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***LONG RANGE CCD  
BAR CODE SCANNER***

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**USER'S  
MANUAL**



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## 1. Introduction

Thank you very much for purchasing TSC bar code scanner. This decoder is a Long Range (Gun Type) CCD Bar Code Scanner. It works with variety of bar code types, reading devices and computer interface. This manual provides an easy way to setting the decoder by scanning bar codes listed on the menu.

Specifications, accessories, parts and programs are subject to change without notice.

### 1.1 Installation

#### ● Unpacking

Unpacking the box, the following items are included in the carton.

\* One scanner unit

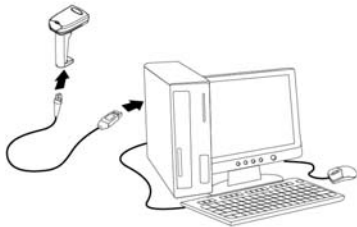
\* One quick start guide

If any parts are missing, please contact the Customer Service Department of your purchased reseller or distributor.

#### ● Connecting the scanner

##### \* USB interface

1. Turn off the power of terminal/computer.
2. Connect the USB cable to the scanner and the terminal/computer.
3. Turn the terminal/computer power on.
4. The scanner will beep a tone after connected.
5. Scan any bar code to ensure the scanner was completed setting.

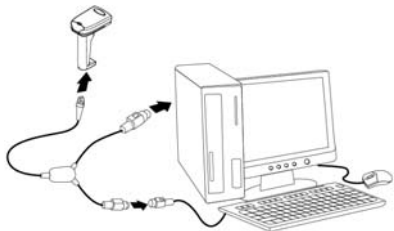


##### \* Keyboard wedge interface (Option)

1. Turn off the power of terminal/computer.
2. Connect the appropriate interface cable to the scanner, the

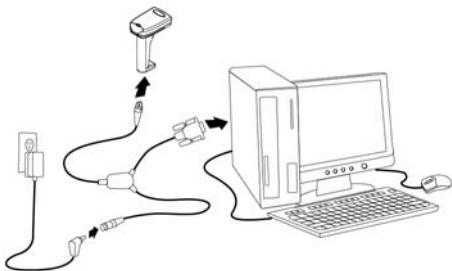
terminal/computer and keyboard.

3. Turn the terminal/computer power on.
4. The scanner will beep a tone after connected.
5. Set the scanner to keyboard wedge setting. (Please refer to section 2.1)
6. Scan any bar code to ensure the scanner completed setting.



#### \* RS-232 interface (Option)

1. Turn off the power of terminal/computer.
2. Connect the RS-232 cable to the scanner and the terminal/computer.
3. Turn the terminal/computer power on.
4. The scanner will beep a tone after connected.
5. Set the scanner to RS-232 setting. (Please refer to section 2.1)
6. Scan any bar code to ensure for completed setting.



## 1.2 Default Setting








Code Type	Enable	Proprietary ID	AIM Code ID
Code 39	X	1	J A
Code 93		2	J G
Interleaved 2 of 5	X	3	J I
Industrial 2 of 5		4	J S
Standard 2 of 5		5	J R
Code 128	X	6	J C
Codabar	X	7	J F
EAN 8	X	8	J E
EAN 13	X	9	J E
UPC A	X	A	J E
UPC E	X	B	J E
MSI		C	J M
Plessey		D	J P
China Post		E	J X
Italian Pharmacode (Code 32)		F	J G
Matrix 2 of 5		G	J S
Telepen		H	J B
Code 11		I	J H

## 2. Setting Procedure

### 2.1 Common setting

Please follow below steps to set your scanner.








1. Scan the bar code from “Enter setting mode” side to start the setting procedure.
2. Select the bar code from “Function” side to enter the option mode.
3. Scan the bar code from “Option” side to set the option function.
4. Scan the bar code from “Exit setting mode” side when finished the setting.

