendix A)

%4L00

2nd Set Complete

%4L02

Minimum Length

Begin(Then scan value in Appendix A)

%2+-/

Complete

%2C7+

Save Configuration

MSI/PLESSEY

Check Digit Transmission

%0 NN3

<Do Not Calculate Check Digit>

%0 NN7

Calculate Check Digit & Transmit

%0 NN5

Calculate Check Digit & Not Transmit

End Configuration

MSI/PLESSEY

Set Up Code Length

To set the fixed length:

1. Scan the "Begin" label of the desired set.
2. Go to the Decimal Value Tables in Appendix A, scan label(s) that represents the length to be read.
3. Scan the "Complete" label of the desired set.

Repeat the steps 1 - 3 to set additional lengths.

<Variable>

%4 N1 +

Fix Length (2 Sets Available)

1st Set Begin
(Then scan value in Appendix A)

%4 N0 0

1st Set Complete

%4 N0 1

2nd Set Begin
(Then scan value in Appendix A)

%4 N0 0

2nd Set Complete

%4 N0 2

Minimum Length

Begin(Then scan value in Appendix A)

%2 + - /

Complete

%2 C9 +

Save Configuration

BC 412

Check Digit Transmission

Do Not Calculate Check Digit

<Calculate Check Digit & Transmit>

Calculate Check Digit & Not Transmit

End Configuration

BC 412

Set Up Code Length

To set the fixed length:

1. Scan the "Begin" label of the desired set.
2. Go to the Decimal Value Tables in Appendix A, scan label(s) that represents the length to be read.
3. Scan the "Complete" label of the desired set.

Repeat the steps 1 - 3 to set additional lengths.

<Variable>

%4 O1 +

Fix Length (2 Sets Available)

1st Set Begin
(Then scan value in Appendix A)

%4 O0 0

1st Set Complete

%4 O0 1

2nd Set Begin
(Then scan value in Appendix A)

%4 O0 0

2nd Set Complete

%4 O0 2

Minimum Length

Begin(Then scan value in Appendix A)

%2 + - /

Complete

%2 CA+

Save Configuration

China Postage

Check Digit Transmission

%0 MN3

<Do Not Calculate Check Digit>

%0 MN7

Calculate Check Digit & Transmit

%0 MN5

Calculate Check Digit & Not Transmit

End Configuration

China Postage

Set Up Code Length

To set the fixed length:

1. Scan the "Begin" label of the desired set.
2. Go to the Decimal Value Tables in Appendix A, scan label(s) that represents the length to be read.
3. Scan the "Complete" label of the desired set.

Repeat the steps 1 - 3 to set additional lengths.

<Variable>

%4 M1 +

Fix Length (2 Sets Available)

1st Set Begin
(Then scan value in Appendix A)

%4 M0 0

1st Set Complete

%4 M0 1

2nd Set Begin
(Then scan value in Appendix A)

%4 M0 0

2nd Set Complete

%4 M0 2

Minimum Length

Begin(Then scan value in Appendix A)

%2 + - /

Complete

%2 C8 +

Save Configuration

Start Configuration

Language Selection


%0ZV0

<US English>


%0ZV1

UK English


%0ZV2

Italian


%0ZV3

Spanish


%0ZV4

French


%0ZV5

Germany


%0ZV6

Swedish


%0ZV7

Swiss


%0ZV8

Hungarian


%0ZV9

Japanese

End Configuration

Language Selection

Belgium

%0ZVA

Portugal

%0ZVB

Demark

%0ZVC

Holland

%0ZVD

Reserved1

%0ZVE

Reserved2

%0ZVF

Save Configuration

Start Configuration

Bar Code ID

ON

<OFF>

Default

With this function ON, a leading character will be added to the output string while scanning code, user may refer to the following table to know what kind of bar code is being scanned.

Please refer to the table below for matching code ID of codes read in.

Code Type	ID	Code Type	ID
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 Postage	M	MSI/PLESSEY	N
BC412	O		
1st Track	X	2nd Track	Y
3rd Track	Z		

User Define Code ID

To set the code ID:

1. Scan the symboligies label.
2. Go to the ASCII Tables in Appendix B, scan label that represents the desired code ID.

Note:
User define code ID will override default value.
Program will not check the conflict. It is possible to have more than two symboligies which have same code ID.

Operation

End Configuration

Bar Code ID

UPC-A	 %@1A+
UPC-E	 %@1B+
EAN-13/JAN-13	 %@1Y+
EAN-8/JAN-8	 %@1Z+
CODE 39	 %@1E+
CODE 128	 %@1F+
CODABAR/NW7	 %@1J+
Interleave 25	 %@1G+
Industrial 25	 %@1H+
Matrix 25	 %@1I+
CODE 93	 %@1K+
CODE 11	 %@1L+
China Postage	 %@1M+

Save Configuration

Start Configuration

Bar Code ID

MSI/PLESSEY

BC412

Mag. Track1

Mag. Track2

Mag. Track3

Reserved1

Reserved2

Reserved3

Reserved4

Reserved5

Reserved6

Operation


End Configuration

Misc. Parameters

Reading Level

Bar Equals High


%031 2

<Bar Equals Low>


%031 0

Accuracy

<1 Time>


%0130

2 Times


%0131

3 Times


%0132

4 Times


%0133

Sensitivity of Continuous Reading Mode

<Fast>


%0388

Slow


%0380


Save Configuration

Start Configuration

Misc. Parameters

Buzzer Beep Tone

%01J3 **<High>**

%01J2 Medium

%01J1 Low

%01J0 Off

PnP/Notebooks

%0340 **<Disable>**

%0344 Enable

Reverse Output Characters

%03H0 **<Disable>**

%03H1 Enable

End Configuration

Setup Deletion

Setup Deletion

To setup the deletion of output characters:

1. Scan the label of the desired set below.
2. Scan the label of the desired symboligy.
3. Go to the Decimal Value Tables in Appendix A, scan label(s) that represents the desired position to be deleted.
4. Scan the "Complete" label of "Character Position to be Deleted".
5. Go to the Decimal Value Tables in Appendix A, scan label(s) that represents the number of characters to be deleted.
6. Scan the "Complete" label of "Number of Characters to be Deleted".

