



# SW111

2D Bluetooth Barcode Scanner

## User's Manual

Version 1.0 07/06/2023

# Table of Contents

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<b>Table of Contents .....</b>	<b>2</b>
<b>Chapter 1: Important Notice .....</b>	<b>17</b>
1-1 Regulations .....	17
1-2 Safety Precaution.....	18
<b>Chapter 2: Introduction .....</b>	<b>19</b>
2-1 Product Features .....	19
2-2 Product Specification.....	19
2-3 Package Information.....	21
2-4 Default Symbologies.....	23
<b>Chapter 3: BLE Mode .....</b>	<b>25</b>
3-1 LED indication .....	25
3-2 BLE mode selection Code Table.....	26
3-3 BLE mode configuration by user manual.....	27
3-3-1 HID Mode : Third party Bluetooth devices (Mode selection code: 1).....	27
3-3-2 BLE dongle MODE (Mode selection code : 4).....	28
3-4 BLE parameter configuration by user manual .....	29
3-4-1 BT Local Name .....	29
3-4-2 BLE Dongle Address.....	30
<b>Chapter 4 : BLE Connection Mode Instruction.....</b>	<b>30</b>
4-1 How to into pairing mode .....	31
4-2 HID Mode Connection .....	32
4-3 BLE Dongle Mode Connection.....	35
4-3-1 HID mode .....	35
4-3-2 USB-COM mode .....	36
4-3-3 Mode switch.....	37
<b>Chapter 5: BLE / Cable General Setting.....</b>	<b>38</b>
5-1 General BLE Mode Setting.....	38
5-1-1 Mode.....	38
5-1-2 Output Interface.....	39
5-1-3 App Type .....	39

5-1-4 GoodRead Beep Volume .....	40
5-1-5 Warning Beep Volume .....	40
5-1-6 BT Pairing .....	41
5-1-7 Pairing Time .....	41
5-1-8 Good Read Beep Freq .....	42
5-1-9 Good Read Beep Time.....	43
5-1-10 Scan Time .....	43
5-1-11 Scan Idle Time .....	44
5-1-12 Standby Time .....	45
5-1-13 Tx Preamble.....	45
5-1-14 Preamble data .....	46
5-1-15 Tx Postamble .....	46
5-1-16 Postamble data .....	47
5-1-17 Tx Prefix.....	47
5-1-18 Prefix data .....	48
5-1-19 Tx Suffix .....	48
5-1-20 Suffix data .....	49
5-1-21 Tx CodeName .....	49
5-1-22 Tx Codeld.....	50
5-1-23 Codeld Position .....	50
5-1-24 Tx Code Length.....	50
5-1-25 ForceCase .....	51
5-1-26 Tx Delimiter .....	51
5-1-27 DelimiterChar .....	52
5-1-28 Tx Control Code.....	52
5-1-29 Date & Time Transmission.....	53
5-1-30 Date/Time Position .....	53
5-1-31 DateTimeSpareChar .....	54
5-1-32 BarUtf8Convert .....	54
<b>5-2 General Cable Mode Setting.....</b>	<b>55</b>
5-2-1 Mode.....	55
5-2-2 Output Interface.....	56
5-2-3 App Type .....	56
5-2-4 Good Read Beep Volume .....	57
5-2-5 Warning Beep Volume .....	57
5-2-6 Power on light .....	58
5-2-7 Good Read Beep Freq .....	58
5-2-8 Good Read Beep Time.....	59

5-2-9 Scan Time .....	59
5-2-10 Tx Preamble.....	60
5-2-11 Preamble data .....	60
5-2-12 Tx Postamble .....	61
5-2-13 Postamble data .....	61
5-2-14 Tx Prefix.....	62
5-2-15 Prefix data .....	62
5-2-16 Tx Suffix .....	63
5-2-17 Suffix data .....	63
5-2-18 Tx CodeName .....	64
5-2-19 Tx Codeld.....	64
5-2-20 Codeld Position .....	64
5-2-21 Tx Code Length.....	65
5-2-22 ForceCase .....	65
5-2-23 Tx Delimiter .....	66
5-2-24 DelimiterChar .....	66
5-2-25 Tx Control Code.....	67
5-2-26 Date & Time Transmission.....	67
5-2-27 Date/Time Position .....	68
5-2-28 DateTimeSpareChar .....	68
5-2-29 BarUtf8Convert .....	69

**Chapter 6: General configuration setting ..... 70**

6-1 Host Interface .....	70
6-1-1 Version .....	70
6-1-2 Abort Setting .....	71
6-1-3 Enter ISP Mode.....	71
6-1-4 Barcode Default.....	72
6-1-5 All Default.....	72
6-1-6 Parameter List .....	73
6-2 Output Interface-USB HID Keyboard Type .....	75
6-2-1 Caps Lock.....	75
6-2-2 Num Lock .....	75
6-2-3 Shift Release Caps Lock .....	76
6-2-4 Transmission Timeout .....	76
6-2-5 Transmission Char Delay .....	77
6-2-6 Transmission Char Gap Time .....	77
6-2-7 Transmission Record Gap Time .....	78

6-2-8 Output Language.....	78
6-2-9 USB HID Layout Setting .....	79
<b>6-3 Output Interface – USB SPP(Virtual COM) Type.....</b>	<b>80</b>
6-3-1 Communication Protocol .....	80
6-3-2 <STX> & <ETX> Characters .....	80
6-3-3 Command Mode .....	80
6-3-4 Retransmission Count .....	81
6-3-5 ACK Timeout.....	82
6-3-6 Transmission Timeout .....	83
6-3-7 Transmission Char Delay .....	84
6-3-8 Transmission Char Gap Time .....	84
6-3-9 Transmission Record Gap Time .....	85
<b>6-4 Output Interface - BLE HID Type.....</b>	<b>86</b>
6-4-1 Caps Lock.....	86
6-4-2 Num Lock .....	87
6-4-3 Shift Release Caps Lock .....	87
6-4-4 Transmission Timeout .....	88
6-4-5 Transmission Char Delay .....	89
6-4-6 Transmission Char Gap Time .....	89
6-4-7 Transmission Record Gap Time .....	90
6-4-8 Output Language.....	90
6-4-9 BLE HID Layout Setting .....	91
<b>6-5 System Control.....</b>	<b>92</b>
6-5-1 OP Mode .....	92
6-5-2 System Beep Volume.....	92
6-5-3 Date format .....	93
6-5-4 Time format .....	93
6-5-5 Date Separator .....	94
6-5-6 Time Separator .....	94
6-5-7 STX Escape Character .....	95
6-5-8 ETX Escape Character .....	95
6-5-9 Setup Timeout Time .....	96
6-5-10 Set Date & Time .....	97
<b>Chapter 7: Symbology Settings.....</b>	<b>98</b>
7-1 Barcode Symbologies Default setting Chart .....	98
7-2 UPC-A.....	100
7-2-1 Read .....	100

7-2-2 Check Digit .....	100
7-2-3 Addon2.....	100
7-2-4 Addon5.....	101
7-2-5 Wait Add-On.....	101
7-2-6 Add on Separator .....	101
7-2-7 Coupon Gs1DataBar Output .....	102
7-2-8 Extended Coupon Code.....	102
7-2-9 Wait Add on Time .....	103
7-2-10 ConvertUpcaToEan13 .....	103
7-2-11 Truncate Leading .....	104
7-2-12 Truncate Ending .....	104
7-2-13 Truncate Zero .....	105
7-2-14 Insertion1DataPosition .....	105
7-2-15 Insertion1Data .....	106
7-2-16 Insertion2DataPosition .....	106
7-2-17 Insertion2Data .....	107
<b>7-3 UPC-E .....</b>	<b>108</b>
7-3-1 Read .....	108
7-3-2 Expansion .....	108
7-3-3 Check Digit .....	108
7-3-4 Addon2.....	109
7-3-5 Addon5.....	109
7-3-6 Wait Addon .....	109
7-3-7 Addon Separator .....	110
7-3-8 Wait Addon Time .....	110
7-3-9 TruncateLeading.....	111
7-3-10 TruncateEnding .....	111
7-3-11 TruncateZero .....	112
7-3-12 Insertion1DataPosition .....	112
7-3-13 Insertion1Data .....	113
7-3-14 Insertion2DataPosition .....	113
7-3-15 Insertion2Data .....	114
<b>7-4 EAN-13 .....</b>	<b>115</b>
7-4-1 Read .....	115
7-4-2 Check Digit .....	115
7-4-3 Addon2.....	115
7-4-4 Addon5.....	116
7-4-5 Wait Addon .....	116

7-4-6 Addon Separator .....	116
7-4-7 ISBN Conversion .....	117
7-4-8 Wait Addon Time .....	117
7-4-9 Truncate Leading .....	118
7-4-10 Truncate Ending .....	118
7-4-11 Truncate Zero .....	119
7-4-12 Insertion1DataPosition .....	119
7-4-13 Insertion1Data .....	120
7-4-14 Insertion2DataPosition .....	120
7-4-15 Insert2Data.....	121
<b>7-5 EAN-8.....</b>	<b>122</b>
7-5-1 Read .....	122
7-5-2 Check Digit .....	122
7-5-3 Addon2.....	122
7-5-4 Addon5.....	123
7-5-5 Wait Addon .....	123
7-5-6 Addon Separator .....	123
7-5-7 Wait Addon Time .....	124
7-5-8 Truncate Leading .....	124
7-5-9 Truncate Ending .....	125
7-5-10 Truncate Zero .....	125
7-5-11 Insertion1DataPosition .....	126
7-5-12 Insertion1Data .....	126
7-5-13 Insertion2DataPosition .....	127
7-5-14 Insertion2Data .....	127
<b>7-6 MSI.....</b>	<b>128</b>
7-6-1 Read .....	128
7-6-2 Chksum Verification .....	128
7-6-3 Min Code Length .....	129
7-6-4 Max Code Length .....	129
7-6-5 Truncate Leading .....	130
7-6-6 Truncate Ending .....	130
7-6-7 Truncate Zero .....	131
7-6-8 Insertion1DataPosition .....	131
7-6-9 Insertion1Data .....	132
7-6-10 Insertion2DataPosition .....	132
7-6-11 Insertion2Data .....	133
<b>7-7 Gs1Databar .....</b>	<b>134</b>

7-7-1 Omnidirectional Read .....	134
7-7-2 Limited Read .....	134
7-7-3 Expanded Read.....	134
7-7-4 Expanded Min Code Length .....	135
7-7-5 Expanded Max Code Length.....	135
7-7-6 Truncate Leading .....	136
7-7-7 Truncate Ending .....	137
7-7-8 Truncate Zero .....	138
7-7-9 Insertion1DataPosition .....	139
7-7-10 Insertion1Data .....	140
7-7-11 Insertion2DataPosition .....	141
7-7-12 Insertion2Data .....	142
<b>7-8 Gs1 Composite.....</b>	<b>143</b>
7-8-1 Read .....	143
7-8-2 Upc/ Ean Version.....	143
7-8-3 Gs1Emulation .....	144
<b>7-9 Codablock .....</b>	<b>145</b>
7-9-1 CodablockARead .....	145
7-9-2 CodablockFRead.....	145
7-9-3 Min Code Length.....	146
7-9-4 Max Code Length .....	147
7-9-5 Truncate Leading.....	148
7-9-6 Truncate Ending .....	149
7-9-7 Truncate Zero .....	150
7-9-8 Insertion1DataPosition .....	150
7-9-9 Insertion1Data .....	151
7-9-10 Insertion2DataPosition .....	152
7-9-11 Insertion2Data .....	153
<b>7-10 PDF417.....</b>	<b>154</b>
7-10-1 Pdf417 Read .....	154
7-10-2 MacroPdf417 Read.....	154
7-10-3 Poor Quality PDF Codes Read .....	155
7-10-4 MicroPdf417 Read.....	155
7-10-5 Min Code Length .....	156
7-10-6 Max Code Length .....	157
7-10-7 Truncate Leading.....	158
7-10-8 Truncate Ending .....	159
7-10-9 Truncate Zero .....	159



7-10-10 Insertion1DataPosition .....	160
7-10-11 Insertion1Data .....	161
7-10-12 Insertion2DataPosition .....	162
7-10-13 Insertion2Data .....	163
<b>7-11 Tlc39 .....</b>	<b>164</b>
7-11-1 Read .....	164
7-11-2 Truncate Leading .....	164
7-11-3 Truncate Ending .....	165
7-11-4 Truncate Zero .....	165
7-11-5 Insertion1DataPosition .....	166
7-11-6 Insertion1Data .....	166
7-11-7 Insertion2DataPosition .....	167
7-11-8 Insertion2Data .....	167
<b>7-12 QR Code .....</b>	<b>168</b>
7-12-1 Read .....	168
7-12-2 Append .....	168
7-12-3 Min Code Length .....	169
7-12-4 Max Code Length .....	169
7-12-5 Truncate Leading .....	170
7-12-6 Truncate Ending .....	170
7-12-7 Truncate Zero .....	171
7-12-8 Insertion1DataPosition .....	171
7-12-9 Insertion1Data .....	172
7-12-10 Insertion2DataPosition .....	172
7-12-11 Insertion2Data .....	173
<b>7-13 Data Matrix .....</b>	<b>174</b>
7-13-1 Read .....	174
7-13-2 Min Code Length .....	174
7-13-3 Max Code Length .....	175
7-13-4 Truncate Leading .....	175
7-13-5 Truncate Ending .....	175
7-13-6 Truncate Zero .....	176
7-13-7 Insertion1DataPosition .....	177
7-13-8 Insertion1Data .....	177
7-13-9 Insertion2DataPosition .....	178
7-13-10 Insertion2Data .....	178
<b>7-14 MaxiCode .....</b>	<b>179</b>
7-14-1 Read .....	179

7-14-2 Min Code Length .....	179
7-14-3 Max Code Length .....	180
7-14-4 Truncate Leading .....	180
7-14-5 Truncate Ending .....	181
7-14-6 Truncate Zero .....	181
7-14-7 Insertion1DataPosition .....	182
7-14-8 Insertion1Data .....	182
7-14-9 Insertion2DataPosition .....	183
7-14-10 Insertion2Data .....	183
<b>7-15 Aztec .....</b>	<b>184</b>
7-15-1 Read .....	184
7-15-2 Append.....	184
7-15-3 Min Code Length .....	185
7-15-4 Max Code Length .....	185
7-15-5 Truncate Leading .....	186
7-15-6 Truncate Ending .....	186
7-15-7 Truncate Zero .....	187
7-15-8 Insertion1DataPosition .....	187
7-15-9 Insertion1Data .....	188
7-15-10 Insertion2DataPosition .....	188
7-15-11 Insertion2Data .....	189
<b>7-16 Chinese Sensible(HanXinCode) .....</b>	<b>190</b>
7-16-1 Read .....	190
7-16-2 Min Code Length .....	190
7-16-3 Max Code Length .....	191
7-16-4 Truncate Leading .....	191
7-16-5 Truncate Ending .....	192
7-16-6 Truncate Zero .....	192
7-16-7 Insertion1DataPosition .....	193
7-16-8 Insertion1Data .....	193
7-16-9 Insertion2DataPosition .....	194
7-16-10 Insertion2Data .....	194
<b>7-17 Codabar (Nw7) .....</b>	<b>195</b>
7-17-1 Read .....	195
7-17-2 Start/End Transmission .....	195
7-17-3 Chksum Digit .....	195
7-17-4 Concatenation .....	196
7-17-5 Min Code Length .....	197

7-17-6 Max Code Length .....	197
7-17-7 Concatenation Time Out .....	198
7-17-8 Truncate Leading .....	198
7-17-9 Truncate Ending .....	199
7-17-10 Truncate Zero .....	199
7-17-11 Insertion 1Data Position .....	200
7-17-12 Insertion1Data .....	200
7-17-13 Insertion2DataPosition .....	201
7-17-14 Insertion2Data .....	201
<b>7-18 Code39.....</b>	<b>202</b>
7-18-1 Read .....	202
7-18-2 Chksum Verification .....	202
7-18-3 Start/End Transmission .....	203
7-18-4 Type.....	203
7-18-5 Min Code Length .....	204
7-18-6 Max Code Length .....	204
7-18-7 Code32 Fmt.....	205
7-18-8 Truncate Leading .....	205
7-18-9 Truncate Ending .....	206
7-18-10 Truncate Zero .....	206
7-18-11 Insertion1DataPosition .....	207
7-18-12 Insertion1Data .....	208
7-18-13 Insertion2DataPosition .....	209
7-18-14 Insertion2Data .....	210
<b>7-19 Interleaved2of5 .....</b>	<b>211</b>
7-19-1 Read .....	211
7-19-2 Chksum Digit .....	211
7-19-3 Min Code Length .....	212
7-19-4 Max Code Length .....	212
7-19-5 Truncate Leading .....	213
7-19-6 Truncate Ending .....	213
7-19-7 Truncate Zero .....	214
7-19-8 Insertion1DataPosition .....	214
7-19-9 Insertion1Data .....	215
7-19-10 Insertion2DataPosition .....	215
7-19-11 Insertion2Data .....	216
<b>7-20 Nec2of5 .....</b>	<b>217</b>
7-20-1 Read .....	217

7-20-2 Chksum Digit .....	217
7-20-3 Min Code Length .....	218
7-20-4 Max Code Length .....	218
7-20-5 Truncate Leading .....	219
7-20-6 Truncate Ending .....	219
7-20-7 Truncate Zero .....	220
7-20-8 Insertion1DataPosition .....	220
7-20-9 Insertion1Data .....	221
7-20-10 Insertion2DataPosition .....	221
7-20-11 Insertion2Data .....	222
<b>7-21 Code93.....</b>	<b>223</b>
7-21-1 Read .....	223
7-21-2 Append.....	223
7-21-3 Min Code Length .....	224
7-21-4 Max Code Length .....	224
7-21-5 Truncate Leading .....	225
7-21-6 Truncate Ending .....	225
7-21-7 Truncate Zero .....	226
7-21-8 Insertion1DataPosition .....	226
7-21-9 Insertion1Data .....	227
7-21-10 Insertion2DataPosition .....	227
7-21-11 Insertion2Data .....	228
<b>7-22 Straight2of5 (Industrial2of5) .....</b>	<b>229</b>
7-22-1 Read .....	229
7-22-2 Min Code Length .....	230
7-22-3 Max Code Length .....	231
7-22-4 Truncate Leading .....	232
7-22-5 Truncate Ending .....	232
7-22-6 Truncate Zero .....	233
7-22-7 Insertion1DataPosition .....	233
7-22-8 Insertion1Data .....	234
7-22-9 Insertion2DataPosition .....	234
7-22-10 Insertion2Data .....	235
<b>7-23 Matrix2of5 .....</b>	<b>236</b>
7-23-1 Read .....	236
7-23-2 Min Code Length .....	236
7-23-3 Max Code Length .....	237
7-23-4 Truncate Leading .....	237

7-23-5 Truncate Ending .....	237
7-23-6 Truncate Zero .....	238
7-23-7 Insertion1DataPosition .....	239
7-23-8 Insertion1Data .....	239
7-23-9 Insertion2DataPosition .....	240
7-23-10 Insertion2Data .....	240
<b>7-24 Code11.....</b>	<b>241</b>
7-24-1 Read .....	241
7-24-2 Chksum Digit .....	241
7-24-3 Min Code Length .....	242
7-24-4 Max Code Length .....	242
7-24-5 Truncate Leading .....	243
7-24-6 Truncate Ending .....	243
7-24-7 Truncate Zero .....	244
7-24-8 Insertion1DataPosition .....	244
7-24-9 Insertion1Data .....	245
7-24-10 Insertion2DataPosition .....	245
7-24-11 Insertion2Data .....	246
<b>7-25 Code128.....</b>	<b>247</b>
7-25-1 Read .....	247
7-25-2 Append.....	247
7-25-3 ISBT Concatenation .....	248
7-25-4 Min Code Length .....	248
7-25-5 Max Code Length .....	249
7-25-6 Truncate Leading .....	249
7-25-7 Truncate Ending .....	250
7-25-8 Truncate Zero .....	250
7-25-9 Insertion1DataPosition .....	251
7-25-10 Insertion1Data .....	251
7-25-11 Insertion2DataPosition .....	252
7-25-12 Insertion2Data .....	252
<b>7-26 Gs1-128.....</b>	<b>253</b>
7-26-1 Read .....	253
7-26-2 Min Code Length .....	253
7-26-3 Max Code Length .....	254
7-26-4 Truncate Leading .....	254
7-26-5 Truncate Ending .....	254
7-26-6 Truncate Zero .....	255