Enter setting mode		
Function	Option	Remark
<b>1</b>  *%\$\$PRO*		
<b>2</b>  *%S1A*	 Auto detection	<b>3</b> Default
	 Keyboard wedge	
	 RS232	
	 USB	
<b>Exit setting mode</b>		
<b>4</b>  *\$\$%*		

















## 2.2 Parameter setting

Please follow below steps to set parameter setting.

1. Scan the bar code from “Enter setting mode” side to start the setting procedure.
2. Select and scan the bar code from “Function” side to enter the option mode.
3. Scan the bar code from the parameter list that listed on back page of the manual to set the parameter.
4. Scan the bar code from “Exit setting mode” when finished the setting.

<b>Enter setting mode</b> <div style="display: flex; align-items: center; justify-content: center;"> <span style="font-size: 2em; margin-right: 10px;">1</span>  </div>		
Function	Option	Remark
<b>Stand-by duration</b>  <small>*%SAB*</small>	1~99 sec	6 (Default)
<b>Double read timeout</b>  <small>*%SAC*</small>	1~99 (10 ms)	50 (Default)
<b>Double confirm</b>  <small>*%SAD*</small>	0~9 times	0 (Default)
<b>Global Min. code length</b>  <small>*%SAE*</small>	0~64	4 (Default)
<b>Global Max. code length</b>  <small>*%SAF*</small>	0~64	63 (Default)
<b>Exit setting mode</b> <div style="display: flex; align-items: center; justify-content: center;"> <span style="font-size: 2em; margin-right: 10px;">4</span>  </div>		

Parameter list (Listed on back page of the manual)

Parameter	Bar code
0	 *0*
1	 *1*
2	 *2*
3	 *3*
4	 *4*
5	 *5*
6	 *6*
7	 *7*
8	 *8*
9	 *9*
A	 *A*
B	 *B*
C	 *C*
D	 *D*
E	 *E*
F	 *F*






3

## 2.3 Interface Selection

Enter setting mode



\*%\$\$PRO\*
















Function	Option	Remark
<b>Interface selection</b>   *%S1A*	 Auto detection	Default
	 Keyboard wedge	
	 RS232	
	 USB	
















Exit setting mode
















\*\$\$%\*














• Keyboard wedge

Enter setting mode		
 *% \$\$PRO*		
Function	Option	Remark
<b>Keyboard type</b>   *% S2A*	 IBM AT, PS/2	Default
	 Reserved	
<b>Keyboard layout</b>   *% S2B*	 US international	Default
	 Spanish	
	 French	
	 German	
	 Italian	
	 Danish	
	 Portuguese	
	 Swedish	
	 Switzerland	
	 UK	

	 Latin American	
	 Japanese	
	 Hungarian	
	 Reserved	
	 Reserved	
<b>Keyboard speed</b>  **%S2C*	0~8 (0: High speed; 8: Low speed)	3 (Default)
<b>Caps lock</b>  **%S2D*	 Caps lock "OFF"	Default
	 Caps lock "ON"	
<b>Power-on simulation</b>  **%S2E*	 Disable	Default
	 Enable	
<b>Inter-character delay</b>  **%S2F*	0~99 (ms)	2 (Default)
<b>Block transmission delay</b>  **%S2G*	0~99 (ms)	10 (Default)
<b>Exit setting mode</b>  **\$\$%*		












• RS232















Enter setting mode		
 *%\$\$PRO*		
Function	Option	Remark
<b>Flow control</b> (Handshaking)   *%S3A*	 None	Default
	 RTS/CTS	
	 Xon/Xoff	
	 ACK/NAK	
<b>Baud rate</b>   *%S3B*	 1200 bps	
	 2400 bps	
	 4800 bps	
	 9600 bps	Default
	 19200 bps	
	 38400 bps	

