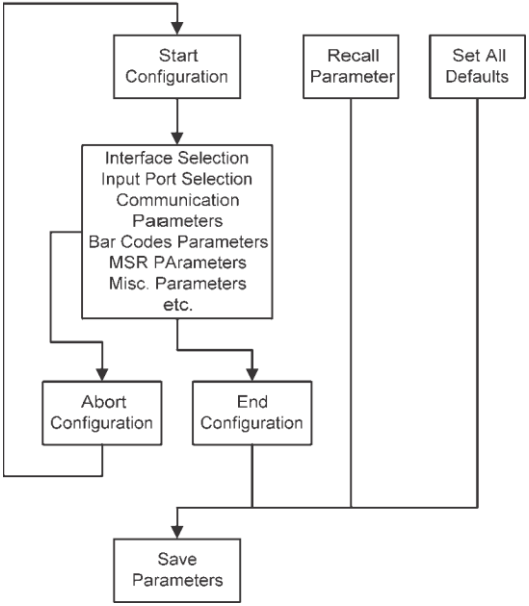
CONFIGURATION GUIDE

Note: Due to product improvement programs, specifications and features are subject to change without prior notice.

Table of contents

Chapter 1
Main Configuration

A. FLOW CHART


Start Configuration
Recall Parameter
Set All Defaults
Interface Selection
Input Port Selection
Communication Parameters
Bar Codes Parameters
MSR PArameters
Misc. Parameters
etc.
Abort Configuration
End Configuration
Save Parameters

Loop of Programming

The philosophy of programming parameters has been shown on the flow chart of 2.1. Basically user should

Scan Start of Configuration.

Scan all necessary labels for parameters that meet applications.

Scan End of Configuration to end the programming.

To permanently save the settings you programmed, just scan label for Save Parameters.

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" in chapter 2.4,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.

B. MAIN PAGE OF CONFIGURATION

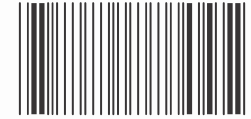
Save Parameters

%$+/0

Recall Stored Parameters

%$+/1

Set All Defaults

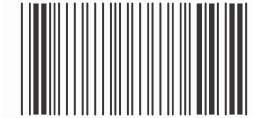


%$+/2

Start Configuration

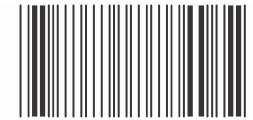
%$+/3

End Configuration



%$+/4

Abort Configuration



%$+/6

Version Information

%$+/5

Save Parameters -

The parameter settings will be saved permanently.

Recall Stored Parameters -

Replace the current parameters by the parameters you saved last time.

Set All Defaults -

Set all the parameters to the factory default settings.

Abort Configuration -

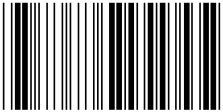
Terminate current programming status.

Version Information -

Display the decoder version information and date code.

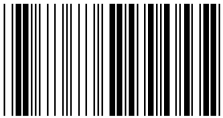
C. IMAGER SETTING

1D codes only



%%081

<Standard 1D & 2D codes>



%%082

Chapter 2
Reading Mode Selection

<Good Read OFF>

%0271

Trigger ON/OFF

%0270

Continuous/Trigger OFF

%0272

Testing

%0275

Continuous/Auto Power On

%0273

Flash

%0274

Flash/Auto Power On

%0276

Auto Sense (Option)

%09F8

Chapter 3

RS232 Mode

A. SET UP BAUD RATE

9600

%0Y77

19200

%0Y74

38400

%0Y75

57600

%0Y78

<115200>

%0Y79

B. SET UP DATA BITS

7 Data Bits

%0Y80

<8 Data Bits>

%0Y88

C. SET UP STOP BITS

<1 Bit>

%0YO8

2 Bits

%0YO0

D. SET UP PARITY

<None>

%0YN7

Even

%0YN2

Odd

%0YN3

Mark

%0YN1

Space

%0YN0

Chapter 4
Output Characters

A. SELECT TERMINATOR

<CR+LF>

%7S2+

None

%7S7+

CR

%7S0+

LF

%7S1+

Space

%7S4+

HT(TAB)