7-26-7 Insertion1DataPosition .....	256
7-26-8 Insertion1Data .....	256
7-26-9 Insertion2DataPosition .....	257
7-26-10 Insertion2Data .....	257
<b>7-27 2D Postal.....</b>	<b>258</b>
7-27-1 Read .....	258
7-27-2 Postnet Tx CheckDigit.....	259
7-27-3 Planet Tx CheckDigit.....	260
7-27-4 Australian Post Interpretation.....	260
7-27-5 Truncate Leading .....	261
7-27-6 Truncate Ending .....	263
7-27-7 Truncate Zero .....	265
7-27-8 Insertion1DataPosition .....	267
7-27-9 Insertion1Data .....	269
7-27-10 Insertion2DataPosition .....	271
7-27-11 Insertion2Data .....	273
<b>7-28 China Post (HongKong2of5) .....</b>	<b>275</b>
7-28-1 Read .....	275
7-28-2 Min Code Length .....	275
7-28-3 Max Code Length .....	276
7-28-4 Truncate Leading .....	276
7-28-5 Truncate Ending .....	277
7-28-6 Truncate Zero .....	277
7-28-7 Insertion1DataPosition .....	278
7-28-8 Insertion1Data .....	278
7-28-9 Insertion2DataPosition .....	279
7-28-10 Insertion2Data .....	279
<b>7-29 Korea Post.....</b>	<b>280</b>
7-29-1 Read .....	280
7-29-2 Tx Checkdigit .....	280
7-29-3 Min Code Length .....	281
7-29-4 Max Code Length .....	281
7-29-5 Truncate Leading .....	281
7-29-6 Truncate Ending .....	282
7-29-7 Truncate Zero .....	283
7-29-8 Insertion1DataPosition .....	283
7-29-9 Insertion1Data .....	284
7-29-10 Insertion2DataPosition .....	284

7-29-11 Insertion2Data .....	285
<b>7-30 Telepen .....</b>	<b>286</b>
7-30-1 Read .....	286
7-30-2 Output.....	286
7-30-3 Min Code Length .....	287
7-30-4 Max Code Length .....	287
7-30-5 Truncate Leading .....	288
7-30-6 Truncate Ending .....	288
7-30-7 Truncate Zero .....	289
7-30-8 Insertion1DataPosition .....	289
7-30-9 Insertion1Data .....	290
7-30-10 Insertion2DataPosition .....	290
7-30-11 Insertion2Data .....	291
<b>7-31 Gs1AppID or GS1FNC1.....</b>	<b>292</b>
7-31-1 AppIDSw .....	292
7-31-2 AppIDConChar.....	292
7-31-3 FNC1Sw .....	293
7-31-4 FNC1Char .....	293
<b>7-32 BarcodeID .....</b>	<b>294</b>
7-32-1 BarcodeID Default .....	294
7-32-2 Barcode ID Setting.....	296

**Appendix A: Hexadecimal / Decimal Table ..... 298**

**Appendix B: ASCII Code Table ..... 300**

**Appendix C: A-306 Dongle Setting..... 301**

1 System.....	301
1-1 Version.....	301
<b>2 HID mode .....</b>	<b>302</b>
2-1 Caps Lock.....	302
2-2 Num Lock.....	302
2-3 Hid Keyboard Layout .....	303
2-4 Output language.....	304
2-5 Transmission Char Delay.....	304
2-6 Transmission Char Gap Time .....	305
2-7 Transmission Record Gap Time .....	306
<b>3 USB COM mode .....</b>	<b>307</b>
3-1 Transmission Char Delay.....	307
3-2 Transmission Char Gap Time .....	308

3-3 Transmission Record Gap Time .....	309
4 Dongle Hexadecimal / Decimal table.....	310
5 Other Dongle Setting .....	312
5-1 Get Dongle Mac Address.....	312
5-2 Set Master Scanner Mac Address.....	313



# Chapter 1: Important Notice

---

## 1-1 Regulations

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiated radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

## 1-2 Safety Precaution

- Do not stare the scanning light source beam.
- Do not touch the device transparent window, reading performance might decrease if transparent window is dirty or scratch.
- Do not disassemble or modify the internal components from the scanner.
- Do not expose the scanner to any flammable source.
- Do not over charge the battery.

### Lithium-Ion polymer Battery

- The Lithium-Ion polymer battery energy density is less than 400 Wh/L. Therefore, PSE certification does not required in this product.
- The first, initial charge will take up four hours to fully charge your battery.
- Do not assemble / disassemble the battery without technical support.
- Do not use unspecified power adapter to charge the battery.
- During the charging process, if red color LED indicator keeps flashing rapidly, terminate the charging, and return the scanner to authorized dealers.
- Once battery leakage or abnormal odor occurs, terminate the current operation, and return the scanner to authorized dealers.
- Once batteries leak, avoid contact with skins or eyes. To clean up the battery leakage, rinse the affected parts with fresh water, and consult the doctor immediately.
- When receiving the scanner, charge the battery first.

## Chapter 2: Introduction

---

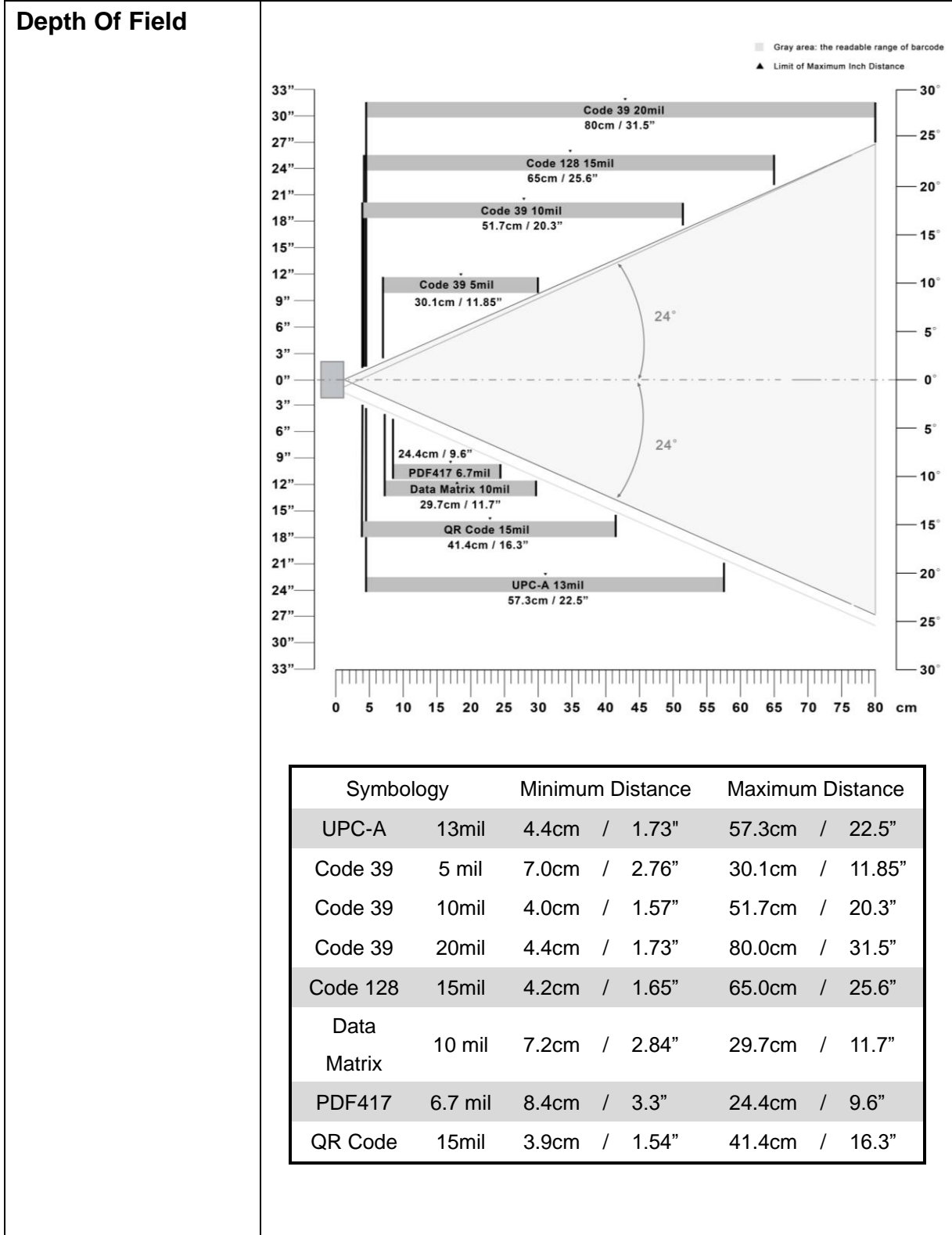
### 2-1 Product Features

- Ergonomic and lightweight.
- Two in one functions (BLE/ Cabled).
- USB cable can be used as cabled scanner and battery charging cable.
- Two different Bluetooth mode (HID, BLE Dongle) to communicate between PC, mobile phone, PDA ,BLE Dongle.
- Programmable time stamp and output data format.
- Programmable Beep tone, volume.

### 2-2 Product Specification

<b>Output Interface Support</b>	USB COM, USB HID
<b>Readable Barcode Type</b>	1D : EAN/UPC, RSS, Code 39, Code 128, UCC/EAN 128, ISBN, ISBT, Interleaved, Matrix, Industrial and Standard 2 of 5, Codabar, Code 93/93i, Code 11, MSI/Plessey, Telepen, Postal Codes
	2D : Codablock A, Codablock F, PDF417, MicroPDF417, Aztec Code, Data Matrix, MaxiCode, QR Code, Chinese Sensible(Han Xin) code Postal Codes: Australian Post, British Post, Canadian Post, China Post, Japanese Post, Korea Post, Netherlands Post, Planet Code, Postnet
<b>Sensor</b>	1280 x 800 pixels Global Shutter
<b>Pcs</b>	Up to 0.3
<b>Scan Rate</b>	60 frames per second
<b>Scan Angles</b>	Tilt: 360 °, Pitch± 60 °, Skew : ± 60 °
<b>Field Of View</b>	Horizontal Field : 48 ° Vertical Field : 31 °
<b>Depth Of Field</b>	Minimum Distance : 4cm / 1.57in ( Code 39, PSC 0.9, 10mil )
	Maximum Distance : 51.7cm / 20.3in ( Code 39, PSC 0.9, 10mil )
<b>Light Source</b>	White LED illumination ; 650nm high-visibility red leaser ( class 2 laser safety )
<b>Reading Indicator</b>	Green LED and Buzzer
<b>Led Indicator</b>	4 color : Red, Green, Blue, White
<b>Configuration</b>	User manual
<b>Weight</b>	163g ( without cable )

<b>Cable</b>	1.8m straight type
<b>Size</b>	193.5(L) x 71.9(w) x 68(H) mm
<b>Environment Humidity</b>	5%-95%RH
<b>Working Temperature</b>	-30~60 °C ( -22 to 140°F )
<b>Storage Temperature</b>	-40~70 °C ( -40 to 158°F )
<b>Wireless Connection</b>	Bluetooth 5.0, IEEE 802.15.4, 2.4 GHz Transceiver, support HID profile and iOS
<b>Battery</b>	Li-Ion Battery ( 3.6V, 2040mAh ) and charge via USB port
<b>Voltage</b>	DC 5V ± 5%
<b>Ambient Light</b>	0 to 100,000 lux
<b>Drop Durability</b>	1.2m testing pending
<b>Safety Standard</b>	FCC & CE, VCCI certificate pending
<b>Power Consumption</b>	Under 300mA ( operation ) , Under 100mA ( standby )
<b>Calculated MTBF</b>	375,000 hours



## 2-3 Package Information

The contents of the package may vary depending on your order. While some primary devices avail the users of their fundamental functionality, some

optional items are also available for your purchase to maximize efficiency of our product.

Inside the package contain the following items:

- SW111 Wireless 2D Barcode Scanner
- Quick Start Guide
- Type C magnetic cable
- Stand(Optional)
- A-306 Dongle(Optional)

## 2-4 Default Symbologies

Symbologies		Default setting
UPC-A		<b>Enabled</b>
UPC-E		<b>Enabled</b>
EAN-8		<b>Enabled</b>
EAN-13		<b>Enabled</b>
Msi		Disabled
Gs1 Databar	Omnidirectional	<b>Enabled</b>
	Limited	<b>Enabled</b>
	Expanded	<b>Enabled</b>
Gs1 Composite		Disabled
Codablock	CodablockA	Disabled
	CodablockF	Disabled
PDF417	PDF417	<b>Enabled</b>
	MacroPdf417	<b>Enabled</b>
	MicroPdf417	Disabled
Tlc39		Disabled
QR Code		<b>Enabled</b>
DataMatrix		<b>Enabled</b>
MaxiCode		Disabled
Aztec Code		<b>Enabled</b>
ChineseSensible(HanXinCode)		Disabled
Codabar(Nw7)		<b>Enabled</b>
Code39		<b>Enabled</b>
Interleaved2of5		<b>Enabled</b>
Nec2of5		<b>Enabled</b>

Code93		<b>Enabled</b>
Straight2of5(Industrial2of5)	Straight2of5 (Industrial2of5)	Disabled
	Straight2of5IATA	Disabled
Matrix2of5		Disabled
Code11		Disabled
Code-128		<b>Enabled</b>
Gs1-128		Disabled
2DPostal		Disabled
ChinaPost(HongKong2of5)		Disabled
KoreaPost		Disabled
Telepen		Disabled



## Chapter 3: BLE Mode

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User can configure different BLE connection mode in different Bluetooth environment.

1. HID Mode(Third party Bluetooth devices with USB HID mode)
2. BLE Dongle(Original factory dongle, USB-HID / USB-COM configurable)

### 3-1 LED indication

Mode indication:

	Description
Red	When something gets wrong, the red LED will be on.
Green	Under Cable mode, the green LED indicator will be flash per 3 seconds.
	Good Read Indicator indicates whether the barcode is successfully decoded. Green LED shows a successful decoding attempt.
Blue	Under BLE mode and BLE is not connected, the blue LED indicator will be flash per 3 seconds.
	When power on and BLE is connected, the blue LED will be on.

Power indication:

	Description
White	<p>White LED shows the power status information.</p> <ol style="list-style-type: none"> <li>1. When connect cable for battery recharge, the LED will change from off to on and then to off, repeat the cycle until battery power is full then become constantly on.</li> <li>2. While it is not under battery recharge status, this LED will be off.</li> <li>3. While under BLE mode, this white LED will indicate different status as below:               <ol style="list-style-type: none"> <li>(1).When battery is low, the white LED will quick-flash 2 times and then off, per 2 seconds.</li> <li>(2).When battery is low but still can work, the white LED will flash 1 time and then off, per 2 seconds.</li> <li>(3).When battery is too low to work, LED will on with a long beep</li> </ol> </li> </ol>

	and then power off.
--	---------------------

### 3-2 BLE mode selection Code Table




Bluetooth mode selection code Table		
Mode	Description	Mode selection Code
HID Mode	Third party Bluetooth dongle or build in Bluetooth device with USB HID mode	1
BLE Dongle Mode	Applied to original factory dongle, USB-HID / USB-COM configurable	4

## 3-3 BLE mode configuration by user manual

### 3-3-1 HID Mode : Third party Bluetooth devices ( Mode selection code: 1)

This mode is for user to configure with third party Bluetooth dongle, or build-in Bluetooth device with USB HID.




For HID mode Configuration, please scan below barcodes step by step.

<b>Procedure:</b>	
(1) Enter: (Enter setting)	
(2) Mode: (selection Hid)	
(3) End (Exit setting)	

### 3-3-2 BLE dongle MODE (Mode selection code : 4)

This mode is for user to configure with purchased original factory dongle, and it is **USB-HID / USB-COM configurable**.

For BLE Dongle mode configuration, please scan below barcodes step by step.





Procedure	
(1)Enter: (Enter setting)	
(2)Mode: (selection BLE Dongle)	
(3)End: (Exit setting)	

## 3-4 BLE parameter configuration by user manual

### 3-4-1 BT Local Name

For Hid Mode. This option enables to assign Bluetooth the scanner name. Please refer to the HEX ASCII table (Form 0~9, A~F). The first digit and last digit cannot be space or "-". If scanner name setting is incorrect, connection failure will occur.

Configuration	Max. Configurable Length	Default Setting
Please refer to ASCII table	32 digits	SmartBle

Procedure:	
(1) Enter: (Enter setting)	
(2) BT Local Name	
(3) Scan Hexadecimal/Decimal Barcode table for input parameters.	
(4) OK : (Selection confirmed)	
(5) End: (Exit setting)	





Example:
<b>Set Local name as "SmartBle"</b>
(A) Scan "Enter" barcode
(B) Scan "BT Local Name" barcode
(C) Scan parameters from Hexadecimal / Decimal barcode table =>"5", "3", "6", "D", "6", "1", "7", "2", "7", "4", "4", "2", "6", "c", "6", "5" → "OK" (configured as "SmartBle", Please refer to ASCII TABLE)
(D) Scan "End" Barcode

### 3-4-2 BLE Dongle Address

Mac address configuration, total of 12 digits, Please refer to the HEX ASCII table (From 0~9, A~F).

Configuration	Max. Configurable Length	Default Setting
Hexadecimal / decimal barcode table	12 digits	000000000000

#### Procedure:

- (1) Enter: (Enter setting) 
- (2) BLE Dongle Address 
- (3) Scan Hexadecimal/Decimal Barcode table for input parameters.
- (4) OK : (Selection confirmed) 
- (5) End: (Exit setting) 

#### Example:

##### Set Remote Mac Address to 7F2D72DC5AE0

- A. Scan "Enter" barcode
- B. Scan "BLE Dongle Address" barcode
- C. Scan parameters from Hexadecimal /decimal barcode table =>"7", "F", "2", "D", "7", "2", "D", "C", "5", "A", "E", "0" → "OK" (Set "BLE Dongle Address" value to **7F2D72DC5AE0**)
- D. Scan "End" barcode

**★Note:**

If scanner connection mode is "BLE Dongle" mode, configuration of Mac address does required, and the configuration cannot be "000000000000"

## Chapter 4 : BLE Connection Mode

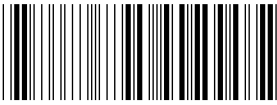
# Instruction

---

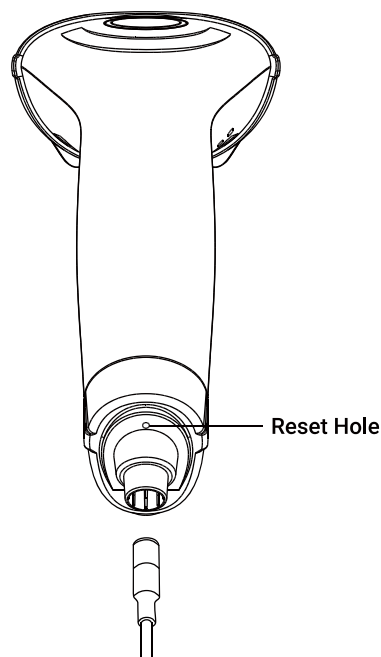
## 4-1 How to into pairing mode

There are two ways to get into pairing mode:

1. Scan following barcodes to get into pairing mode.

Enter	
Pairing Mode	

2. Take one paper clip to press on the “reset hole “ from the bottom of scanner for 0.5 second as below picture.

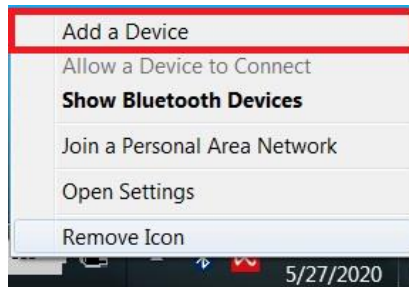


★ **Note** : Press the paper clip on the “reset hole” for around 0.5 second, do not press it for long time to avoid entering into other operation mode.