	 57600 bps	
	 115200 bps	
<b>Parity</b>   **%S3C*	 None	Default
	 Odd	
	 Even	
<b>Data bit</b>   **%S3D*	 8 bits	Default
	 7 bits	
<b>Stop bit</b>   **%S3E*	 1 bit	Default
	 2 bits	
<b>Exit setting mode</b>   **%S3S*		














## 2.4 System setting

### • Scan

Enter setting mode		
 *% \$\$PRO*		
Function	Option	Remark
<b>Scanning mode</b>   *% SAA*	 Good-read off	
	 Momentary	Default
	 Alternate	
	 Continue	
	 Timeout off	
<b>Stand-by duration</b>  *% SAB*	1~99 second(s)	6 (Default)
<b>Double read timeout</b>  *% SAC*	1~99 (10 ms)	50 (Default)
<b>Double confirm</b>  *% SAD*	0~9 times	0 (Default)
<b>Global Min. code length</b>  *% SAE*	0~64	4 (Default)

<b>Global Max. code length</b>  *%SAF*	0~64	63 (Default)
<b>Inverted image scan</b>  *%SAG*	 Disable	Default
	 Enable	
<b>Position indication</b>  *%SAH*	 Disable	Default
	 30 seconds	
	 60 seconds	
	 90 seconds	
	 120 seconds	
	 150 seconds	
	 180 seconds	
	 Enable	
<b>Exit setting mode</b>  *\$\$%*		

• Indication

Enter setting mode		
 *%\$\$PRO*		
Function	Option	Remark
<b>Power on alert</b>   *%SBA*	 Disable	
	 Enable	Default
<b>LED indication</b>   *%SBB*	 Disable	
	 Enable	Default
<b>Beeper indication</b>   *%SBC*	 Disable	
	 Enable	Default
<b>Beep loudness</b>   *%SBD*	0~7	7 (Default)
<b>Beep tone frequency</b>   *%SBE*	0~99(100 Hz)	26 (Default)
<b>Beep tone duration</b>   *%SBF*	0~99(ms)	10 (Default)










**Exit setting mode**









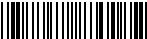


\*\$\$%\*

















### 3. Code Option

- Code 39

Enter setting mode		
 *%\$\$PRO*		
Function	Option	Remark
<b>Read</b>   *%B1A*	 Disable	
	 Enable	Default
<b>Check-sum verification</b>   *%B1B*	 Disable	Default
	 Enable	
<b>Check-sum transmission</b>   *%B1C*	 Disable	Default
	 Enable	
<b>Code ID setting</b>  *%B1D*	Hex 00-FF ASCII	<u>1</u> (Default)
<b>Max. code length</b>  *%B1E*	0-64	0 (Default)
<b>Min. code length</b>  *%B1F*	0-64	0 (Default)
<b>Truncate leading</b>  *%B1G*	0-15	0 (Default)

<b>Truncate ending</b>  *%B1H*	0-15	0 (Default)
<b>Start/End transmission</b>  *%B1J*	 Disable	Default
	 Enable	
<b>Insert group number</b>  *%B1M*	00-44	00 (Default)
<b>Format ( Standard Full ASCII )</b>  *%B1R*	 Disable	Default
	 Enable	
<b>Exit setting mode</b>  *\$\$%*		

• Code 93
















Enter setting mode		
 *%\$\$PRO*		
Function	Option	Remark
<b>Read</b>   *%B2A*	 Disable	Default
	 Enable	
<b>Check-sum verification</b>   *%B2B*	 Disable	
	 Enable	Default
<b>Check-sum transmission</b>   *%B2C*	 Disable	Default
	 Enable	
<b>Code ID setting</b>  *%B2D*	Hex 00-FF ASCII	<u>2</u> (Default)
<b>Max. code length</b>  *%B2E*	0-64	0 (Default)
<b>Min. code length</b>  *%B2F*	0-64	0 (Default)
<b>Truncate leading</b>  *%B2G*	0-15	0 (Default)
<b>Truncate ending</b>  *%B2H*	0-15	0 (Default)
<b>Insert group number</b>  *%B2M*	00-44	00 (Default)