Repeat the steps 1 - 6 to set additional deletion.

Select Deletion Set Number

1. 1st Set %800+
2. 2nd Set %801+
3. 3rd Set %802+
4. 4th Set %803+
5. 5th Set %804+
6. 6th Set %805+

Save Configuration

Start Configuration

Setup Deletion

Symboligies Selection


%81A+ UPC-A


%81B+ UPC-E


%81Y+ EAN-13/JAN-13


%81Z+ EAN-8/JAN-8


%81E+ CODE 39


%81F+ CODE 128


%81J+ CODABAR/NW7


%81G+ Interleave 25


%81H+ Industrial 25


%81I+ Matrix 25


%81K+ CODE 93


%81L+ CODE 11

Operation

End Configuration

Setup Deletion

China Postage

%81M+

MSI/PLESSEY

%81N+

BC412

%81O+

Resvered1

%81C+

Resvered2

%81D+

Resvered3

%81P+

Resvered4

%81Q+

Resvered5

%81R+

Resvered6

%81S+

None

%8140+

Save Configuration

Start Configuration

Setup Deletion

Character Position to be Deleted

1. Scan Decimal Value in Appendix A first.

%820+

2. Complete

Number of Characters to be Deleted

1. Scan Decimal Value in Appendix A first.

%830+

2. Complete

End Configuration

Setup Insertion

Setup Insertion

To setup the insertion of output characters:

1. Scan the label of the desired set.
2. Scan the label of the desired symboligy.
3. Go to the Decimal Value Tables in Appendix A, scan label(s) that represents the desired position to be inserted.
4. Scan the "Complete" label of "Character Position to be Inserted".
5. Go to the ASCII Tables in Appendix B or Function Key Tables in Apendix C, scan label(s) that represents the desired characters to be inserted.
6. Scan the "Complete" label of "Characters to be Inserted".

Repeat the steps 1 - 6 to set additional insertion.

Select Insertion Set Number

1st Set %500+

2nd Set %501+

3rd Set %502+

4th Set %503+

5th Set %504+

6th Set %505+

Save Configuration


Start Configuration

Setup Insertion

Symboligies Selection


%51A+ UPC-A


%51B+ UPC-E


%51Y+ EAN-13/JAN-13


%51Z+ EAN-8/JAN-8


%51E+ CODE 39


%51F+ CODE 128


%51J+ CODABAR/NW7


%51G+ Interleave 25


%51H+ Industrial 25


%51I+ Matrix 25


%51K+ CODE 93


%51L+ CODE 11

Operation

End Configuration

Setup Insertion

China Postage

%51M+

MSI/PLESSEY

%51N+

BC412

%51O+

Resvered1

%51C+

Resvered2

%51D+

Resvered3

%51P+

Resvered4

%51Q+

Resvered5

%51R+

Resvered6

%51S+

None

%514+

Save Configuration

Start Configuration

Setup Insertion

Character Position to be Inserted

1. Scan Decimal Value in Appendix A first.

%520+

2. Complete

Characters to be Inserted

1. Scan ASCII Table in Appendix B first.

%530+

2. Complete

Appendix A

Decimal Value

0

1

2

3

4

5

6

7

8

9

Appendix B

ASCII Tables

NULL

00

SOH

01

STX

02

ETX

03

EOT

04

ENQ

05

ACK

06

BEL

07

BS

08

HT

09

LF

0A

VT

0B

FF

0C

CR

0D

SO

0E

SI

0F

DLE

10

DC1

11

DC2

12

DC3

13

DC4

14

NAK

15

SYN

16

ETB

17

CAN

18

EM

19

SUB

1A

ESC

1B

FS

1C

GS

1D

RS

1E

US

1F

ASCII Tables

SPACE

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0

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Appendix B

ASCII Tables

@

40

A

41

B

42

C

43

D

44

E

45

F

46

G

47

H

48

I

49

J

4A

K

4B

L

4C

M

4D

N

4E

O

4F

P

50

Q

51

R

52

S

53

T

54

U

55

V

56

W

57

X

58

Y

59

Z

5A

[

5B

\

5C

]

5D

^

5E

_

5F

ASCII Tables

`

60

a

61

b

62

c

63

d

64

e

65

f

66

g

67

h

68

i

69

j

6A

k

6B

l

6C

m

6D

n

6E

o

6F

p

70

q

71

r

72

s

73

t

74

u

75

v

76

w

77

x

78

y

79

z

7A

{

7B

|

7C

}

7D

~

7E

DEL

7F

Appendix C

Function Key Tables

F1

C0

F2

C1

F3

C2

F4

C3

F5

C4

F6

C5

F7

C6

F8

C7

F9

C8

F10

C9

F11

CA

F12

CB

Insert

CC

Delete

CD

Home

CE

Page Up

CF

Page Down

D0

End

D1

Left

D2

Right

D3

Up

D4

Down

D5