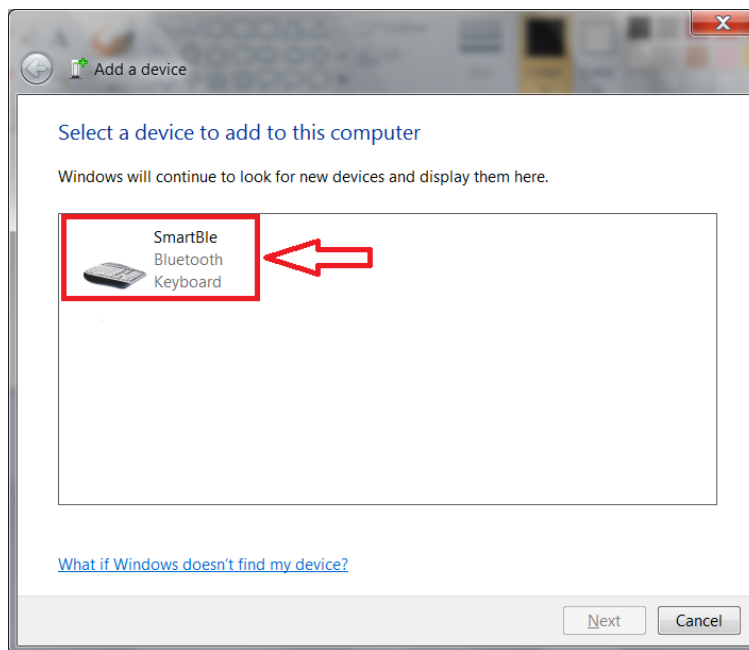
## 4-2 HID Mode Connection

- **Make sure the Mode selection code is configured as “1”. Please refer to chapter 4-3-1**

1. After connect Dongle and PC, it will show Bluetooth sign in system display. Click right button of the mouse. It will show screen below:



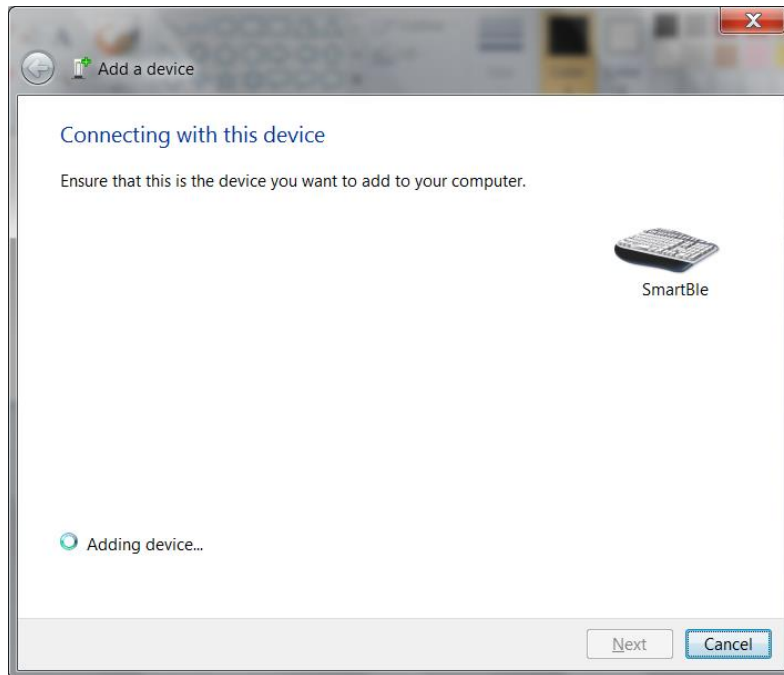
2. Select” **Add a Device**”, it starts to search nearby available Bluetooth device. Make the scanner into pairing mode. In the meantime, if it can find available connecting Bluetooth device, then it will show screen below:



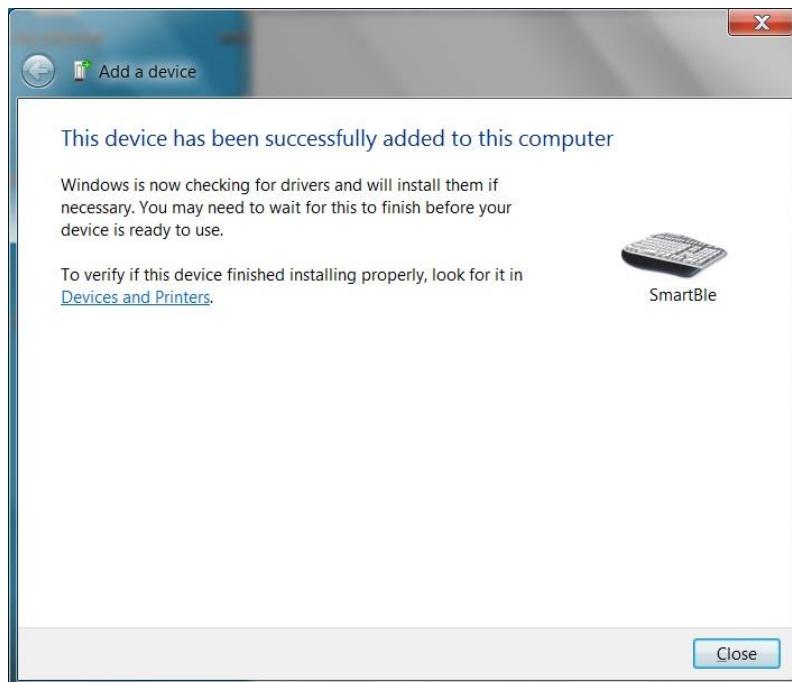
From all the finding Bluetooth device, search pairing device and click left button of the mouse.



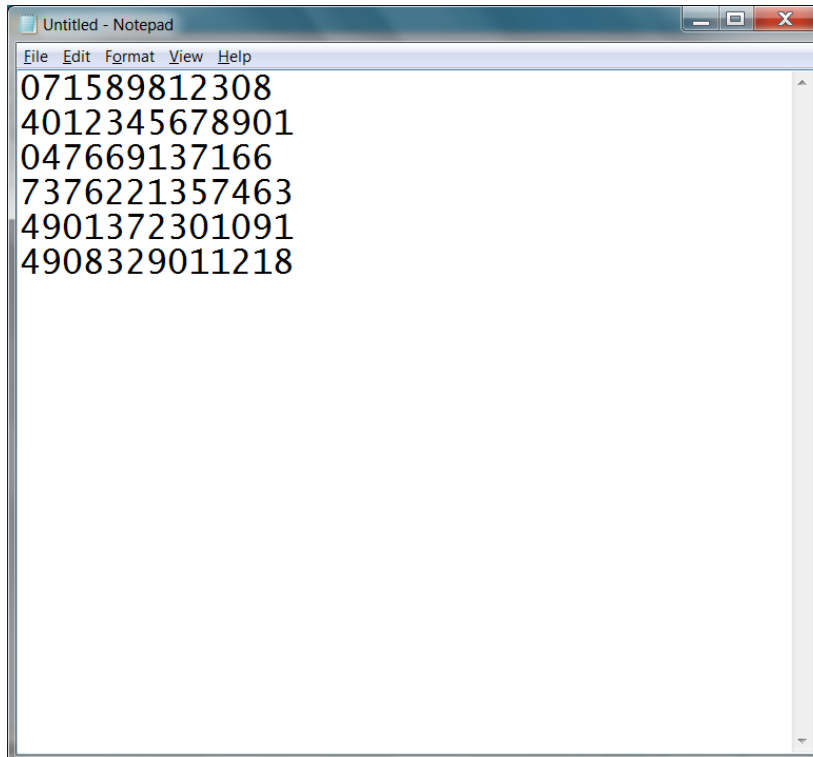
It will start to connect Bluetooth connection, then it will show screen below:



When it connects successfully, it will show up the following screen:



3. In the meantime, turn on the software to receive scanned result and scan barcode. It will show screen below:



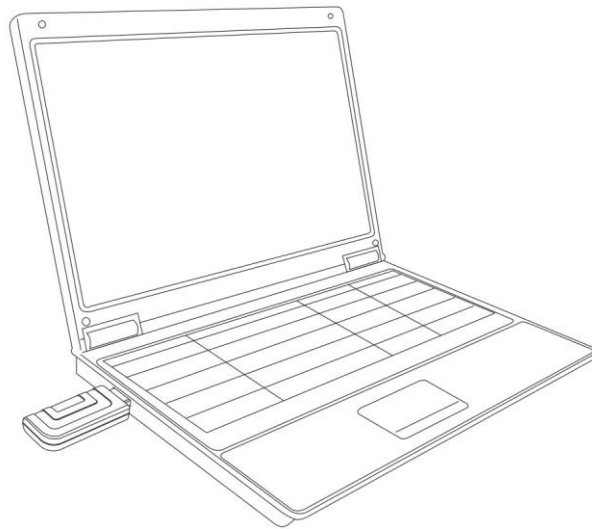
The screenshot shows a Notepad window titled "Untitled - Notepad". The menu bar includes "File", "Edit", "Format", "View", and "Help". The text content of the window is as follows:

```
071589812308  
4012345678901  
047669137166  
7376221357463  
4901372301091  
4908329011218
```

## 4-3 BLE Dongle Mode Connection

### 4-3-1 HID mode

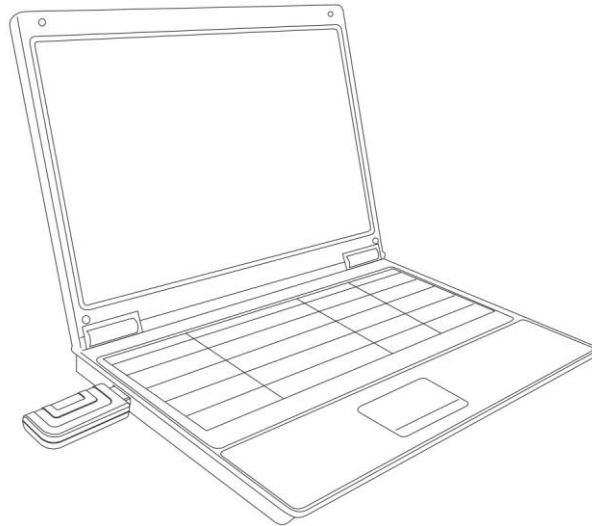
- **Make sure the Mode selection code is configured as “4”. Please refer to chapter 3-3-2.**



1. Insert BLE Dongle to PC
2. When connecting scanner and BLE Dongle, into pairing mode. The scanner will establish the Bluetooth connection. If connection successful, the Blue LED indicator will be on. If not, please repeat the above mention action or check the Bluetooth parameters setting.
3. When Bluetooth Connection established, execute any word processing software, for example: Word, notepad, Excel and etc. to receive to barcode data.

### 4-3-2 USB-COM mode

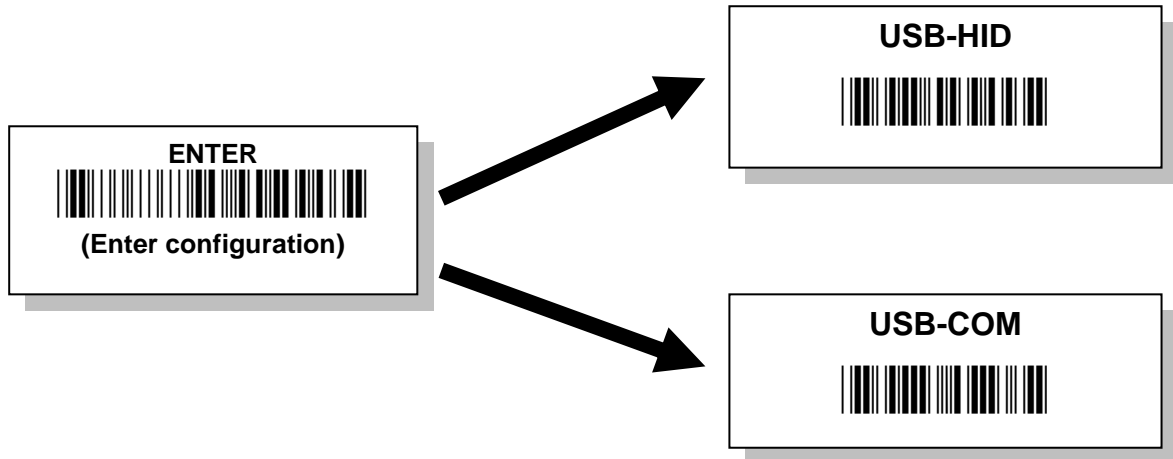
- **Make sure the Mode selection code is configured as “4”. Please refer to chapter 3-3-2.**



1. Insert BLE Dongle to PC.
2. When connecting scanner and BLE Dongle, into pairing mode. The scanner will establish the Bluetooth connection. If connection successful, the Blue LED indicator will be on. If not, please repeat the above mention action or check the Bluetooth parameters setting.
3. When under “USB COM” mode, please check device manager. You will know which COM port is available, then use Terminal program to receive scan data.

### 4-3-3 Mode switch

If the user wants to switch between HID/USB-COM mode, please scan the following barcode.



**★Note: Before scan the barcode, make sure the scanner and the Bluetooth Dongle is Connected.**

# Chapter 5: BLE / Cable General Setting

---




## 5-1 General BLE Mode Setting

### 5-1-1 Mode

This function to set operation Mode:

- (1) **Good Read Off:** When pressing “Scan” key, turning on scanning light, scanning barcode correctly or over loading time to make barcode scanning incorrectly, the light will be turned off.
- (2) **Momentary:** When pressing “Scan” key, turning on scanning light, scanning barcode correctly or release “Scan” key, the light will be turned off.
- (3) **Toggle:** Scan Toggle label if you intend to gain more flexibility in when to read a barcode. A press on Scan Button will lead in switching on the light whereas either a successful decoding of a barcode or giving it Scan button press correspondingly switches off the light.

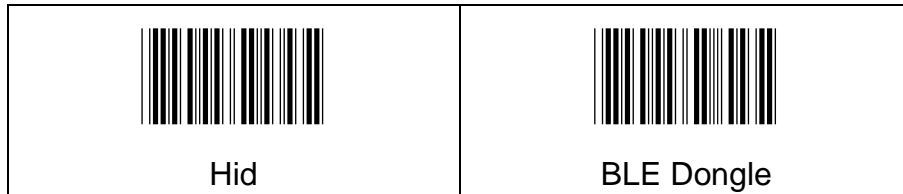
Please scan the appropriate label to determine your preferred scan mode.

 GoodRdOff	 Momentary
 Toggle	



### 5-1-2 Output Interface

Please scan the appropriate barcode to specify the output interface

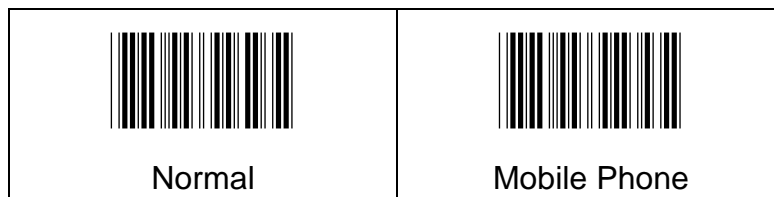


### 5-1-3 App Type

Whether to enable special setting

**Normal:** Do not enable

**Mobile Phone:** When scanning the barcode on the phone, to set up this function for better and accurate scanning



Enter

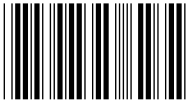
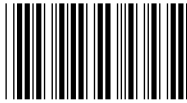
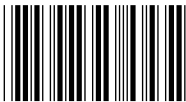




End



### 5-1-4 GoodRead Beep Volume

Scan the appropriate barcode to specify the volume of Good Read Buzzer when a barcode is decoded successfully. The higher level indicates the louder sound.

 Disable	 Level1
 Level2	 Level3
 Level4	

### 5-1-5 Warning Beep Volume

Scan the appropriate barcode to specify the volume of Warning Buzzer when an error occurs. The higher level indicates the louder sound.

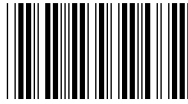
 Level1	 Level2
 Level3	 Level4



### 5-1-6 BT Pairing

Set up BLE Pairing by scan barcode.

Procedure is Scan “Enter” and “BT Pairing” barcode.



Procedure:
(A) Scan “Enter” Barcode
(B) Scan “BT Pairing” Barcode

### 5-1-7 Pairing Time

When timeout period expires yet the BLE connection is not established, the pairing process will terminate due to the failed attempt.



Configuration Range	Unit	Default Setting
1 ~ 255 Secs	1 Sec	90 Secs

Procedure
(A) Scan “Enter” barcode
(B) Scan “Pairing Time” barcode
(C) Scan parameters from Hexadecimal / Decimal table
(D) Scan “OK” barcode
(E) Scan “End” barcode



### 5-1-8 Good Read Beep Freq

Please follow the below steps to specify the buzzer frequency when a barcode is decoded successfully.



Configuration Range	Unit	Default Setting
100 ~ 5000 Hz	100Hz	2700 Hz

#### Procedure

- (A) Scan "Enter" barcode
- (B) Scan "Good Read Beep Freq" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



### 5-1-9 Good Read Beep Time

Please follow the below steps to specify buzzer duration when a barcode is decoded successfully.



Configuration Range	Unit	Default Setting
10 ~ 2550 ms	10 ms	100 ms

#### Procedure

- (A) Scan "Enter" barcode
- (B) Scan "Good Read Beep Time" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode

### 5-1-10 Scan Time

The time required to shut down scanning light when no barcode is scanned.



Configuration Range	Unit	Default Setting
1 ~ 30 Secs	1 Sec	10 Secs

#### Procedure

- (A) Scan "Enter" barcode
- (B) Scan "Scan Time" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



### 5-1-11 Scan Idle Time

The device will switch to power-saving mode after remaining idle for a while. This parameter is thus used to specify the length of time allocated for the scanner to elapse before power-saving mode is initiated.



Configuration Range	Unit	Default Setting
1 ~ 255 Secs	1 Sec	15 Secs

Procedure
(A) Scan "Enter" barcode (B) Scan "Scan Idle Time" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



### 5-1-12 Standby Time

After lengthy idleness, the device will first be put into standby state in which the machine is still able to react to the emergent request yet running in lower power consumption. This parameter refers to the amount of time allocated for the device to stay in standby before being totally shut down.




Configuration Range	Unit	Default Setting
30 ~ 2550 Secs	10 Sec	90 Secs

Procedure
(A) Scan "Enter" barcode (B) Scan " Standby Time" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 5-1-13 Tx Preamble

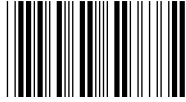
Preamble Code refers to a sequence of characters which precedes both Prefix Code and barcode data during data transmission. Scan the appropriate barcode to enable or disable Preamble Code.

 Disable	 Enable
--	--



### 5-1-14 Preamble data

Setting Preamble code content

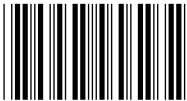
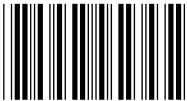


Configuration Length	Default Setting
8	NULL

Procedure
(A) Scan "Enter" barcode (B) Scan "Preamble data" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 5-1-15 Tx Postamble

Postamble Code refers to a sequence of characters which appends to both barcode data and Suffix Code during data transmission. Scan the appropriate barcode to enable or disable Postamble Code.

 Disable	 Enable
--	--



### 5-1-16 Postamble data

Setting Postamble code content

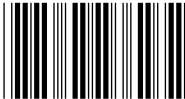
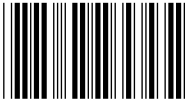


Configuration Length	Default Setting
8	<CR><LF>(0x0D0x0A)

Procedure
(A) Scan "Enter" barcode (B) Scan "Postamble data" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 5-1-17 Tx Prefix

Prefix Code is a sequence of characters interposed between Preamble Code and barcode data during data transmission. Scan the appropriate barcode to enable or disable Prefix Code.

 Disable	 Enable
--	--



### 5-1-18 Prefix data

Setting Prefix content





Configuration Length	Default Setting
8	NULL

Procedure
(A) Scan "Enter" barcode (B) Scan "Prefix data" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 5-1-19 Tx Suffix

Suffix Code is a sequence of characters interposed between barcode data and Postamble Code during data transmission. Scan the appropriate barcode to enable or disable Suffix Code.

 Disable	 Enable
--	--





### 5-1-20 Suffix data

Setting Suffix content

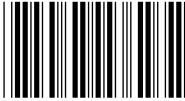
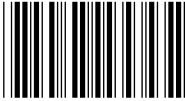


Configuration Length	Default Setting
8	NULL

Procedure
(A) Scan "Enter" barcode (B) Scan "Suffix data" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 5-1-21 Tx CodeName

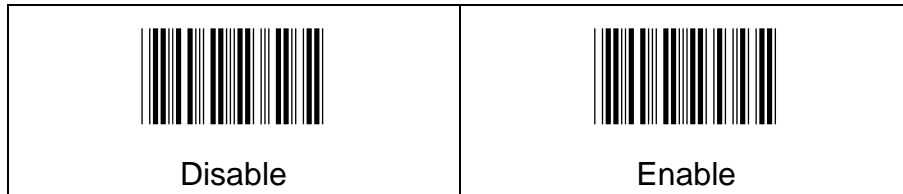
This configuration enables to show the barcode symbology name. Symbology name will be showing in front of barcode data.

 <b>Disable</b>	 <b>Enable</b>
---	---



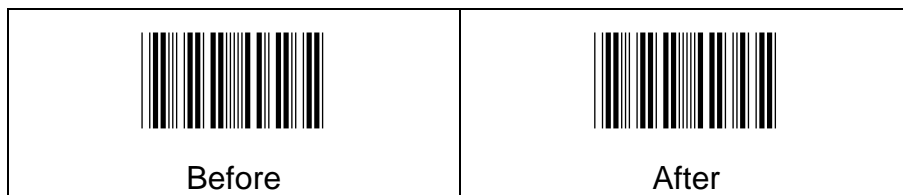
### 5-1-22 Tx Codeld

When scanning the barcode, user might want to know the symbology of the barcode ID, this configuration enables to display the Code ID.