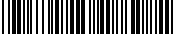
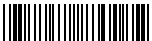
**Exit setting mode**














\*\$\$%\*

• Interleaved 2 of 5









Enter setting mode		
 *%\$\$PRO*		
Function	Option	Remark
<b>Read</b>   *%B3A*	 Disable	
	 Enable	Default
<b>Check-sum verification</b>   *%B3B*	 Disable	Default
	 Enable	
<b>Check-sum transmission</b>   *%B3C*	 Disable	Default
	 Enable	
<b>Code ID setting</b>  *%B3D*	Hex 00-FF ASCII	<u>3</u> (Default)
<b>Max. code length</b>  *%B3E*	0-64	0 (Default)
<b>Min. code length</b>  *%B3F*	0-64	0 (Default)
<b>Truncate leading</b>  *%B3G*	0-15	0 (Default)
<b>Truncate ending</b>  *%B3H*	0-15	0 (Default)

<b>Insert group number</b>  *%B3M*	00-44	00 (Default)
<b>Exit setting mode</b>  *\$\$%*		

• Industrial 2 of 5















Enter setting mode		
 *%\$\$PRO*		
Function	Option	Remark
<b>Read</b>   *%B4A*	 Disable	Default
	 Enable	
<b>Code ID setting</b>   *%B4D*	Hex 00-FF ASCII	<u>4</u> (Default)
<b>Max. code length</b>   *%B4E*	0-64	0 (Default)
<b>Min. code length</b>   *%B4F*	0-64	0 (Default)
<b>Truncate leading</b>   *%B4G*	0-15	0 (Default)
<b>Truncate ending</b>   *%B4H*	0-15	0 (Default)
<b>Insert group number</b>   *%B4M*	00-44	00 (Default)
<b>Exit setting mode</b>   *\$\$%*		












• Standard 2 of 5

Enter setting mode		
 *%\$\$PRO*		
Function	Option	Remark
<b>Read</b>   *%B5A*	 Disable	Default
	 Enable	
<b>Check-sum verification</b>   *%B5B*	 Disable	Default
	 Enable	
<b>Check-sum transmission</b>   *%B5C*	 Disable	Default
	 Enable	
<b>Code ID setting</b>  *%B5D*	Hex 00-FF ASCII	<u>5</u> (Default)
<b>Max. code length</b>  *%B5E*	0-64	0 (Default)
<b>Min. code length</b>  *%B5F*	0-64	0 (Default)
<b>Truncate leading</b>  *%B5G*	0-15	0 (Default)
<b>Truncate ending</b>  *%B5H*	0-15	0 (Default)















<b>Insert group number</b>  *%B5M*	00-44	00 (Default)
<b>Exit setting mode</b>  *\$%*		

• Code 128

Enter setting mode		
 *%\$\$PRO*		
Function	Option	Remark
<b>Read</b>   *%B6A*	 Disable	
	 Enable	Default
<b>Check-sum verification</b>   *%B6B*	 Disable	
	 Enable	Default
<b>Check-sum transmission</b>   *%B6C*	 Disable	Default
	 Enable	
<b>Code ID setting</b>   *%B6D*	Hex 00-FF ASCII	<u>6</u> (Default)
<b>Max. code length</b>   *%B6E*	0-64	0 (Default)
<b>Min. code length</b>   *%B6F*	0-64	0 (Default)
<b>Truncate leading</b>   *%B6G*	0-15	0 (Default)














<b>Truncate ending</b>  *%B6H*	0-15	0 (Default)
<b>Format</b>  *%B6R*	 Standard	Default
	 UCC/EAN-128	
<b>Append</b>  *%B6I*	 Disable	Default
	 Enable	
<b>UCC/EAN-128 ID setting</b>  *%B6Y*	Hex 00-FF ASCII	<u>6</u> (Default)
<b>Field separator code</b>  *%B6Z*	Hex 00-FF ASCII	1DH (Default)
<b>Insert group number</b>  *%B6M*	00-44	00 (Default)
<b>Exit setting mode</b>  *\$\$%*		