%7S3+

STX-ETX

%7S5+

B. TIME-OUT BETWEEN CHARACTERS

<0 ms>

%0070

5 ms

%0071

10 ms

%0072

25 ms

%0073

50 ms

%0074

100 ms

%0075

200 ms

%0076

300 ms

%0077

Chapter 5
Symbologies Selection

A. 1D SYMBOLOGIES SELECTION

<UPC-A ON>

%0A44

UPC-A OFF

%0A45

<UPC-E ON>

%0BO8

UPC-E OFF

%0BO0

<EAN-13/JAN-13/ISBN-13ON>

%0A22

EAN-13/JAN-13/ISBN-13OFF

%0A20

<EAN-8/JAN-8 ON>

%0A11

EAN-8/JAN-8 OFF

%0A10

<CODE 39 ON>

%0EO8

CODE 39 OFF

%EO0

<CODE 128 ON>

%0FO8

CODE 128 OFF

%0FC0

<Interleave 25 ON>

%0GO8

Interleave 25 OFF

%0GO0

CODE 93 ON

%0KO8

<CODE 93 OFF>

%0KO0

%0NO0

B. 2D SYMBOLOGIES SELECTION

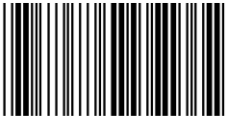
<Data Matrix ON>

%%016

Data Matrix OFF

%%026

<Maxi Code ON>

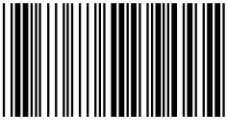


%%01C

Maxi Code OFF

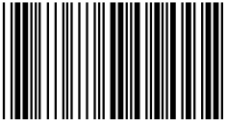
%%02C

<MicroPDF417 ON>



%%01D

MicroPDF417 OFF



%%02D

<PDF417 ON>

%%01F

PDF417 OFF

%%02F

<QR Code ON>

%%01I

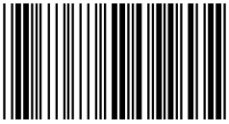
QR Code OFF

%%02I

Han Xin bar code ON

%%01L

<Han Xin bar code OFF>



%%02L

Select All Bar Codes

%1A/+

Chapter 6
Buzzer Beep Tone

<High>

%01J3

Medium

%01J2

Buzzer Beep Tone

Low

%01J1

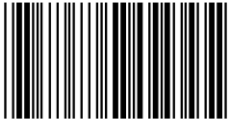
Off

%01J0

Chapter 7

Multi-Code

Activation Enable



%%091

<Activation Disable>

%%090

Activation Exclusive

%%092

Chapter 8
Miscellaneous Parameters

A. LANGUAGE SELECTION

<US English>

%0ZV0

UK English

%0 ZV1

Italian

%0 ZV2

Spanish

%0 ZV3

French

%0ZV4

German

%0ZV5

Swedish

%0ZV6

Switzerland

%0ZV7

Hungarian

%0ZV8

Japanese

%0ZV9

Belgium

%0ZVA

Portuguese

%0ZVB

Denmark

%0ZVC

Netherlands

%0ZVD

Turkey

%0ZVE

B. BAR CODE ID

ON

%00H1

<OFF>

%00H0

Default

%913+

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
Code 2 of 6	P	LCD25	Q
Telepen	T	GS1 DataBar Omnidirectional	U
GS1 DataBar Limited	V	GS1 DataBar Expanded	W

AIM format On

%00H2

AIM Symbology ID

AIM = THE ASSOCIATION FOR AUTOMATIC IDENTIFICATION AND MOBILITY

Activates for all sysbologies the 3-character symbology identifier standardized by AIM committee

Example: "]A0" identifies standard Code 39 without check digit

If the data in a bar code is modified (ISBN,..), the standard AIM identifier

for the symbology will be replaced by "]X0"

NOTE: depending on how the bar code is encoded, the AIM identifier may be transmitted automatically . Refer to the official AIM documentation on symbology identifier for full information on the different processing options supported.

']'+'symbology ID'+'processing option'

ID	Symbology	Processing Option
A	Code 39	0, 1, 3, 4, 5, 7
A	TLC 39	0
B	Telepen	0, 1
C	Code 128/GS1-128	0, 1, 2, 4
D	DataMatrix	1
E	EAN/UPC (1)	0, 3, 4
X	EAN/UPC (2)	0
E	EAN/UPC linear components	0, 1, 2, 3, 4

ID	Symbology	Processing Option
E	GS1 composite	0, 1, 2, 3
E	GS1 Databar	0
F	Codabar	0, 1, 2, 4
G	Code 93/93i	0, 1~9, A~Z, a~m
H	Code 11	0, 1, 3
I	Interleaved 2 of 5	0, 1, 3
L	PDF417/MicroPDF	0, 3, 4, 5
M	MSI Code	0, 1
O	Codablock A	6
O	Codablock F	4, 5
U	MaxiCode	0, 1
P	Plessey Code	0
Q	QRCode	0, 1
R	Standard 2 of 5	0, 1, 3
S	Standard 2 of 5	0
X	Australian Post	0

ID	Symbology	Processing Option
X	BPO	0
X	Dutch Post	0
X	Japan Post	0
X	Matrix 2 of 5	0
X	Planet	0
X	Postnet	0
z	Aztec	0

All above programming are subject to change without notice.

0145-88E00R1 V01