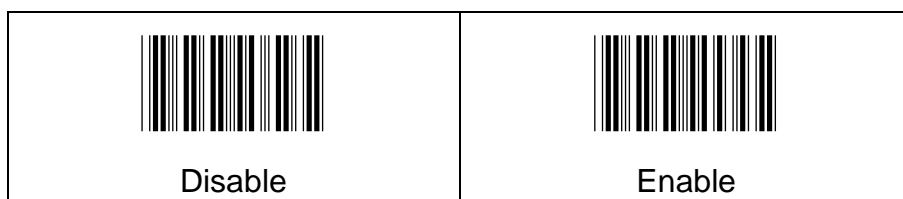
### 5-1-23 Codeld Position

When “Tx Codeld” is “Enable”, user can configure the output position of Code ID (Before Barcode/ After Barcode).



### 5-1-24 Tx Code Length

If user needs to know the length of the barcode data, this configuration enables to indicate the barcode length in front of barcode data.





### 5-1-25 ForceCase

This configuration enables to convert all output digits to be same printing-case; even one barcode may have two kinds of case.

 <b>None</b>	 <b>Inverse</b>
 <b>Lower</b>	 <b>Upper</b>

### 5-1-26 Tx Delimiter

Scan the appropriate barcode to determine whether or not to interpose the delimiter parameter between the decoded message and timestamps.

 <b>Disable</b>	 <b>Enable</b>
---	---



### 5-1-27 DelimiterChar

Setting Delimiter content





Configuration Length	Default Setting
1	NULL

Procedure
(A) Scan "Enter" barcode (B) Scan "DelimiterChar" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 5-1-28 Tx Control Code


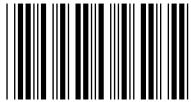

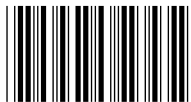
Scan the appropriate barcode to determine whether or not to transmit control code info along with the decoded message if the scanned barcode contains the special ASCII code.

 Disable	 Enable
--	--



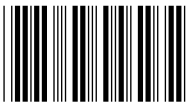
### 5-1-29 Date & Time Transmission

Whether or not to transmit Date or Time information

Date	Time
 Disable	 Disable
 Enable	 Enable

### 5-1-30 Date/Time Position

The parameter is to use for setting Date/Time position (before or after the barcode)

 Before	 After
---	---



### 5-1-31 DateTimeSpareChar

Set separated symbol to distinguish date and time



Configuration Length	Default Setting
1	NULL
<b>Procedure</b>	
(A) Scan "Enter" barcode (B) Scan " DateTimeSpareChar " barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode	

### 5-1-32 BarUtf8Convert

1. If the barcode is not encoded in Utf8, then the parameter has to be set as "None"
2. If the barcode is encoded in Utf8, then please set "Big5", "Gb2312" or "Sjis" according to the language of user's preference.

 None	 Big5
 Sjis	 Gb2312



## 5-2 General Cable Mode Setting

### 5-2-1 Mode

This function to set operation Mode:

- (1) **Good Read Off:** When pressing “Scan” key, turning on scanning light, scanning barcode correctly or over loading time to make barcode scanning incorrectly, the light will be turned off.
- (2) **Momentary:** When pressing “Scan” key, turning on scanning light, scanning barcode correctly or release “Scan” key, the light will be turned off.
- (3) **Toggle:** Scan Toggle label if you intend to gain more flexibility in when to read a barcode. A press on Scan Button will lead in switching on the light whereas either a successful decoding of a barcode or giving it Scan button press correspondingly switches off the light.
- (4) **Present:** In this mode, as long as any object is detected within scanning range, the scanning light will be on automatically and the scanner can scan barcodes constantly. The scanning light will be off if no barcode is decoded successfully in the specified time, and waiting for the next object is sensed.

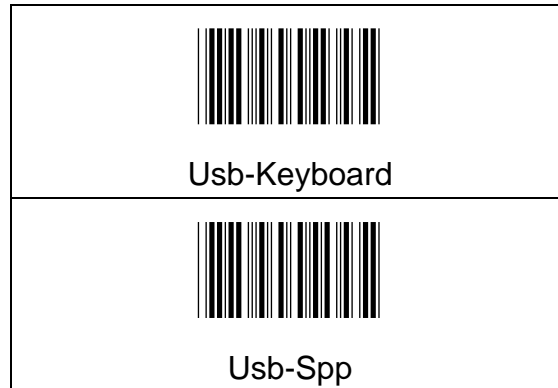
Please scan the appropriate label to determine your preferred scan mode.

 Good Read Off	 Momentary
 Toggle	 Present



### 5-2-2 Output Interface

Please scan the appropriate barcode to specify the output interface

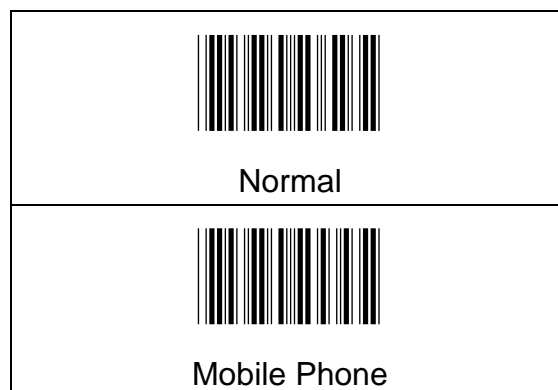


### 5-2-3 App Type

Whether to enable special setting

**Normal:** Do not enable

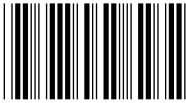

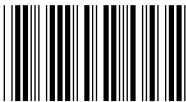


**Mobile Phone:** When scanning the barcode on the phone, to set up this function for better and accurate scanning





### 5-2-4 Good Read Beep Volume

Scan the appropriate barcode to specify the volume of Good Read Buzzer when a barcode is decoded successfully. The higher level indicates the louder sound.

 Disable	 Level1
 Level2	 Level3
 Level4	



### 5-2-5 Warning Beep Volume

Scan the appropriate barcode to specify the volume of Warning Buzzer when an error occurs. The higher level indicates the louder sound.

 Level1	 Level2
 Level3	 Level4

### 5-2-6 Power on light

On Cable mode, when the scanner is on, whether to turn on the scanning light automatically.

 Disable
 Enable

### 5-2-7 Good Read Beep Freq

When decoding successfully, it will make a sound, and you can use this setting to set Beep Frequency.



Configuration Range	Unit	Default Setting
100 ~ 5000Hz	100Hz	2700 Hz

Procedure
(A) Scan "Enter" barcode
(B) Scan "Good Read Beep Freq" barcode
(C) Scan parameters from Hexadecimal / Decimal table
(D) Scan "OK" barcode
(E) Scan "End" barcode



### 5-2-8 Good Read Beep Time

When decoding successfully, it will make a sound, you can use this setting to set the duration of Beep Time.



Configuration Range	Unit	Default Setting
10 ~ 2550ms	10ms	100 ms

#### Procedure

- (A) Scan "Enter" barcode
- (B) Scan "Good Read Beep Time" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode

### 5-2-9 Scan Time

The time required to shut down scanning light when no barcode is scanned.



Configuration Range	Unit	Default Setting
1 ~ 30 Secs	1 Sec	10 Secs

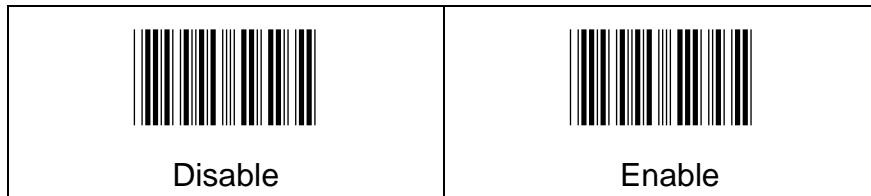
#### Procedure

- (A) Scan "Enter" barcode
- (B) Scan "Scan Time" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



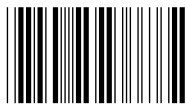
### 5-2-10 Tx Preamble

Preamble Code refers to a sequence of characters which precedes both Prefix Code and barcode data during data transmission. Scan the appropriate barcode to enable or disable Preamble Code.



### 5-2-11 Preamble data

Setting Preamble code content



Configuration Length	Default Setting
8	NULL

#### Procedure

- (A) Scan "Enter" barcode
- (B) Scan "Preamble data" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode

Enter

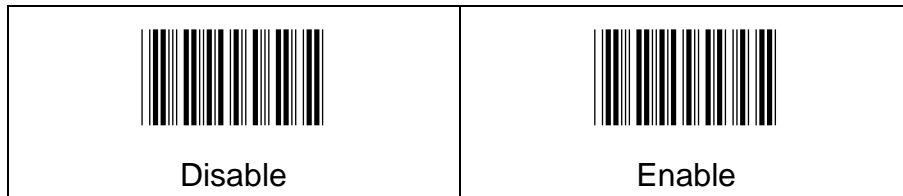


End



### 5-2-12 Tx Postamble

Postamble Code refers to a sequence of characters which appends to both barcode data and Suffix Code during data transmission. Scan the appropriate barcode to enable or disable Postamble Code.



### 5-2-13 Postamble data

Setting Postamble code content



Configuration Length	Default Setting
8	<CR><LF>(0x0D0x0A)

Procedure
(A) Scan “Enter” barcode (B) Scan “Postamble data” barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan “OK” barcode (E) Scan “End” barcode

Enter

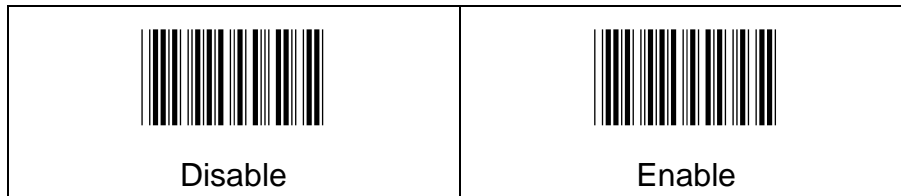


End



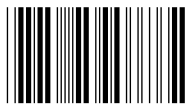
### 5-2-14 Tx Prefix

Prefix Code is a sequence of characters interposed between Preamble Code and barcode data during data transmission. Scan the appropriate barcode to enable or disable Prefix Code.



### 5-2-15 Prefix data

Setting Prefix content



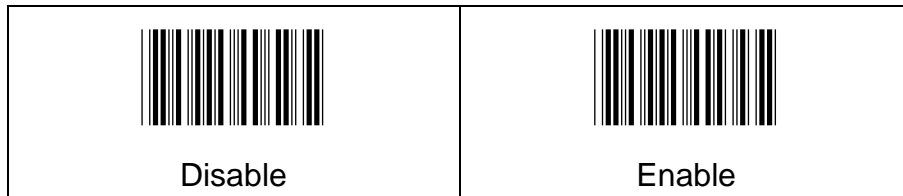
Configuration Length	Default Setting
8	NULL

Procedure
(A) Scan “Enter” barcode (B) Scan “Prefix data” barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan “OK” barcode (E) Scan “End” barcode



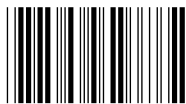
### 5-2-16 Tx Suffix

Suffix Code is a sequence of characters interposed between barcode data and Postamble Code during data transmission. Scan the appropriate barcode to enable or disable Suffix Code.



### 5-2-17 Suffix data

Setting Suffix content



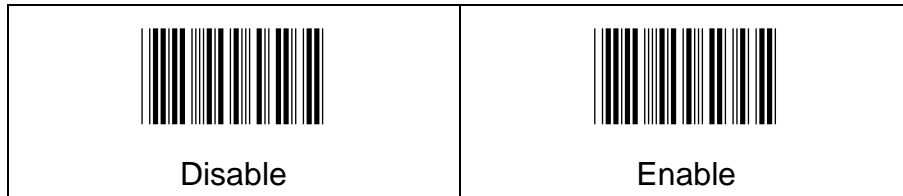
Configuration Length	Default Setting
8	NULL

Procedure
(A) Scan "Enter" barcode (B) Scan "Suffix data" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



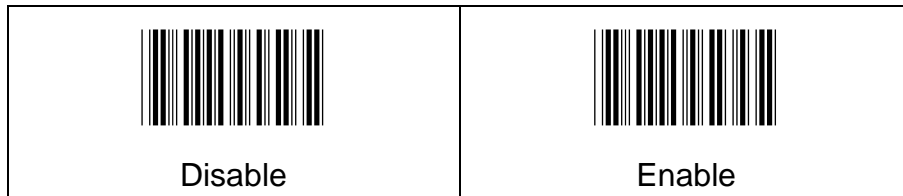
### 5-2-18 Tx CodeName

This configuration enables to show the barcode symbology name. Symbology name will be showing in front of barcode data.



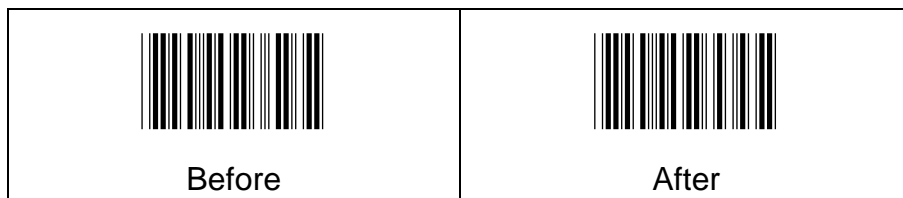
### 5-2-19 Tx CodeId

When scanning the barcode, User might want to know the symbology of the barcode ID, This configuration enables to display the Code ID.



### 5-2-20 CodeId Position

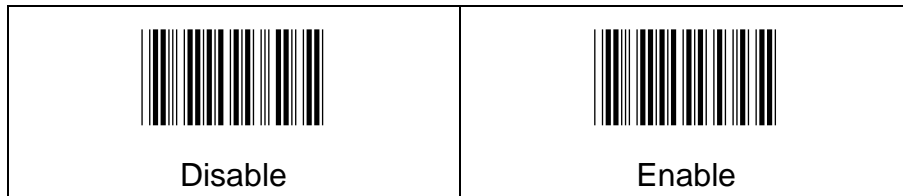
When “Tx CodeId” is “Enable”, user can configure the output position of Code ID (Before Barcode/ After Barcode).





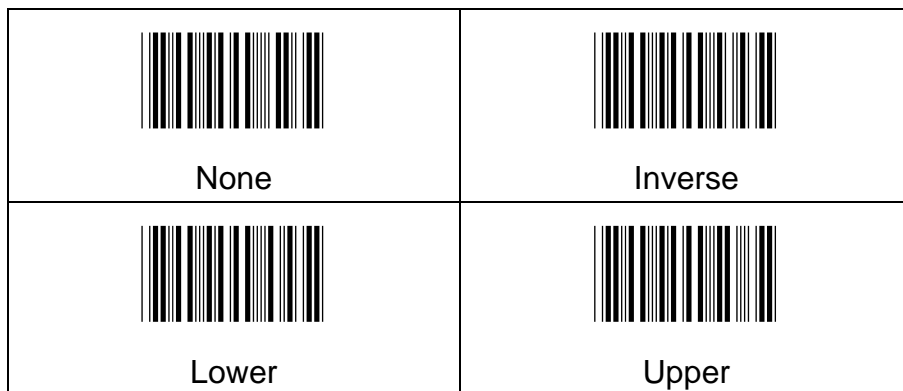
### 5-2-21 Tx Code Length

If user needs to know the length of the barcode data, this configuration enables to indicate the barcode length in front of barcode data.



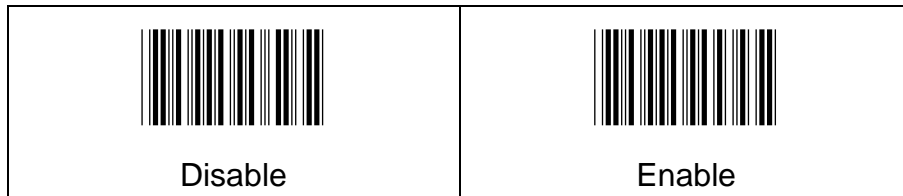
### 5-2-22 ForceCase

This configuration enables to convert all output digits to be same printing-case; even one barcode may have two kinds of case.



### 5-2-23 Tx Delimiter

Scan the appropriate barcode to determine whether or not to interpose the delimiter parameter between the decoded message and timestamps.



### 5-2-24 DelimiterChar

Setting Delimiter content



Configuration Length	Default Setting
1	NULL

Procedure
(A) Scan "Enter" barcode (B) Scan "DelimiterChar" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

Enter

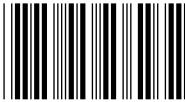
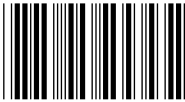


End



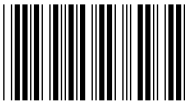
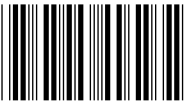

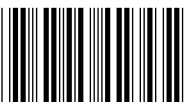
### 5-2-25 Tx Control Code

Scan the appropriate barcode to determine whether or not to transmit control code info along with the decoded message if the scanned barcode contains the special ASCII code.

 Disable	 Enable
--	--

### 5-2-26 Date & Time Transmission

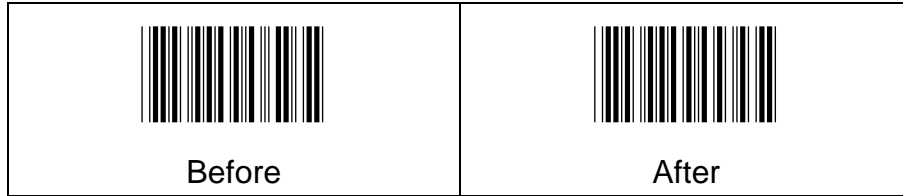
Whether or not to transmit Date or Time information.

Date	Time
 Disable	 Disable
 Enable	 Enable



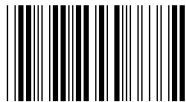
### 5-2-27 Date/Time Position

The parameter is to use for setting Date/Time position (before or after the barcode)



### 5-2-28 DateTimeSpareChar

Set separated symbol to distinguish date and time



Configuration Length	Default Setting
1	NULL
<b>Procedure</b>	
(A) Scan "Enter" barcode (B) Scan "DateTimeSpareChar " barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode	



### 5-2-29 BarUtf8Convert

1. If the barcode is not encoded in Utf8, then the parameter has to be set as "None"
2. If the barcode is encoded in Utf8, then please set "Big5", "Gb2312" or "Sjis" according to the language of user's preference.

 None	 Big5
 Sjis	 Gb2312



# Chapter 6: General configuration setting

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★Note: It is recommended to print out the Hexadecimal / Decimal table (page: 321) for parameter setting.

## 6-1 Host Interface

### 6-1-1 Version

Firmware information listing, the scanner firmware information included the ISP Version, the firmware version, 2D Engine Version, BLE firmware and module version, BLE module Mac address(if scanner Bluetooth function is available).

**Procedure:**

- (1) Scan "Enter" Barcode
- (2) Scan "Version" barcode

**Note:** Firmware version listing as below

Isp: 0001.0001 → ISP version

Kernel: 0001.0001 → Firmware version

2D Eng: DC000123BAA → 2D Engine version.

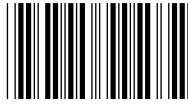
BLE: 0001.0001-00A9 → BLE firmware and module version (this is only available for Bluetooth model).

BLE Mac: 96A3F11A70DA → BLE module Address (this is only available for Bluetooth model).



### 6-1-2 Abort Setting

To skip or cancel current operation, your current settings will be aborted before you scan “END” barcode to finish programming.

**Procedure:**

- (1) Scan “Enter” Barcode
- (2) Scan “Abort” barcode

**Scan “Abort” Barcode to cancel the setting before you scan “END” barcode**

### 6-1-3 Enter ISP Mode

For software configuration, User must connect the scanner with PC via USB cable, and scan “Enter”, “ISP” to enter the ISP mode. (PC might request for Driver installation, please find the driver file “C0801b.inf ” in the CD)

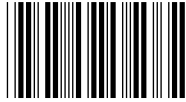
**Procedure:**

- (1) Scan “Enter” Barcode
- (2) Scan “ISP” barcode



### 6-1-4 Barcode Default

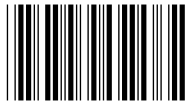
Scan the below barcode to restore the symbologies to the default settings.

**Procedure:**

- (1) Scan "Enter" Barcode
- (2) Scan "Barcode Default" barcode

### 6-1-5 All Default

Configuration setting to restored to factory default setting.

**Procedure:**

- (1) Scan "Enter" Barcode
- (2) Scan "All Default" barcode





### 6-1-6 Parameter List

Scanning below “Parameter List Barcode “ after reading “Enter” barcode to get what the scanner existing setting data in Cable Mode or BLE Mode:

- (1).Output language
- (2).Whether to perform the UTF-8 code convert to Chinese or Japanese and the scan result can be displayed normally.



Procedure:
(1) Scan “Enter” Barcode
(2) Scan “Parameter List” barcode



- Example1: Perform the above and get the result as...