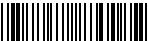
• CODABAR

Enter setting mode		
 *%\$\$PRO*		
Function	Option	Remark
<b>Read</b>   *%B7A*	 Disable	
	 Enable	Default
<b>Check-sum verification</b>   *%B7B*	 Disable	Default
	 Enable	
<b>Check-sum transmission</b>   *%B7C*	 Disable	Default
	 Enable	
<b>Code ID setting</b>  *%B7D*	Hex 00-FF ASCII	Z (Default)
<b>Max. code length</b>  *%B7E*	0-64	0 (Default)
<b>Min. code length</b>  *%B7F*	0-64	0 (Default)
<b>Truncate leading</b>  *%B7G*	0-15	0 (Default)














<b>Truncate ending</b>  *%B7H*	0-15	0 (Default)
<b>Start/End type</b>  *%B7S*	 ABCD/ABCD	Default
	 abcd/abcd	
	 ABCD/TN*E	
	 abcd/tn*e	
<b>Insert group number</b>  *%B7M*	00-44	00 (Default)
<b>Start/End transmission</b>  *%B7J*	 Disable	Default
	 Enable	
<b>Exit setting mode</b>  *\$\$%*		










• EAN 8

Enter setting mode		
 **%\$\$PRO*		
Function	Option	Remark
<b>Read</b>   **%B8A*	 Disable	
	 Enable	Default
<b>Check-sum transmission</b>   **%B8C*	 Disable	
	 Enable	Default
<b>Code ID setting</b>   **%B8D*	Hex 00-FF ASCII	<u>8</u> (Default)
<b>Truncate leading</b>   **%B8G*	0-15	0 (Default)
<b>Truncate ending</b>   **%B8H*	0-15	0 (Default)
<b>Truncate leading zero</b>   **%B8K*	 Disable	Default
	 Enable	















<b>Supplement digits</b>   *%B80*	 None	Default
	 2 digits	
	 5 digits	
	 Auto detection	
<b>Insert group number</b>  *%B8M*	00-44	00 (Default)
<b>Exit setting mode</b>   *\$\$%*		









• EAN13

Enter setting mode		
 *%\$\$PRO*		
Function	Option	Remark
<b>Read</b>   *%B9A*	 Disable	
	 Enable	Default
<b>Check-sum transmission</b>   *%B9C*	 Disable	
	 Enable	Default
<b>Code ID setting</b>   *%B9D*	Hex 00-FF ASCII	<u>9</u> (Default)
<b>Truncate leading</b>   *%B9G*	0-15	0 (Default)
<b>Truncate ending</b>   *%B9H*	0-15	0 (Default)
<b>Truncate leading zero</b>   *%B9K*	 Disable	
	 Enable	Default













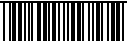



<b>Supplement digits</b>   *%B90*	 None	Default
	 2 digits	
	 5 digits	
	 Auto detection	
<b>ISBN/ISSN</b>   *%B9T*	 Disable	Default
	 Enable	
<b>Insert group number</b>   *%B9M*	00-44	00 (Default)
<b>Exit setting mode</b>   *\$\$%*		









• UPCA

Enter setting mode		
 *%\$\$PRO*		
Function	Option	Remark
<b>Read</b>   *%BAA*	 Disable	
	 Enable	Default
<b>Check-sum transmission</b>   *%BAC*	 Disable	
	 Enable	Default
<b>Code ID setting</b>  *%BAD*	Hex 00-FF ASCII	<u>A</u> (Default)
<b>Truncate leading</b>  *%BAG*	0-15	0 (Default)
<b>Truncate ending</b>  *%BAH*	0-15	0 (Default)
<b>Truncation/ Expansion</b>   *%BAL*	 None	
	 Not Send Zero	Default
	 Expand to EAN13	
