**Language Setup: Big-5** → Output language is set "Big-5"  
**Not UTF-8** → It means that only non-UTF-8 code can be display in Chinese normally.

- Example2: Perform the above and get result as...

**Language Setup: Big-5** → Output language is set "Big-5"  
**UTF-8 Convert to Big-5** → It means that only "UTF-8" code will be convert to "Big-5" and can be display normally.



## Output Interface-Cable Mode

User can connect the scanner with PC via USB cable, it can be used as real time USB scanner.

There are two different output Interfaces:

**USB-HID (Keyboard) Type:** With USB HID type, user can use Word, Excel or any word processing software to receive barcode data.

**USB-SPP (Virtual Com) Type:** With USB- COM type, user need to use terminal software to receive the barcode data.



## 6-2 Output Interface-USB HID Keyboard Type

### 6-2-1 Caps Lock

Caps lock setting for the barcode data display.

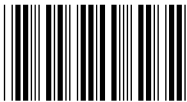
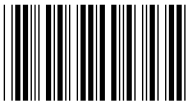
 <b>Auto</b>	 LowerCase
 UpperCase	 Alt+

Example: Barcode data "ABCdef"

Status Selection	Caps Lock <b>On</b>	Caps Lock <b>Off</b>
UpperCase	ABCdef	abcDEF
LowerCase	abcDEF	ABCdef
Alt+Keypad	ABCdef	ABCdef

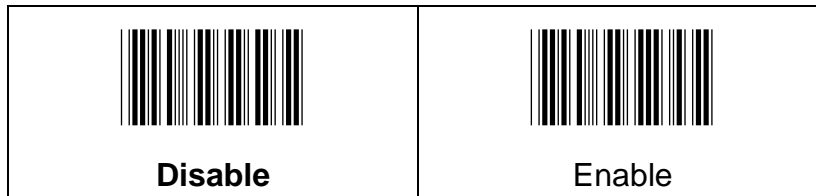
### 6-2-2 Num Lock

The settings of the numeric keypad, the keypad must be selected if the application program only accepts numeric keypad. (The right hand side of the numeric keys on the keyboard, and "NumLock" control key must be on.)

 <b>AlphaPad</b>	 NumPad
--	--

### 6-2-3 Shift Release Caps Lock

Scan the following barcode can let the user to press "Shift" to release the status of Caps Lock.



### 6-2-4 Transmission Timeout

After sending the information, how long without a response will be timeout.



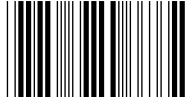
Configuration Range	Unit	Default Setting
2 ~ 255 secs	1 sec	3 secs

<b>Procedure:</b>	<b>Example:</b>
(A) Scan "Enter" barcode (B) Scan "Transmission Timeout" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode	If configuration is .2 sec, the parameter value is <b>2 sec / 1 sec = 2</b>



### 6-2-5 Transmission Char Delay

After setting the number of characters sent into the Delay time



Configuration Range	Default Setting
0 ~ 255	0

Procedure
(A) Scan "Enter" barcode (B) Scan "Transmission Char Delay" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 6-2-6 Transmission Char Gap Time

This function can set Delay Time between 2 characters.



Configuration Range	Unit	Default Setting
0 ~ 255 ms	1 ms	0 ms

Procedure:	Example:
(A) Scan "Enter" barcode (B) Scan "Transmission Char Gap Time" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode	If configuration is 2 ms, the parameter value is $2 \text{ ms} / 1 \text{ ms} = 2$



### 6-2-7 Transmission Record Gap Time

This function can set Delay Time between 2 records.



Configuration Range	Unit	Default Setting
0~2550 ms	10 ms	0 ms

Procedure:	Example:
(A) Scan "Enter" barcode (B) Scan "Transmission Record Gap Time" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode	If configuration is 200 ms, the parameter value is $200 \text{ ms} / 10 \text{ ms} = 20$

### 6-2-8 Output Language



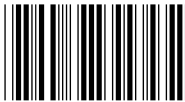
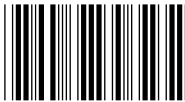







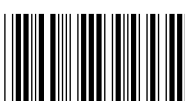
To set up the target barcode encoding

 US	 Big5
 Gb2312	 Sjis



### 6-2-9 USB HID Layout Setting

The function enables the user to specify HID keyboard language.

HID Keyboard Layout setting	
 <b>EN</b>	 <b>SP</b>
 <b>UK</b>	 <b>PO</b>
 <b>JP</b>	 <b>SK</b>
 <b>FR</b>	 <b>KO</b>
 <b>GR</b>	 <b>TR</b>
 <b>IT</b>	 <b>SF</b>



## 6-3 Output Interface – USB SPP(Virtual COM)

### Type

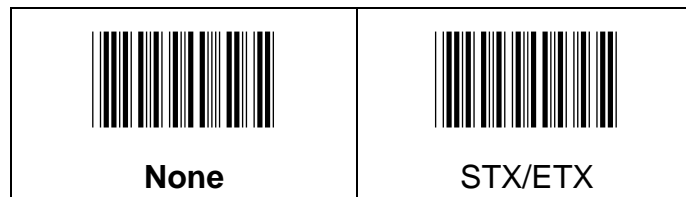
#### 6-3-1 Communication Protocol

Whether to enable "Ack/Nak" response function



#### 6-3-2 <STX> & <ETX> Characters

Scan below barcodes to set if need to add STX data (before the output barcode data) & ETX data (after the output barcode data)



#### 6-3-3 Command Mode

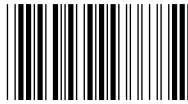
Scan the appropriate barcode to enable or disable Command mode for SPP.





### 6-3-4 Retransmission Count

To avoid data transmission loss, messages sometimes have to be resent due to receive NAK signal; When the amount of resending is out of range and STILL not yet received ACK, which means Timeout.



Configuration Range	Default Setting
0 ~ 255	2

Procedure:
(A) Scan "Enter" barcode (B) Scan "Retransmission Count" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



### 6-3-5 ACK Timeout

To set up the period of time to receive ACK after sending data



Configuration Range	Unit	Default Setting
2 ~ 255 secs	1 sec	3 secs

Procedure:	Example:
(A) Scan "Enter" barcode (B) Scan "ACK Timeout" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode	If configuration is .2 sec, the parameter value is <b>2 sec / 1 sec = 2</b>



### 6-3-6 Transmission Timeout

After sending the information, how long without a response will be timeout.



Configuration Range	Unit	Default Setting
2 ~ 255 secs	1 sec	3 secs

Procedure:	Example:
(A) Scan "Enter" barcode (B) Scan "Transmission Timeout" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode	If configuration is .2 sec, the parameter value is <b>2 sec / 1 sec = 2</b>



### 6-3-7 Transmission Char Delay

After setting the number of characters sent into the Delay time



Configuration Range	Default Setting
0 ~ 255	0

Procedure
(A) Scan "Enter" barcode (B) Scan "Transmission Char Delay" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 6-3-8 Transmission Char Gap Time

This function can set Delay Time between 2 characters.



Configuration Range	Unit	Default Setting
0 ~ 255 ms	1 ms	0 ms

Procedure:	Example:
(A) Scan "Enter" barcode (B) Scan "Transmission Char Gap Time" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode	If configuration is. 2 ms, the parameter value is $2 \text{ ms} / 1 \text{ ms} = 2$



### 6-3-9 Transmission Record Gap Time

This function can set Delay Time between 2 records.



Configuration Range	Unit	Default Setting
0~2550 ms	10 ms	0 ms

Procedure:	Example:
(A) Scan "Enter" barcode (B) Scan "Transmission Record Gap Time" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode	If configuration is 200 ms, the parameter value is $200 \text{ ms} / 10 \text{ ms} = 20$



# Output Interface-BLE Mode

## 6-4 Output Interface - BLE HID Type

### 6-4-1 Caps Lock

Caps lock setting for the barcode data display.

 <b>LowerCase</b>	 <b>Alt+</b>
 <b>UpperCase</b>	

Example: Barcode data "ABCdef"

Status Selection	Caps Lock <b>On</b>	Caps Lock <b>Off</b>
UpperCase	ABCdef	abcDEF
LowerCase	abcDEF	ABCdef
Alt+Keypad	ABCdef	ABCdef



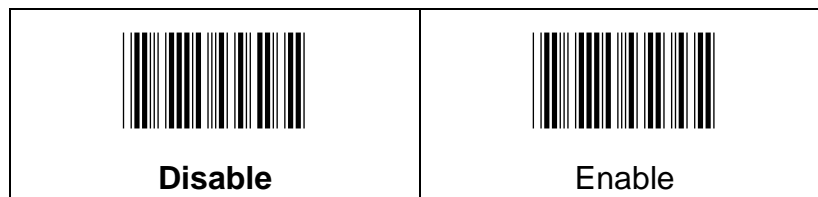
### 6-4-2 Num Lock

The settings of the numeric keypad, the keypad must be selected if the application program only accepts numeric keypad. (The right hand side of the numeric keys on the keyboard, and “NumLock” control key must be on.)



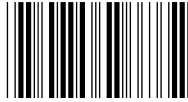
### 6-4-3 Shift Release Caps Lock

Scan the following barcode can let the user to press “Shift” to release the status of Caps Lock.



### 6-4-4 Transmission Timeout

After sending the information, how long without a response will be timeout.



Configuration Range	Unit	Default Setting
2 ~ 255 secs	1 sec	3 secs

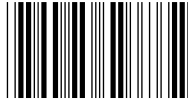
Procedure:	Example:
(A) Scan "Enter" barcode (B) Scan "Transmission Timeout" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode	If configuration is 2 sec, the parameter value is <b>2 sec / 1 sec = 2</b>





### 6-4-5 Transmission Char Delay

After setting the number of characters transmitted into the Delay Time



Configuration Range	Default Setting
0 ~ 255	0

Procedure
(A) Scan "Enter" barcode (B) Scan "Transmission Char Delay" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 6-4-6 Transmission Char Gap Time

This function can set Delay Time between 2 characters.



Configuration Range	Unit	Default Setting
0 ~ 255 ms	1ms	0 ms

Procedure:	Example:
(A) Scan "Enter" barcode (B) Scan "Transmission Char Gap Time" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode	If configuration is 2 ms, the parameter value is $2 \text{ ms} / 1 \text{ ms} = 2$



### 6-4-7 Transmission Record Gap Time

This function can set Delay Time between 2 records.

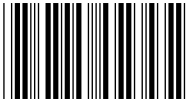


Configuration Range	Unit	Default Setting
0 ~ 2550 ms	10 ms	0 ms

Procedure:	Example:
(A) Scan "Enter" barcode (B) Scan "Transmission Record Gap Time" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode	If configuration is 200 ms, the parameter value is $200\text{ms} / 10\text{ms} = 20$

### 6-4-8 Output Language

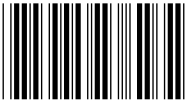

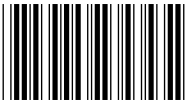
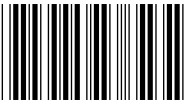
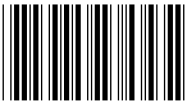

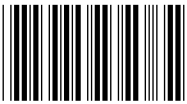

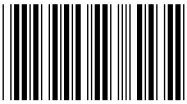



To set up the target barcode encoding

 US	 Big5
 GB2312	 Sjis



### 6-4-9 BLE HID Layout Setting

The function enables the user to specify HID keyboard language

 <b>EN</b>	 <b>SP</b>
 <b>UK</b>	 <b>PO</b>
 <b>JP</b>	 <b>SK</b>
 <b>FR</b>	 <b>KO</b>
 <b>GR</b>	 <b>TR</b>
 <b>IT</b>	 <b>SF</b>

Enter



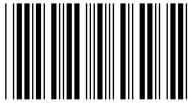
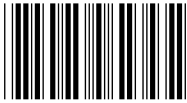
End



## 6-5 System Control

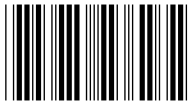
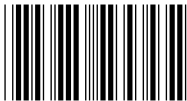
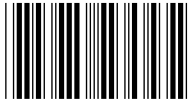
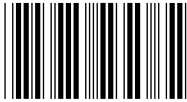
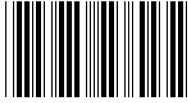
### 6-5-1 OP Mode

Set operating mode is" Cable Mode" or" BLE Mode"

 Cable Mode	 <b>BLE Mode</b>
---	---

### 6-5-2 System Beep Volume



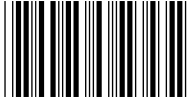



Whether it needs to activate Beep sound of system category (ex. power on music).

 Off	 Level1
 Level2	 Level3
 <b>Level4</b>	



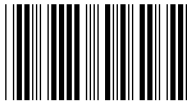
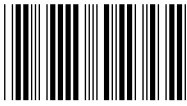

### 6-5-3 Date format

Setting the date display format

 <b>YYYYMMDD</b>	 <b>YYMMDD</b>
 <b>MMDDYYYY</b>	 <b>MMDDYY</b>
 <b>DDMMYYYY</b>	 <b>DDMMYY</b>

### 6-5-4 Time format

Setting the Time display format

 <b>HHMMSS</b>	 <b>HHMM</b>
 <b>MMSS</b>	



### 6-5-5 Date Separator

Set separation sign of date



Configuration length	Default Setting
1	/

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Date Separator" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode

### 6-5-6 Time Separator

Set separation sign of Time



Configuration Length	Default Setting
1	:

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Time Separator" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



### 6-5-7 STX Escape Character

Set STX digits



Configuration Length	Default Setting
1	0x02

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "STX Escape Character" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode

### 6-5-8 ETX Escape Character

Set ETX digits



Configuration Length	Default Setting
1	0x03

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "ETX Escape Character" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



### 6-5-9 Setup Timeout Time

After enter into setting mode, it is Timeout if there is no action within a period of time.



Configuration Range	Unit	Default Setting
10~2550 Secs	10 Sec	60 Secs

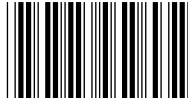
Procedure:	Example:
(A) Scan "Enter" barcode (B) Scan "Setup Timeout Time" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode	If configuration is 2 minutes, the parameter value is 2 minutes / 10 sec = 12





## 6-5-10 Set Date & Time

It is able to read below barcodes to set the Date/Time (YYMMDDhhmmss)



Configuration Length
12

Procedure:
(A) Scan "Enter" Barcode
(B) Scan "Set Date & Time" Barcode
(C) Scan parameters from Hexadecimal / Decimal table
(D) Scan "OK" barcode
(E) Scan "End" Barcode

Enter



End



# Chapter 7: Symbology Settings

## 7-1 Barcode Symbologies Default setting Chart

Barcode type	Read	Length		Truncate	
		Min.	Max	Lead	End
UPC-A	Enable	—	—	0	0
UPC-E	Enable	—	—	0	0
EAN-13	Enable	—	—	0	0
EAN-8	Enable	—	—	0	0
Msi	Disable	4	48	0	0
Gs1 Databar	Enable	4	74	0	0
Gs1 Composite	Disable	—	—	—	—
CodablockA	Disable	1	600	0	0
CodablockF	Disable	1	2048	0	0
PDF417	Enable	1	2750	0	0
MicroPdf417	Disable	1	366	0	0
Tlc39	Disable	—	—	0	0
QR Code	Enable	1	7089	0	0
DataMatrix	Enable	1	3116	0	0
MaxiCode	Disable	1	150	0	0
Aztec	Enable	1	3832	0	0
ChineseSensible(HanXinCode)	Disable	1	7833	0	0
Codabar(Nw7)	Enable	4	60	0	0
Code39	Enable	0	48	0	0
Interleaved2of5	Enable	4	80	0	0
Nec2of5	Enable	4	80	0	0
Code93	Enable	0	80	0	0
Straight2of5(Industrial2of5)	Disable	4	48	0	0
Matrix2of5	Disable	4	80	0	0
Code11	Disable	4	80	0	0
Code-128	Enable	0	80	0	0



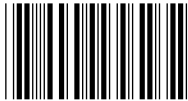

<b>Gs1-128</b>	Disable	0	80	0	0
<b>2DPostal</b>	Disable	—	—	0	0
<b>ChinaPost(HongKong2of5)</b>	Disable	4	80	0	0
<b>KoreaPost</b>	Disable	4	48	0	0
<b>Telepen</b>	Disable	1	60	0	0



## 7-2 UPC-A



### 7-2-1 Read

Whether the barcode can be scanned

 Disable	 Enable
--	--



### 7-2-2 Check Digit

Whether to send Check Digit

 Disable	 Enable
---	---

### 7-2-3 Addon2

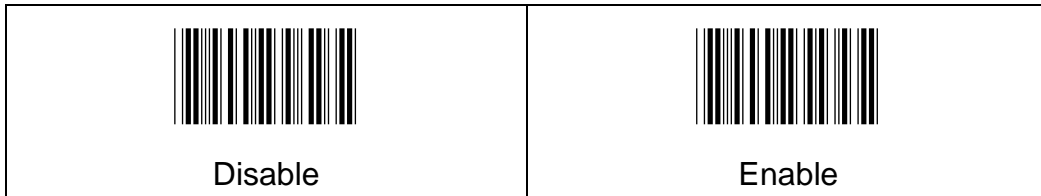
Whether able to read 2 digit additional code

 Disable	 Enable
--	--



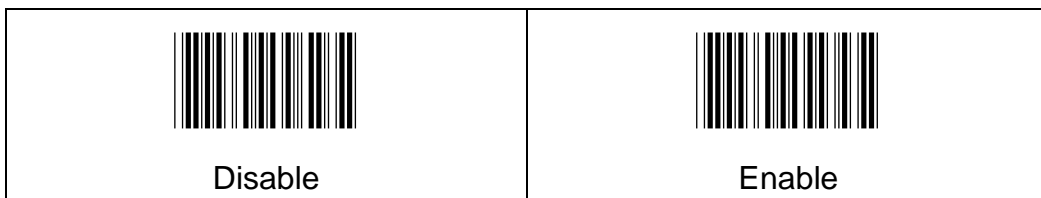
### 7-2-4 Addon5

Whether able to read 5 digit additional code



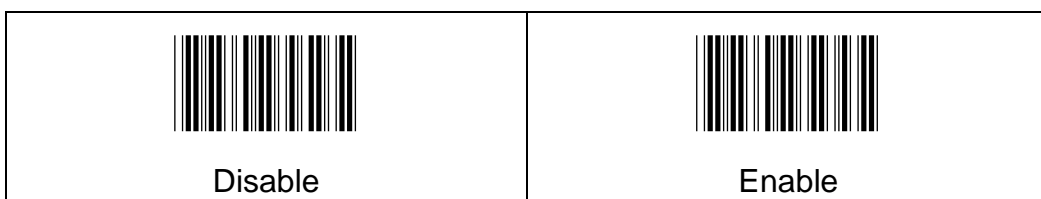
### 7-2-5 Wait Add-On

Whether only to read barcode with additional code



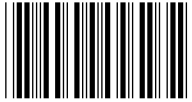

### 7-2-6 Add on Separator

Whether use space to distinguish barcode and additional code



### 7-2-7 Coupon Gs1DataBar Output

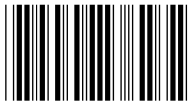


When scanning the barcode data of UPC and GS1 Databar at the same time, whether to only indicate the content of GS1 Databar

 Disable	 Enable
--	--

### 7-2-8 Extended Coupon Code

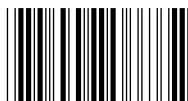
Use the following codes to enable or disable UPC-A and EAN-13with Extended coupon code:

1. **Off:** When left on the default setting(Off), the scanner treats Coupon codes and Extended Coupon Codes as single bar codes
2. **Allow:** If you scan the Allow Connection code, when the scanner sees the coupon code and the extended coupon code in a single scan, it transmits both as one symbology. Otherwise, it transmits the first coupon code it reads
3. **Require:** If you scan the Require Concatenation code, the scanner must see and read the coupon code and extended coupon code in a single read to transmit the data. No data is output unless both codes are read

 Off	 Allow
 Require	

### 7-2-9 Wait Add on Time

Wait for decoding additional code, need to use "Wait Add-on" ; If to get the additional code in a specified decoding time, then indicate, otherwise do not indicate.



Configuration Range	Unit	Default Setting
0~500 ms	1 ms	120 ms

Procedure:	Example:
(A) Scan "Enter" barcode (B) Scan "Wait Addon Time" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode	If configuration is 20 ms, the parameter value is $20 \text{ ms} / 1 \text{ ms} = 20$

### 7-2-10 ConvertUpcaToEan13

When UPC-A Converted to EAN-13 is selected, UPC-A bar codes are converted to 13 digit EAN-13 codes by adding a zero to the front.