<b>Supplement digits</b>   *%BAO*	 None	Default
	 2 digits	
	 5 digits	
	 UCC/EAN 128	
	 Auto detection	
<b>Insert group number</b>  *%BAM*	00-44	00 (Default)
<b>Exit setting mode</b>   *\$\$%*		





• UPCE

Enter setting mode		
 **%\$\$PRO*		
Function	Option	Remark
<b>Read</b>   **%BBA*	 Disable	
	 Enable	Default
<b>Check-sum transmission</b>   **%BBC*	 Disable	
	 Enable	Default
<b>Code ID setting</b>  **%BBD*	Hex 00-FF ASCII	<u>B</u> (Default)
<b>Truncate leading</b>  **%BBG*	0-15	0 (Default)
<b>Truncate ending</b>  **%BBH*	0-15	0 (Default)
<b>Supplement digits</b>   **%BBO*	 None	Default
	 2 digits	
	 5 digits	
	 UCC/EAN 128	
	 Auto detection	















<b>Insert group number</b>   **%BBM*	00-44	00 (Default)
<b>Expansion</b>   **%BBN*	 Disable	Default
	 Enable	
<b>UPCE-1</b>   **%BBU*	 Disable	Default
	 Enable	
<b>Exit setting mode</b>   **%%*		



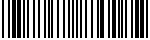
• MSI

Enter setting mode		
 **%\$\$PRO*		
Function	Option	Remark
<b>Read</b>   **%BCA*	 Disable	Default
	 Enable	
<b>Check-sum verification</b>   **%BCB*	 Disable	
	 Mod 10	Default
	 Mod 10/10	
	 Mod 11/10	
<b>Check-sum transmission</b>   **%BCC*	 Disable	Default
	 Enable	
<b>Code ID setting</b>   **%BCD*	Hex 00-FF ASCII	<u>C</u> (Default)
<b>Max. code length</b>   **%BCE*	0-64	0 (Default)
<b>Min. code length</b>   **%BCF*	0-64	0 (Default)

<b>Truncate leading</b>  **%BCG*	0-15	0 (Default)
<b>Truncate ending</b>  **%BCH*	0-15	0 (Default)
<b>Insert group number</b>  **%BCM*	00-44	00 (Default)
<b>Exit setting mode</b> <div style="text-align: center;">           **\$%*       </div>		

• PLESSEY







Enter setting mode		
 **%\$\$PRO*		
Function	Option	Remark
<b>Read</b>   **%BDA*	 Disable	Default
	 Enable	
<b>Check-sum verification</b>   **%BDB*	 Disable	
	 Enable	Default
<b>Check-sum transmission</b>   **%BDC*	 Disable	Default
	 Enable	
<b>Code ID setting</b>   **%BDD*	Hex 00-FF ASCII	<u>D</u> (Default)
<b>Max. code length</b>   **%BDE*	0-64	0 (Default)
<b>Min. code length</b>   **%BDF*	0-64	0 (Default)
<b>Truncate leading</b>   **%BDG*	0-15	0 (Default)

<b>Truncate ending</b>  *%BDH*	0-15	0 (Default)
<b>Insert group number</b>  *%BDM*	00-44	00 (Default)
<b>Exit setting mode</b>   *\$\$%*		















• China post

Enter setting mode		
 **%\$\$PRO*		
Function	Option	Remark
<b>Read</b>   **%BEA*	 Disable	Default
	 Enable	
<b>Code ID setting</b>   **%BED*	Hex 00-FF ASCII	<u>E</u> (Default)
<b>Max. code length</b>   **%BEE*	0-64	11 (Default)
<b>Min. code length</b>   **%BEF*	0-64	0 (Default)
<b>Truncate leading</b>   **%BEG*	0-15	0 (Default)
<b>Truncate ending</b>   **%BEH*	0-15	0 (Default)
<b>Insert group number</b>   **%BEM*	00-44	00 (Default)

• Italian Pharmacode ( CODE 32 )
















Enter setting mode		
 *%\$\$PRO*		
Function	Option	Remark
<b>Read</b>   *%BFA*	 Disable	Default
	 Enable	
<b>Code ID setting</b>   *%BFD*	Hex 00-FF ASCII	<u>E</u> (Default)
<b>Truncate leading</b>   *%BFG*	0-15	0 (Default)
<b>Truncate ending</b>   *%BFH*	0-15	0 (Default)
<b>Leading "A"</b>   *%BFP*	 Disable	Default
	 Enable	
<b>Insert group number</b>   *%BFM*	00-44	00 (Default)
<b>Exit setting mode</b>   *\$\$%*		

• Matrix 2 of 5

Enter setting mode		
 **%\$\$PRO*		
Function	Option	Remark
<b>Read</b>   **%BGA*	 Disable	Default
	 Enable	
<b>Check-sum verification</b>   **%BGB*	 Disable	Default
	 Enable	
<b>Check-sum transmission</b>   **%BGC*	 Disable	Default
	 Enable	
<b>Code ID setting</b>   **%BGD*	Hex 00-FF ASCII	<u>G</u> (Default)
<b>Max. code length</b>   **%BGE*	0-64	0 (Default)
<b>Min. code length</b>   **%BGF*	0-64	0 (Default)
<b>Truncate leading</b>   **%BGG*	0-15	0 (Default)
















<b>Truncate ending</b>  **%BGH*	0-15	0 (Default)
<b>Insert group number</b>  **%BGM*	00-44	00 (Default)
<b>Exit setting mode</b>  **\$\$%*		



• Telepen

Enter setting mode		
 **%\$\$PRO*		
Function	Option	Remark
<b>Read</b>   **%BHA*	 Disable	Default
	 Enable	
<b>Check-sum verification</b>   **%BHB*	 Disable	Default
	 Enable	
<b>Check-sum transmission</b>   **%BHC*	 Disable	Default
	 Enable	
<b>Code ID setting</b>   **%BHD*	Hex 00-FF ASCII	<u>H</u> (Default)
<b>Max. code length</b>   **%BHE*	0-64	0 (Default)
<b>Min. code length</b>   **%BHF*	0-64	0 (Default)
<b>Truncate leading</b>   **%BHG*	0-15	0 (Default)
<b>Truncate ending</b>   **%BHH*	0-15	0 (Default)

<b>Insert group Number</b>  **%BHM*	00-44	00 (Default)
<b>Format</b>  **%BHR*	 Numeric only	Default
	 Full ASCII only	
<b>Exit setting mode</b>  **\$\$%*		





• CODE11

Enter setting mode		
 *% \$\$PRO*		
Function	Option	Remark
<b>Read</b>   *% BIA*	 Disable	Default
	 Enable	
<b>Check-sum verification</b>   *% BIB*	 Disable	
	 One digit	Default
	 Two digit	
<b>Check-sum transmission</b>   *% BIC*	 Disable	Default
	 Enable	
<b>Code ID setting</b>   *% BID*	Hex 00-FF ASCII	⌵ (Default)
<b>Max. code length</b>   *% BIE*	0-64	0 (Default)
<b>Min. code length</b>   *% BIF*	0-64	0 (Default)
<b>Truncate leading</b>   *% BIG*	0-15	0 (Default)











<b>Truncate ending</b>  *%BIH*	0-15	0 (Default)
<b>Insert group number</b>  *%BIM*	00-44	00 (Default)
<b>Exit setting mode</b>  *\$\$%*		

#### 4. String setting / Transmission











- Prefix/Suffix

<b>Enter setting mode</b>   *%\$\$PRO*		
Function	Option	Remark
<b>Prefix characters setting</b>  *%SZA*	Hex 00-FF ASCII 1-22 characters	None (Default)
<b>Suffix characters setting</b>  *%SZB*	Hex 00-FF ASCII 1-22 characters	0D0AH (Default)
<b>Exit setting mode</b>   *\$\$%*		