 Convert	 Off
--	---



### 7-2-11 Truncate Leading

To set up the number of digits to be omitted from the beginning of the barcode

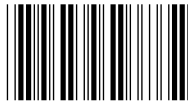


Configuration Range	Default Setting
0~12	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Truncate Leading" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 7-2-12 Truncate Ending

To set up the number of digits to be omitted from the end of the barcode



Configuration Range	Default Setting
0~12	0

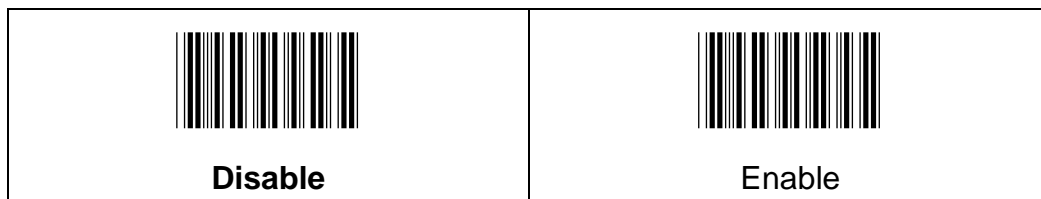
Procedure:
(A) Scan "Enter" barcode (B) Scan "Truncate Ending" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode





### 7-2-13 Truncate Zero

Whether to omit 0 from the beginning of the barcode



### 7-2-14 Insertion1DataPosition

To set up the position to insert data1



Configuration Range	Default Setting
0~12	0

<b>Procedure:</b>
(A) Scan “Enter” barcode (B) Scan “Insertion1DataPosition” barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan “OK” barcode (E) Scan “End” barcode



### 7-2-15 Insertion1Data

To set up data1 to be inserted



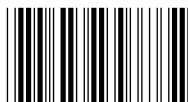
Configuration Length	Default Setting
2	NULL

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Insertion1Data" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode

### 7-2-16 Insertion2DataPosition

To set up the position to insert data2



Configuration Range	Default Setting
0~12	0

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Insertion2DataPosition" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



## 7-2-17 Insertion2Data

To set up data2 to be inserted



Configuration Length	Default Setting
2	NULL

### Procedure:

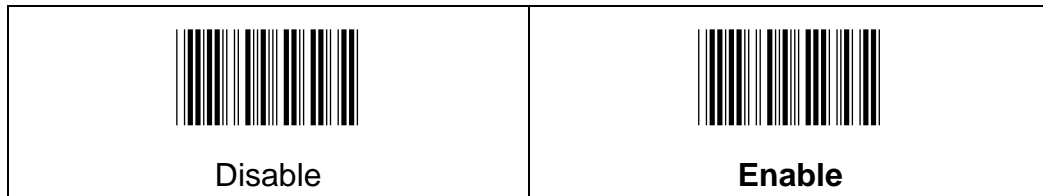
- (A) Scan "Enter" barcode
- (B) Scan "Insertion2Data" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



## 7-3 UPC-E

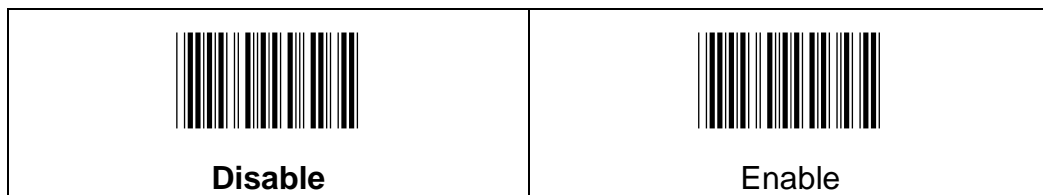
### 7-3-1 Read

Whether the barcode can be scanned



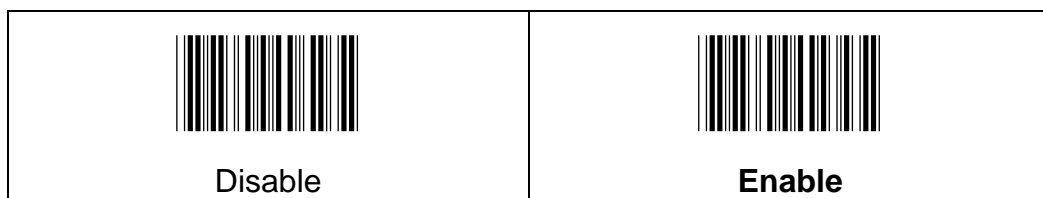
### 7-3-2 Expansion

This expansion function is for UPC-E only. It will extend the barcode to be 12-digits by "0".



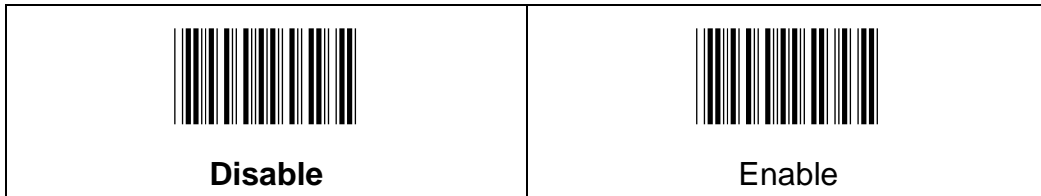
### 7-3-3 Check Digit

Whether to send Check Digit



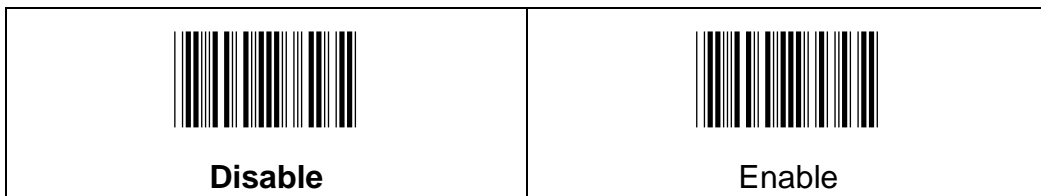
### 7-3-4 Addon2

Whether able to read 2 digit additional code



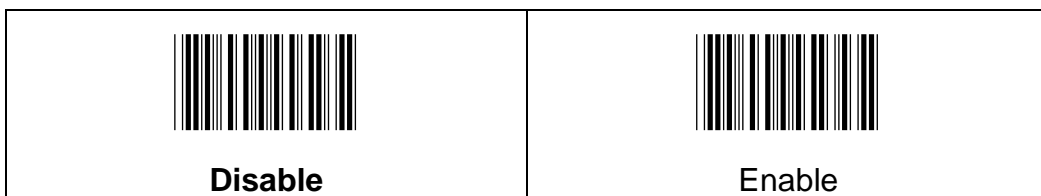
### 7-3-5 Addon5

Whether able to read 5 digit additional code



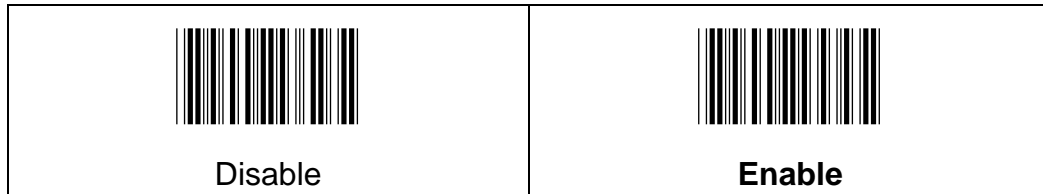
### 7-3-6 Wait Addon

Whether only to read barcode with additional code



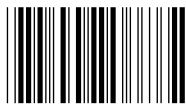
### 7-3-7 Addon Separator

Whether use space to distinguish barcode and additional code



### 7-3-8 Wait Addon Time

Wait for decoding additional code, need to use " Wait Add-on" ;If to get the additional code in a specified decoding time, then indicate, otherwise do not indicate



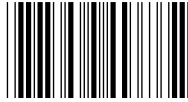
Configuration Range	Unit	Default Setting
0~500 ms	1 ms	120 ms

Procedure:	Example:
(A) Scan "Enter" barcode (B) Scan "Wait Addon Time" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode	If configuration is 20 ms, the parameter value is $20 \text{ ms} / 1 \text{ ms} = 20$



### 7-3-9 TruncateLeading

To set up the number of digits to be omitted from the beginning of the barcode



Configuration Range	Default Setting
0~8	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "TruncateLeading" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 7-3-10 TruncateEnding

To set up the number of digits to be omitted from the end of the barcode



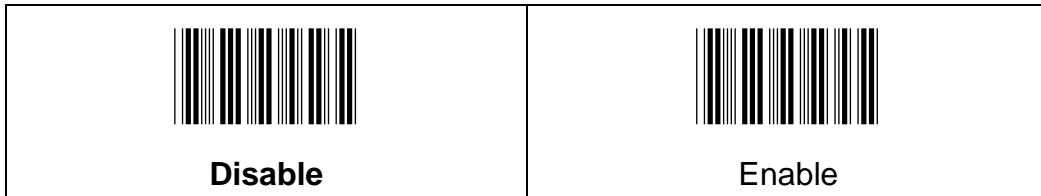
Configuration Range	Default Setting
0~8	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "TruncateEnding" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



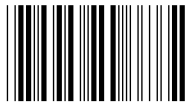
### 7-3-11 TruncateZero

Whether to omit 0 from the beginning of the barcode



### 7-3-12 Insertion1DataPosition

To set up the position to insert data1



Configuration Range	Default Setting
0~8	0

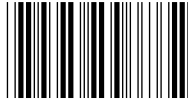
<b>Procedure:</b>
(A) Scan "Enter" barcode (B) Scan "Insertion1DataPosition" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode





### 7-3-13 Insertion1Data

To set up data1 to be inserted

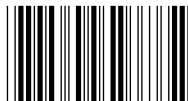


Configuration Length	Default Setting
2	NULL

Procedure:
(A) Scan "Enter" barcode (B) Scan "Insertion1Data" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 7-3-14 Insertion2DataPosition

To set up the position to insert data2



Configuration Range	Default Setting
0~8	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Insertion2DataPosition" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



### 7-3-15 Insertion2Data

To set up data2 to be inserted



Configuration Length	Default Setting
2	NULL

**Procedure:**



- (A) Scan "Enter" barcode
- (B) Scan "Insertion2Data" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



## 7-4 EAN-13

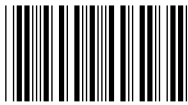
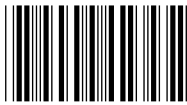
### 7-4-1 Read

Whether the barcode can be scanned

 Disable	 Enable
--	--

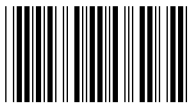
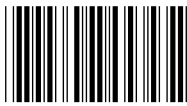
### 7-4-2 Check Digit

Whether to send Check Digit

 Disable	 Enable
--	--

### 7-4-3 Addon2

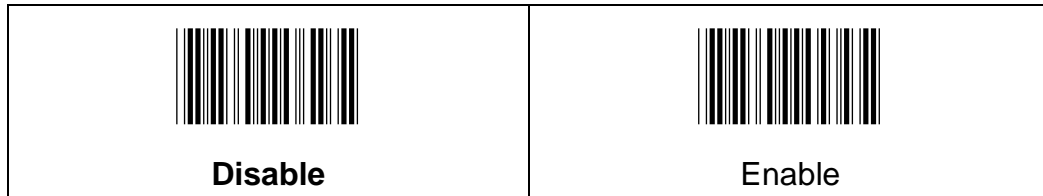
Whether able to read 2 digit additional code

 Disable	 Enable
--	--



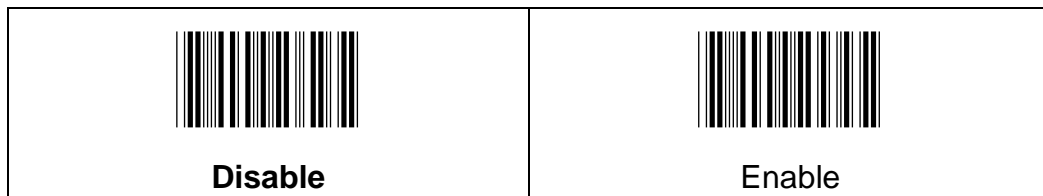
### 7-4-4 Addon5

Whether able to read 5 digit additional code



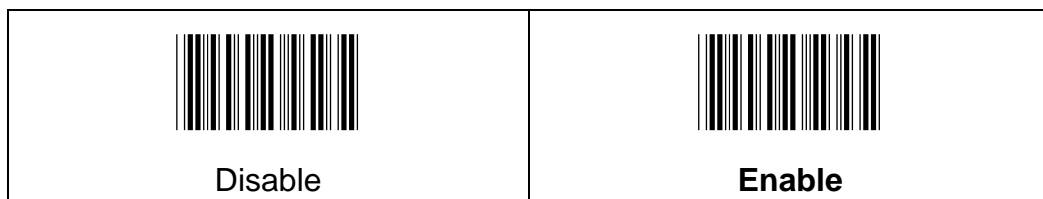
### 7-4-5 Wait Addon

Whether only to read barcode with additional code



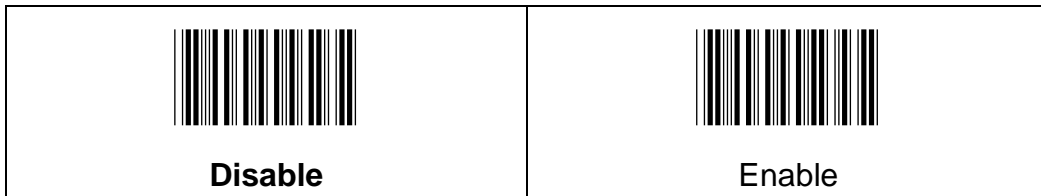
### 7-4-6 Addon Separator

Whether use space to distinguish barcode and additional code



### 7-4-7 ISBN Conversion

If the barcode meets "ISBN" regulation, whether to convert the scanning result to ISBN coding



1

### 7-4-8 Wait Addon Time

Wait for decoding additional code, need to use " Wait Add-on"; If to get the additional code in a specified decoding time, then indicate, otherwise do not indicate



Configuration Range	Unit	Default Setting
0~500 ms	1 ms	120 ms

Procedure:	Example:
(A) Scan "Enter" barcode (B) Scan "Wait Addon Time" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode	If configuration is 20 ms, the parameter value is $20 \text{ ms} / 1 \text{ ms} = 20$



### 7-4-9 Truncate Leading

To set up the number of digits to be omitted from the beginning of the barcode



Configuration Range	Default Setting
0~13	0

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Truncate Leading" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode

### 7-4-10 Truncate Ending

To set up the number of digits to be omitted from the end of the barcode



Configuration Range	Default Setting
0~13	0

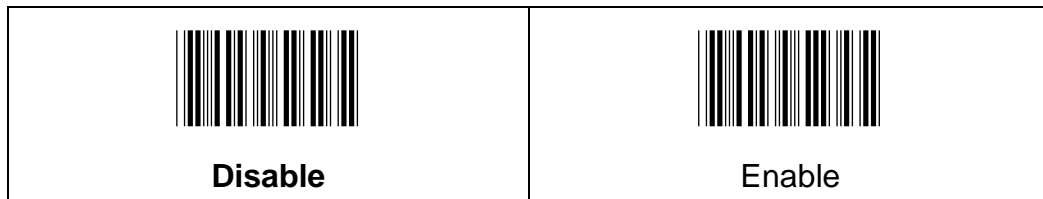
**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Truncate Ending" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



### 7-4-11 Truncate Zero

Whether to omit 0 from the beginning of the barcode



### 7-4-12 Insertion1DataPosition

To set up the position to insert data1



Configuration Range	Default Setting
0~13	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Insertion1DataPosition" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



### 7-4-13 Insertion1Data

To set up data1 to be inserted

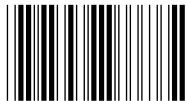


Configuration Length	Default Setting
2	NULL

Procedure:
(A) Scan "Enter" barcode (B) Scan "Insertion1Data" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 7-4-14 Insertion2DataPosition

To set up the position to insert data2



Configuration Range	Default Setting
0~13	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Insertion2DataPosition" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode





## 7-4-15 Insert2Data

To set up data2 to be inserted



Configuration Length	Default Setting
2	NULL

**Procedure:**

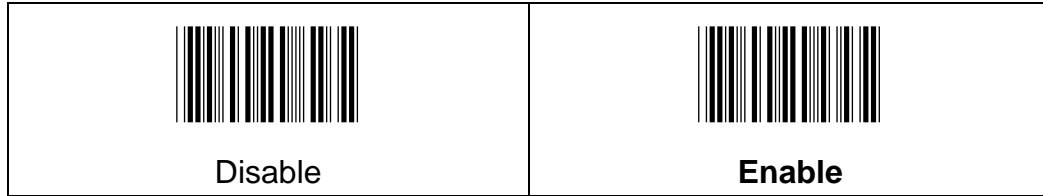
- (A) Scan "Enter" barcode
- (B) Scan "Insertion2Data" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



## 7-5 EAN-8

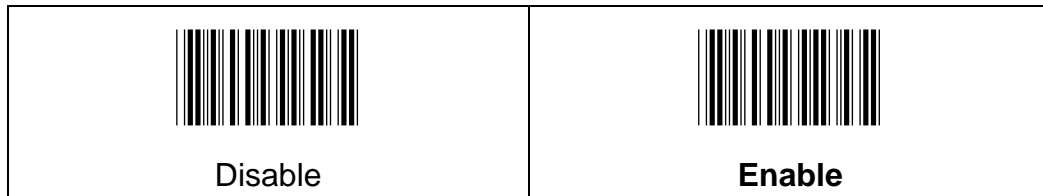
### 7-5-1 Read

Whether the barcode can be scanned



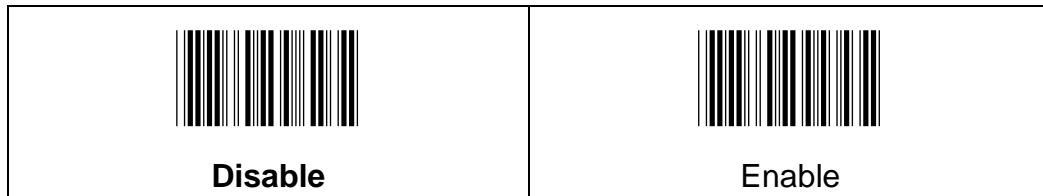
### 7-5-2 Check Digit

Whether to send Check Digit



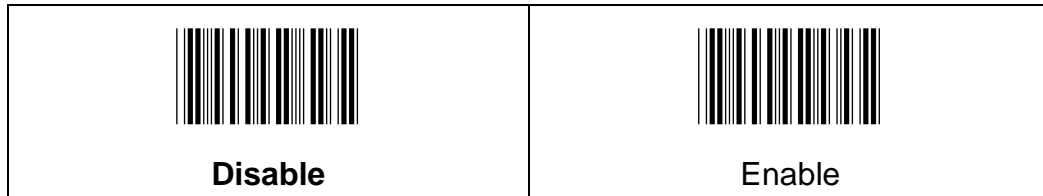
### 7-5-3 Addon2

Whether able to read 2 digit additional code



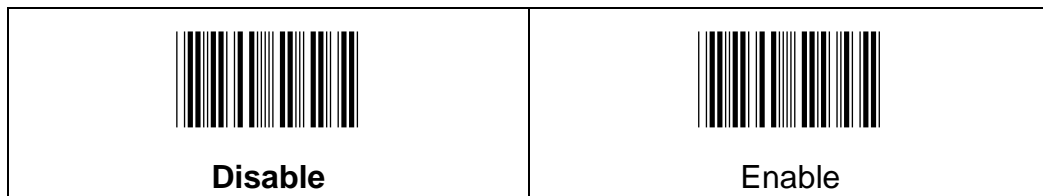
### 7-5-4 Addon5

Whether able to read 5 digit additional code



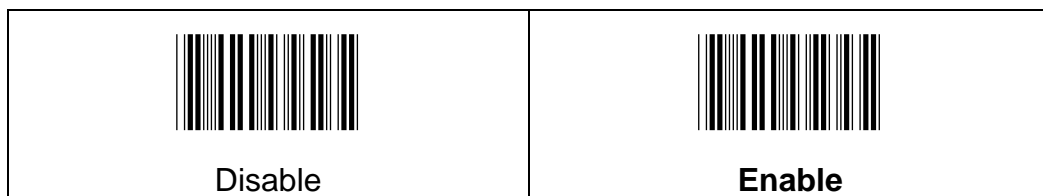
### 7-5-5 Wait Addon

Whether only to read barcode with additional code



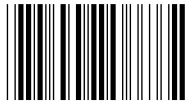
### 7-5-6 Addon Separator

Whether use space to distinguish barcode and additional code



### 7-5-7 Wait Addon Time

Wait for decoding additional code, need to use "Wait Add-on" ; If to get the additional code in a specified decoding time, then indicate, otherwise do not indicate.