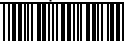















• Preamble / Postamble

Enter setting mode		
 *%\$\$PRO*		
Function	Option	Remark
<b>Preamble characters setting</b>  *%SYA*	Hex 00-FF ASCII 1-22 characters	None (Default)
<b>Preamble transmission</b>  *%SYB*	 Disable	Default
	 Enable	
<b>Postamble characters setting</b>  *%SYC*	Hex 00-FF ASCII 1-22 characters	None (Default)
<b>Postamble transmission</b>  *%SYD*	 Disable	Default
	 Enable	
<b>Exit setting mode</b> <div style="text-align: center;">             *\$\$%*         </div>		

• Insert Group Character

Enter setting mode		
 *%\$\$PRO*		
Function	Option	Remark
<b>Insert G1 characters setting</b>  *%SXA*	Hex 00-FF ASCII 1-22 characters	None (Default)
<b>Insert G2 characters setting</b>  *%SXB*	Hex 00-FF ASCII 1-22 characters	None (Default)
<b>Insert G3 characters setting</b>  *%SXC*	Hex 00-FF ASCII 1-22 characters	None (Default)
<b>Insert G4 characters setting</b>  *%SXD*	Hex 00-FF ASCII 1-22 characters	None (Default)
<b>Insert data group 1 position</b>  *%SXE*	00-63	00: no insertion (Default)
<b>Insert data group 2 position</b>  *%SXF*	00-63	00: no insertion (Default)
<b>Insert data group 3 position</b>  *%SXG*	00-63	00: no insertion (Default)
<b>Insert data group 4 position</b>  *%SXH*	00-63	00: no insertion (Default)
<b>Exit setting mode</b> <div style="text-align: center;">             *\$\$%*         </div>		

• Others









Enter setting mode		
 *%\$\$PRO*		
Function	Option	Remark
<b>Code ID position</b>   *%SWA*	 Before code data	Default
	 After code data	
<b>Code ID transmission</b>   *%SWB*	 Disable	Default
	 Proprietary ID	
	 AIM ID	
<b>Code length transmission</b>   *%SWC*	 Disable	Default
	 Enable	
<b>Code name transmission</b>   *%SWD*	 Disable	Default
	 Enable	
<b>Case conversion</b>   *%SWE*	 Disable	Default
	 Upper case	
	 Lower case	
	For barcode data only	

**Exit setting mode**















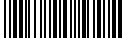



\*\$\$%\*

## 5. Scanner configuration / Reset to default settings

<b>Enter setting mode</b>  *%\$\$PRO*	
Function	Description
<b>Barcode standard parameter list</b>  *%LP1*	After scan this barcode, the host terminal/computer will display barcode standard parameter list of the scanner.
<b>Unique parameter list</b>  *%LP2*	After scan this barcode, the host terminal/computer will display unique parameter list of the scanner.
<b>System parameter list</b>  *%LP3*	After scan this barcode, the host terminal/computer will display system parameter list of the scanner.
<b>String setting list</b>  *%LP4*	After scan this barcode, the host terminal/computer will display string setting list of the scanner.
<b>Firmware version</b>  *%LFV*	After scan this barcode, the host terminal/computer will display firmware version of the scanner.
<b>Reset to default settings</b>  *%RES*	Initialize the scanner and restore the settings to factory default.
<b>Exit setting mode</b>  *\$\$%*	

## Parameter list

Parameter	Bar code
0	 */0*
1	 */1*
2	 */2*
3	 */3*
4	 */4*
5	 */5*
6	 */6*
7	 */7*
8	 */8*
9	 */9*
A	 */A*
B	 */B*
C	 */C*
D	 */D*
E	 */E*
F	 */F*