Configuration Range	Unit	Default Setting
0~500 ms	1 ms	120 ms

Procedure:	Example:
(A) Scan "Enter" barcode (B) Scan "Wait Addon Time" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode	If configuration is 20 ms, the parameter value is $20 \text{ ms} / 1 \text{ ms} = 20$

### 7-5-8 Truncate Leading

To set up the number of digits to be omitted from the beginning of the barcode



Configuration Range	Default Setting
0~8	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Truncate Leading" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



### 7-5-9 Truncate Ending

To set up the number of digits to be omitted from the end of the barcode

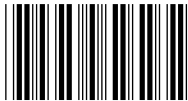
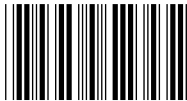


Configuration Range	Default Setting
0~8	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Truncate Ending" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 7-5-10 Truncate Zero

Whether to omit 0 from the beginning of the barcode

 <b>Disable</b>	 <b>Enable</b>
---	---



### 7-5-11 Insertion1DataPosition

To set up the position to insert data1



Configuration Range	Default Setting
0~8	0

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Insertion1DataPosition" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode

### 7-5-12 Insertion1Data

To set up data1 to be inserted



Configuration Length	Default Setting
2	NULL

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Insertion1Data" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



### 7-5-13 Insertion2DataPosition

To set up the position to insert data2



Configuration Range	Default Setting
0~8	0

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Insertion2DataPosition" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode

### 7-5-14 Insertion2Data

To set up data2 to be inserted



Configuration Length	Default Setting
2	NULL

**Procedure:**



- (A) Scan "Enter" barcode
- (B) Scan "Insertion2Data" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



## 7-6 MSI



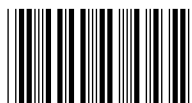




### 7-6-1 Read

Whether the barcode can be scanned.

 <b>Disable</b>	 <b>Enable</b>
---	---

### 7-6-2 Chksum Verification

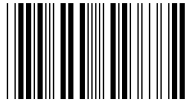
To set up the regulation of check digit, only barcode meet the regulation can be scanned.

 <b>Type10</b>	 <b>Type10, Transmit</b>
 <b>2Type10</b>	 <b>2Type10, Transmit</b>
 <b>Type11</b>	 <b>Type11, Transmit</b>
 <b>Disable</b>	



### 7-6-3 Min Code Length

To set up the minimum length of the barcode, less than this length barcode cannot be scanned



Configuration Range	Default Setting
4~48	4

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Min Code Length" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode

### 7-6-4 Max Code Length

To set up the maximum length of the barcode, longer than this length barcode cannot be scanned



Configuration Range	Default Setting
4~48	48

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Max Code Length" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



### 7-6-5 Truncate Leading

To set up the number of digits to be omitted from the beginning of the barcode



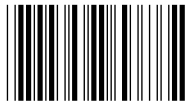
Configuration Range	Default Setting
0~48	0

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Truncate Leading" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode

### 7-6-6 Truncate Ending

To set up the number of digits to be omitted from the end of the barcode



Configuration Range	Default Setting
0~48	0

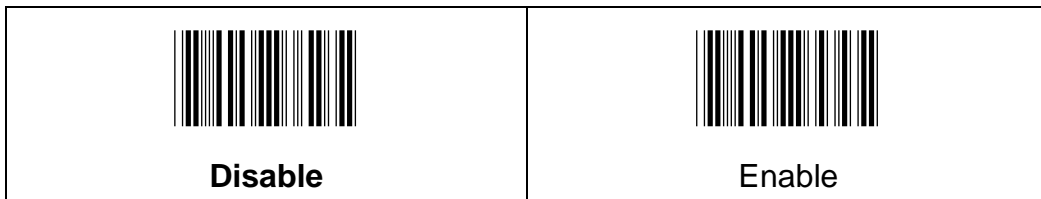
**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Truncate Ending" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



### 7-6-7 Truncate Zero

Whether to omit 0 from the beginning of the barcode



### 7-6-8 Insertion1DataPosition

To set up the position to insert data1



Configuration Range	Default Setting
0~48	0

<b>Procedure:</b>
(A) Scan "Enter" barcode (B) Scan "Insertion1DataPosition" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



### 7-6-9 Insertion1Data

To set up data1 to be inserted



Configuration Length	Default Setting
2	NULL

Procedure:
(A) Scan "Enter" barcode (B) Scan "Insertion1Data" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 7-6-10 Insertion2DataPosition

To set up the position to insert data2



Configuration Range	Default Setting
0~48	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Insertion2DataPosition" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



## 7-6-11 Insertion2Data

To set up data2 to be inserted



Configuration Length	Default Setting
2	NULL

### Procedure:

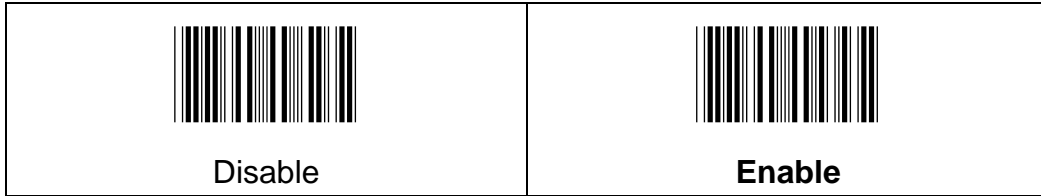
- (A) Scan "Enter" barcode
- (B) Scan "Insertion2Data" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



## 7-7 Gs1Databar

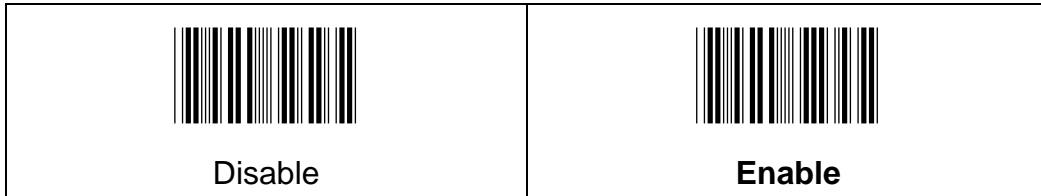
### 7-7-1 Omnidirectional Read

Whether the barcode can be scanned



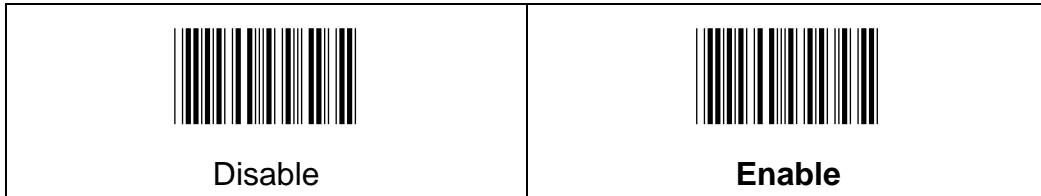
### 7-7-2 Limited Read

Whether the barcode can be scanned



### 7-7-3 Expanded Read

Whether the barcode can be scanned



### 7-7-4 Expanded Min Code Length

To set up the minimum length of the barcode, less than this length barcode cannot be scanned



Configuration Range	Default Setting
4~74	4

Procedure:
(A) Scan "Enter" barcode (B) Scan "Expanded Min Code Length" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 7-7-5 Expanded Max Code Length

To set up the maximum length of the barcode, longer than this length barcode cannot be scanned






Configuration Range	Default Setting
4~74	74

Procedure:
(A) Scan "Enter" barcode (B) Scan "Expanded Max Code Length" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



### 7-7-6 Truncate Leading

To set up the number of digits to be omitted from the beginning of the barcode

		
Gs1DataBar	Gs1DataBar Limited	Gs1DataBar Expanded

Type	Configuration Range	Default Setting
Gs1DataBar	0-74	0
Gs1DataBar Limited	0-74	0
Gs1DataBar Expanded	0-74	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Truncate Leading" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode





## 7-7-7 Truncate Ending

To set up the number of digits to be omitted from the end of the barcode



Type	Configuration Range	Default Setting
Gs1DataBar	0-74	0
Gs1DataBar Limited	0-74	0
Gs1DataBar Expanded	0-74	0

### Procedure:

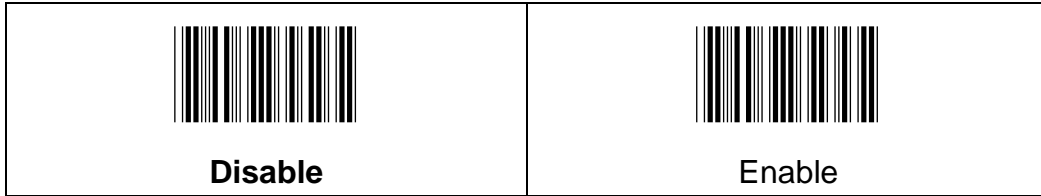
- (A) Scan "Enter" barcode
- (B) Scan "Truncate Ending" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



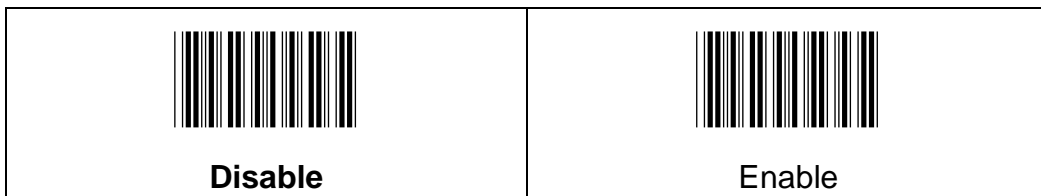
## 7-7-8 Truncate Zero

Whether to omit 0 from the beginning of the barcode

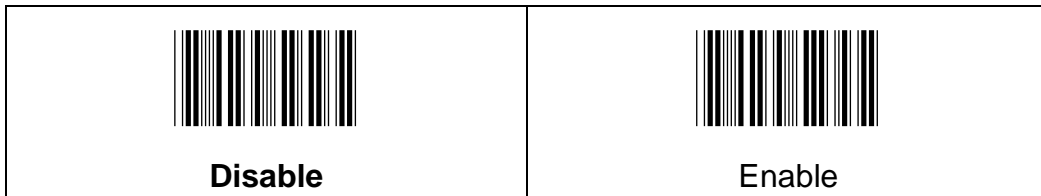
Gs1DataBar:



Gs1DataBar Limited:



Gs1DataBar Expanded:



## 7-7-9 Insertion1DataPosition

To set up the position to insert data1

 Gs1DataBar	 Gs1DataBar Limited	 Gs1DataBar Expanded
---	---	--

Type	Configuration Range	Default Setting
Gs1DataBar	0-74	0
Gs1DataBar Limited	0-74	0
Gs1DataBar Expanded	0-74	0

### Procedure:

- (A) Scan "Enter" barcode
- (B) Scan "Insertion1DataPosition" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



### 7-7-10 Insertion1Data

To set up data1 to be inserted

 Gs1DataBar	 Gs1DataBar Limited	 Gs1DataBar Expanded
---	---	--

Type	Configuration Length	Default Setting
Gs1DataBar	2	NULL
Gs1DataBar Limited	2	NULL
Gs1DataBar Expanded	2	NULL




**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Insertion1Data" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



### 7-7-11 Insertion2DataPosition

To set up the position to insert data2

 Gs1DataBar	 Gs1DataBar Limited	 Gs1DataBar Expanded
---	---	--

Type	Configuration Range	Default Setting
Gs1DataBar	0-74	0
Gs1DataBar Limited	0-74	0
Gs1DataBar Expanded	0-74	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Insertion2DataPosition" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



## 7-7-12 Insertion2Data

To set up data2 to be inserted

 Gs1DataBar	 Gs1DataBar Limited	 Gs1DataBar Expanded
---	---	--

Type	Configuration Length	Default Setting
Gs1DataBar	2	NULL
Gs1DataBar Limited	2	NULL
Gs1DataBar Expanded	2	NULL

### Procedure:

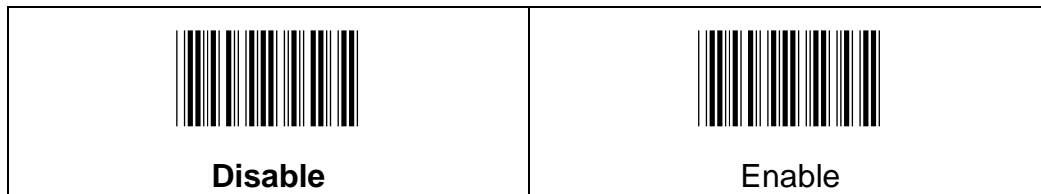
- (A) Scan "Enter" barcode
- (B) Scan "Insertion2Data" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



## 7-8 Gs1 Composite

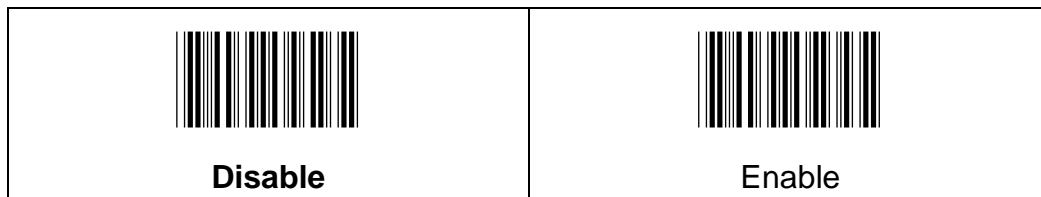
### 7-8-1 Read

Whether the barcode can be scanned



### 7-8-2 Upc/ Ean Version

Scan the UPC/EAN Version on bar code to decode GS1 Composite symbols that have a U.P.C. or an EAN linear component. (This does not affect GS1 Composite symbols with a GS1-128 or GS1 linear component.)



### 7-8-3 Gs1Emulation






The scanner can automatically format the output from GS1 data carrier to emulate what would be encoded in an equivalent GS1-128 or GS1 Databar cmbol.

**Gs1-128:** If GS1-128 Emulation is scanned, all retail codes(U.P.C., UPC-E, EAN8, EAN13) are expanded out to 16 digits.

**Gs1DataBar:** If GS1 databar Emulation is scanned, all retail codes(U.P.C., UPC-E, EAN8, EAN13) are expanded out to 16 digits.

**Code Expansion Off:** If GS1 Code Expansion Off is scanned, retail code expansion is disabled, and UPC-E expansion is controlled by the UPC-E0 Expanded setting.

**EAN8 to EAN13:** If EAN8 to EAN13 Conversion is scanned, all EAN8 bar codes are converted to EAN13 format.

 <b>Disable</b>	 <b>Gs1-128</b>
 <b>Gs1DataBar</b>	 <b>Code Expansion Off</b>
 <b>EAN8 to EAN13</b>	

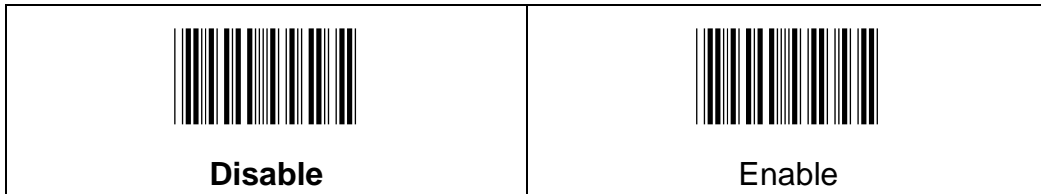




## 7-9 Codablock

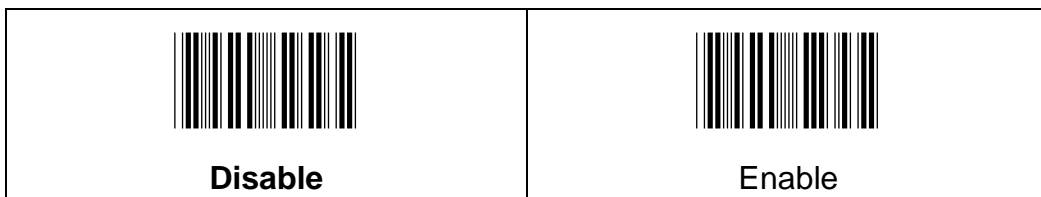
### 7-9-1 CodablockARead

Whether the barcode can be scanned



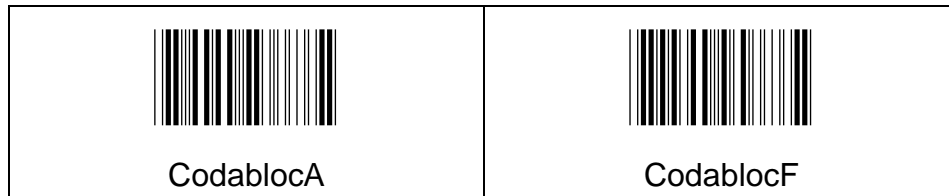
### 7-9-2 CodablockFRead

Whether the barcode can be scanned



### 7-9-3 Min Code Length

To set up the minimum length of the barcode, less than this length barcode cannot be scanned



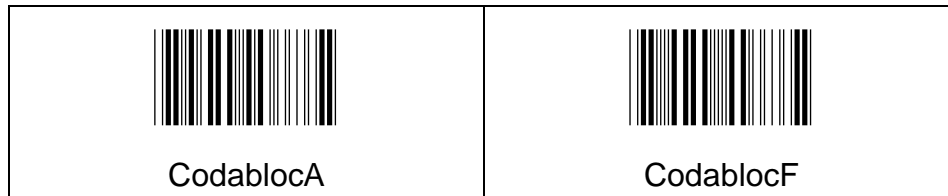
Type	Configuration Range	Default Setting
CodablocA	1~600	1
CodablocF	1~2048	1

<b>Procedure:</b>
(A) Scan "Enter" barcode (B) Scan "Min Code Length" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



### 7-9-4 Max Code Length

To set up the maximum length of the barcode, longer than this length barcode cannot be scanned



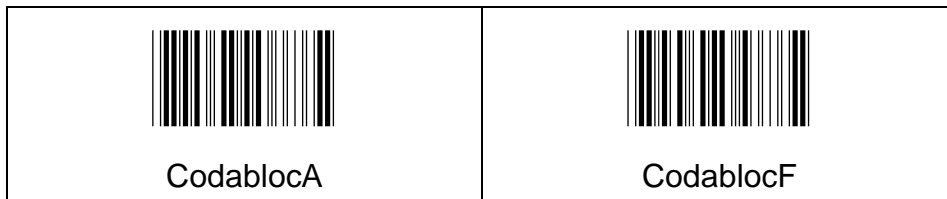
Type	Configuration Range	Default Setting
CodablocA	1~600	600
CodablocF	1~2048	2048

<b>Procedure:</b>
(A) Scan "Enter" barcode (B) Scan "Max Code Length" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



### 7-9-5 Truncate Leading

To set up the number of digits to be omitted from the beginning the barcode



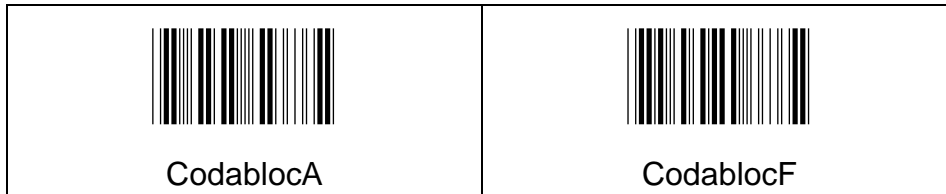
Type	Configuration Range	Default Setting
CodablocA	0~600	0
CodablocF	0~2048	0

<b>Procedure:</b>
(A) Scan "Enter" barcode (B) Scan "Truncate Leading" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



### 7-9-6 Truncate Ending

To set up the number of digits to be omitted from the end of the barcode



Type	Configuration Range	Default Setting
CodablocA	0~600	0
CodablocF	0~2048	0

<b>Procedure:</b>
(A) Scan "Enter" barcode (B) Scan "Truncate Ending" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



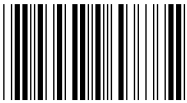
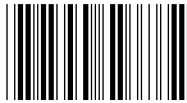
### 7-9-7 Truncate Zero

Whether to omit 0 from the beginning of the barcode

CodablocA	CodablocF
 <b>Disable</b>	 <b>Disable</b>
 Enable	 Enable

### 7-9-8 Insertion1DataPosition

To set up the position to insert data1

 CodablocA	 CodablocF
--	---

Type	Configuration Range	Default Setting
CodablocA	0~600	0
CodablocF	0~2048	0

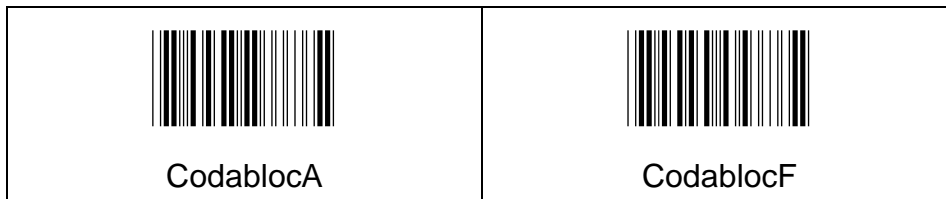
#### Procedure:

- (A) Scan "Enter" barcode
- (B) Scan "Insertion1DataPosition" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



### 7-9-9 Insertion1Data

To set up data1 to be inserted



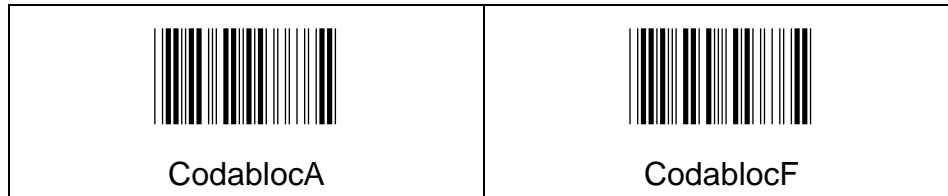
Type	Configuration Length	Default Setting
CodablocA	2	NULL
CodablocF	2	NULL

<b>Procedure:</b>
(A) Scan “Enter” barcode (B) Scan “Insertion1Data” barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan “OK” barcode (E) Scan “End” barcode



## 7-9-10 Insertion2DataPosition

To set up the position to insert data2



Type	Configuration Range	Default Setting
CodablocA	0~600	0
CodablocF	0~2048	0

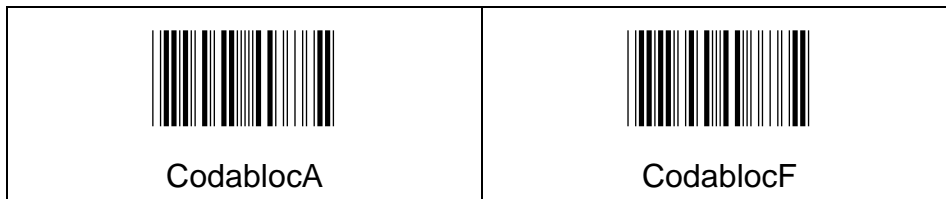
<b>Procedure:</b>
(A) Scan "Enter" barcode (B) Scan "Insertion2DataPosition" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode





### 7-9-11 Insertion2Data

To set up data2 to be inserted



Type	Configuration Length	Default Setting
CodablocA	2	NULL
CodablocF	2	NULL

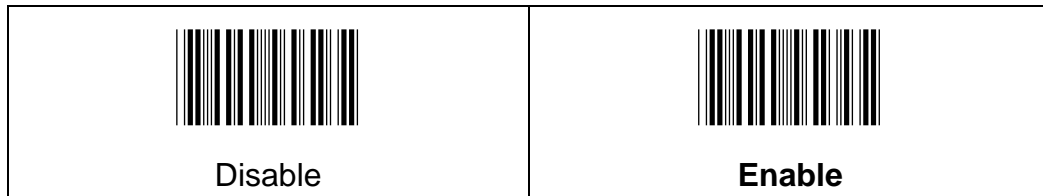
<b>Procedure:</b>
(A) Scan "Enter" barcode (B) Scan "Insertion2Data" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



## 7-10 PDF417

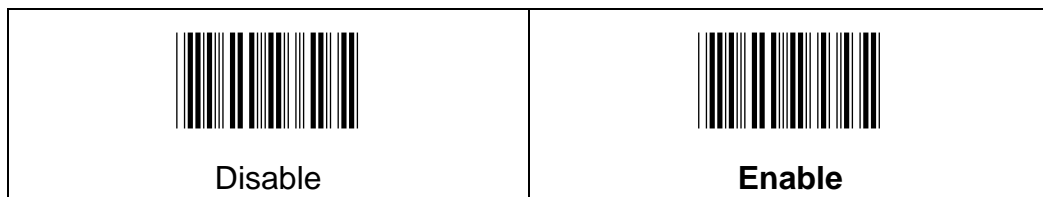
### 7-10-1 Pdf417 Read

Whether the barcode can be scanned



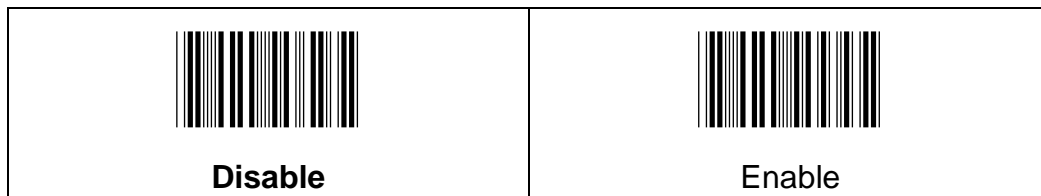
### 7-10-2 MacroPdf417 Read

MacroPDF417 is an implementation of PDF417 capable of encoding very large amounts of data into multiple PDF417 bar codes. When this selection is enabled, these multiple bar codes are assembled into a single data string.



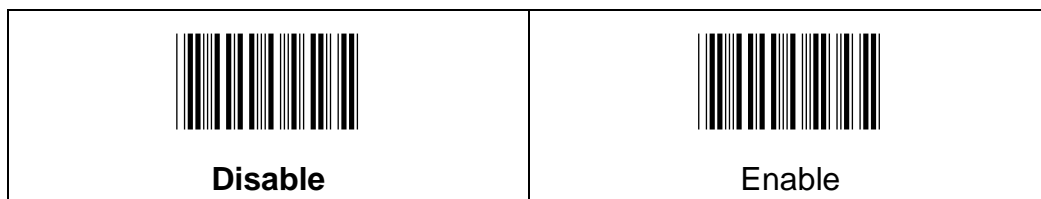
### 7-10-3 Poor Quality PDF Codes Read

This setting improves the scanner's ability to read damaged or badly printed PDF codes by combining information from multiple images. When Poor Quality PDF On is scanned, poor quality PDF code reading is improved, but the scanner's snappiness is decreased, making it less aggressive when reading good quality bar codes. This Setting does not affect 1D bar code reading.



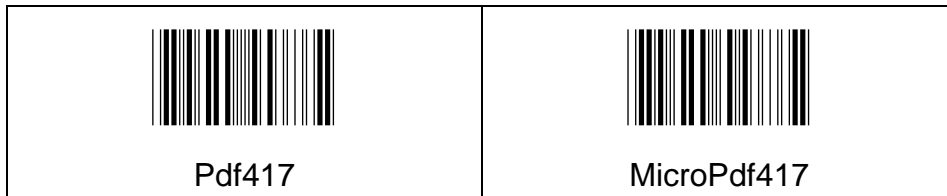
### 7-10-4 MicroPdf417 Read

Whether the barcode can be scanned



### 7-10-5 Min Code Length

To set up the minimum length of the barcode, less than this length barcode cannot be scanned



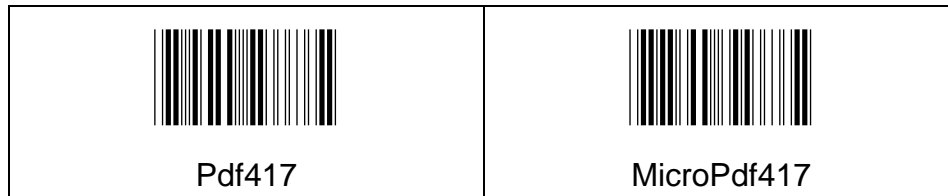
Type	Configuration Range	Default Setting
Pdf417	1~2750	1
MicroPdf417	1~366	1

Procedure:
(A) Scan "Enter" barcode (B) Scan "Min Code Length" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



### 7-10-6 Max Code Length

To set up the maximum length of the barcode, longer than this length barcode cannot be scanned



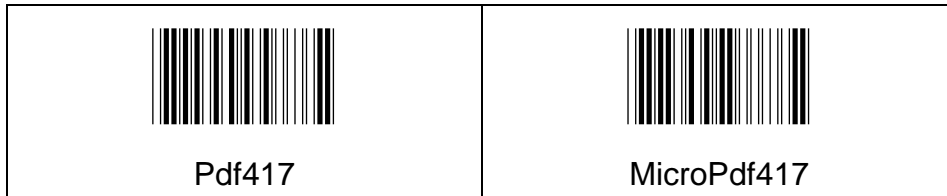
Type	Configuration Range	Default Setting
Pdf417	1~2750	2750
MicroPdf417	1~366	366

<b>Procedure:</b>
(A) Scan "Enter" barcode (B) Scan "Max Code Length" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



### 7-10-7 Truncate Leading

To set up the number of digits to be omitted from the beginning of the barcode



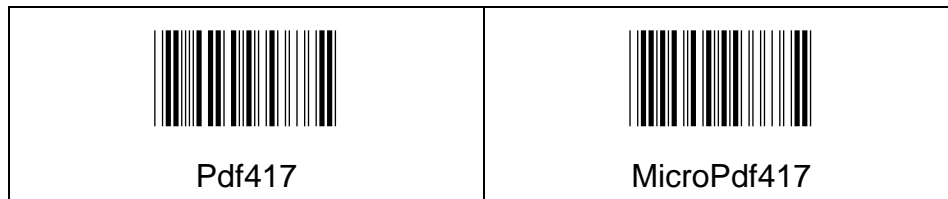
Type	Configuration Range	Default Setting
Pdf417	0~2750	0
MicroPdf417	0~366	0

<b>Procedure:</b>
(A) Scan "Enter" barcode (B) Scan "Truncate Leading" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



### 7-10-8 Truncate Ending

To set up the number of digits to be omitted from the end of the barcode



Type	Configuration Range	Default Setting
Pdf417	0~2750	0
MicroPdf417	0~366	0

<b>Procedure:</b>
(A) Scan “Enter” barcode (B) Scan “Truncate Ending” barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan “OK” barcode (E) Scan “End” barcode

### 7-10-9 Truncate Zero

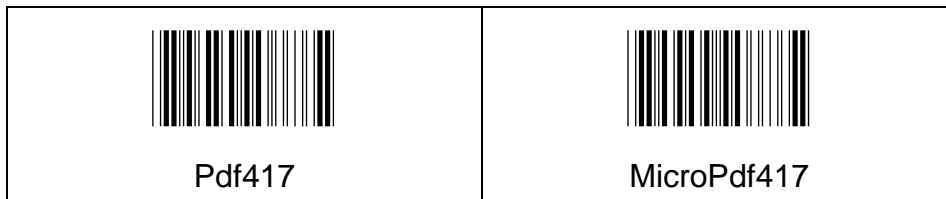
Whether to omit 0 from the beginning of the barcode

Pdf417	MicroPdf417
 <b>Disable</b>	 <b>Disable</b>
 Enable	 Enable



## 7-10-10 Insertion1DataPosition

To set up the position to insert data1



Type	Configuration Range	Default Setting
Pdf417	0~2750	0
MicroPdf417	0~366	0

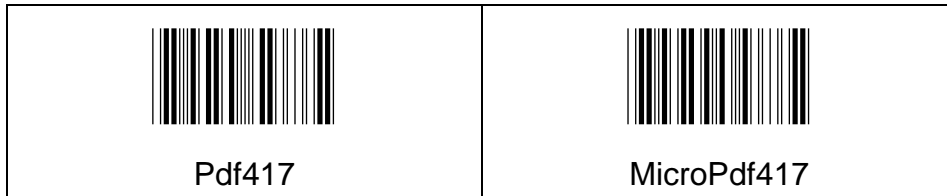
<b>Procedure:</b>
(A) Scan "Enter" barcode (B) Scan "Insertion1DataPosition" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode





### 7-10-11 Insertion1Data

To set up data1 to be inserted



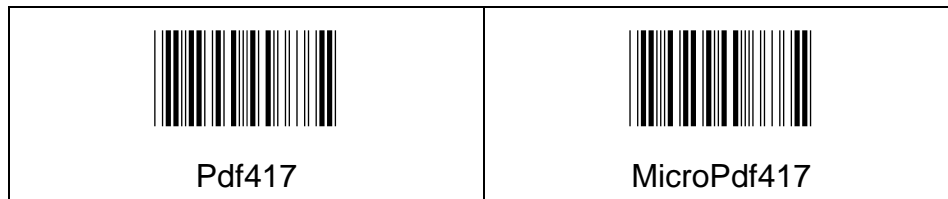
Type	Configuration Length	Default Setting
Pdf417	2	NULL
MicroPdf417	2	NULL

<b>Procedure:</b>
(A) Scan "Enter" barcode (B) Scan "Insertion1Data" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



## 7-10-12 Insertion2DataPosition

To set up the position to insert data2



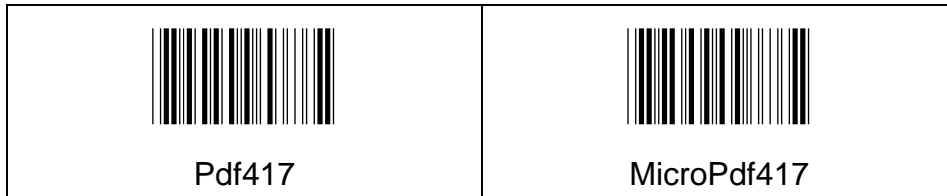
Type	Configuration Range	Default Setting
Pdf417	0~2750	0
MicroPdf417	0~366	0

<b>Procedure:</b>
(A) Scan "Enter" barcode (B) Scan "Insertion2DataPosition" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



### 7-10-13 Insertion2Data

To set up data2 to be inserted



Type	Configuration Length	Default Setting
Pdf417	2	NULL
MicroPdf417	2	NULL

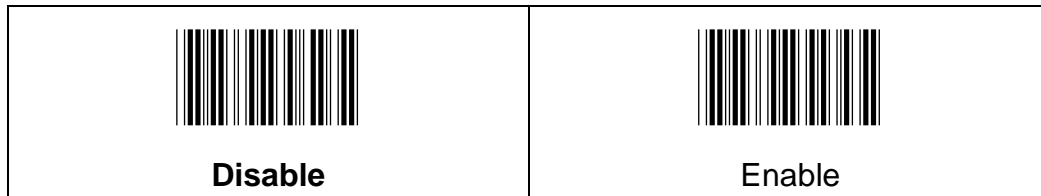
<b>Procedure:</b>
(A) Scan "Enter" barcode (B) Scan "Insertion2Data" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



## 7-11 Tlc39

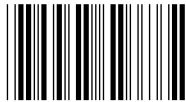
### 7-11-1 Read

Whether the barcode can be scanned



### 7-11-2 Truncate Leading

To set up the number of digits to be omitted from the beginning of the barcode



Configuration Range	Default Setting
0~48	0

<b>Procedure:</b>
(A) Scan “Enter” barcode (B) Scan “Truncate Leading” barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan “OK” barcode (E) Scan “End” barcode



### 7-11-3 Truncate Ending

To set up the number of digits to be omitted from the end of the barcode


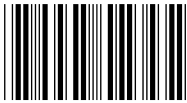


Configuration Range	Default Setting
0~48	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Truncate Ending" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 7-11-4 Truncate Zero

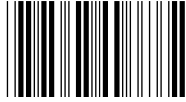
Whether to omit 0 from the beginning of the barcode

 <b>Disable</b>	 <b>Enable</b>
---	---



### 7-11-5 Insertion1DataPosition

To set up the position to insert data1

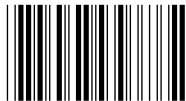


Configuration Range	Default Setting
0~48	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Insertion1DataPosition" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 7-11-6 Insertion1Data

To set up data1 to be inserted



Configuration Length	Default Setting
2	NULL

Procedure:
(A) Scan "Enter" barcode (B) Scan "Insertion1Data" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



### 7-11-7 Insertion2DataPosition

To set up the position to insert data2

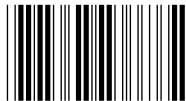


Configuration Range	Default Setting
0~48	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Insertion2DataPosition" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 7-11-8 Insertion2Data

To set up data2 to be inserted



Configuration Length	Default Setting
2	NULL

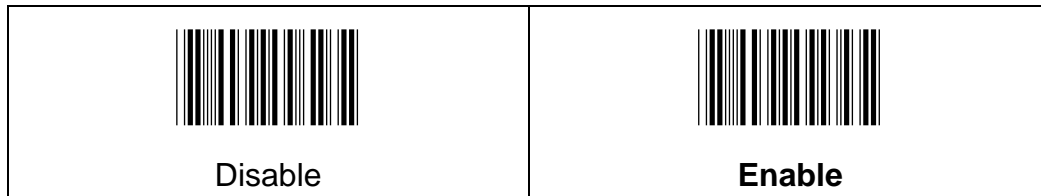
Procedure:
(A) Scan "Enter" barcode (B) Scan "Insertion2Data" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



## 7-12 QR Code

### 7-12-1 Read

Whether the barcode can be scanned

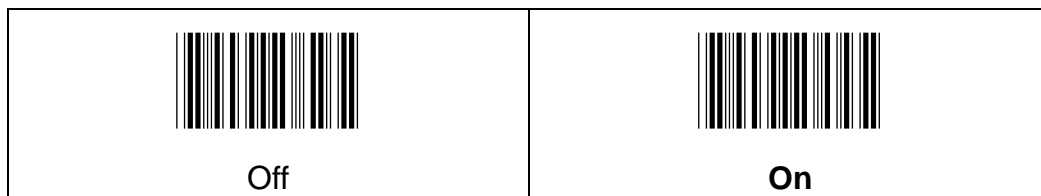


### 7-12-2 Append

To set up whether able to scan multiple related barcodes, and decode them into a complete QR Code barcode

**Off:** Disable this function

**On:** Enable this function; the scanning light will not be off when you are scanning related barcodes, a beep sound will be occurred when the related barcodes are successfully decoded.





### 7-12-3 Min Code Length

To set up the minimum length of the barcode, less than this length barcode cannot be scanned



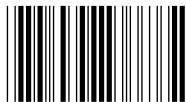
Configuration Range	Default Setting
1~7089	1

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Min Code Length" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode

### 7-12-4 Max Code Length

To set up the maximum length of the barcode, longer than this length barcode cannot be scanned.



Configuration Range	Default Setting
1~7089	7089

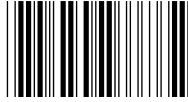
**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Max Code Length" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



### 7-12-5 Truncate Leading

To set up the number of digits to be omitted from the beginning of the barcode



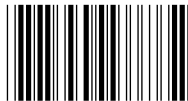
Configuration Range	Default Setting
0~7089	0

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Truncate Leading" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode

### 7-12-6 Truncate Ending

To set up the number of digits to be omitted from the end of the barcode



Configuration Range	Default Setting
0~7089	0

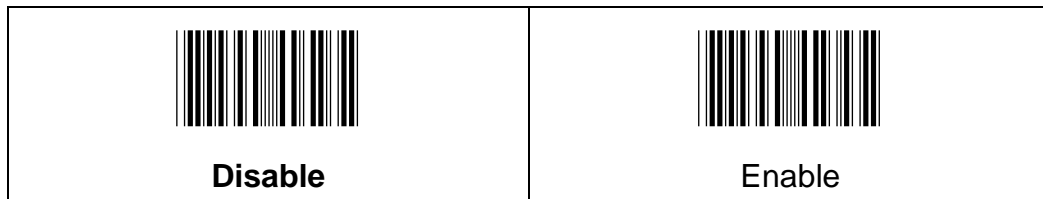
**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Truncate Ending" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



### 7-12-7 Truncate Zero

Whether to omit 0 from the beginning of the barcode



### 7-12-8 Insertion1DataPosition

To set up the position to insert data1



Configuration Range	Default Setting
0~7089	0

<b>Procedure:</b>
(A) Scan "Enter" barcode (B) Scan "Insertion1DataPosition" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



### 7-12-9 Insertion1Data

To set up data1 to be inserted



Configuration Length	Default Setting
2	NULL

Procedure:
(A) Scan "Enter" barcode (B) Scan "Insertion1Data" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 7-12-10 Insertion2DataPosition

To set up the position to insert data2



Configuration Range	Default Setting
0~7089	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Insertion2DataPosition" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



### 7-12-11 Insertion2Data

To set up data2 to be inserted



Configuration Length	Default Setting
2	NULL

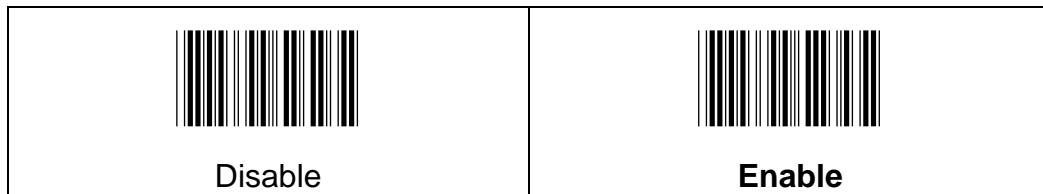
Procedure:
(A) Scan "Enter" barcode (B) Scan "Insertion2Data" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



## 7-13 Data Matrix

### 7-13-1 Read

Whether the barcode can be scanned



### 7-13-2 Min Code Length

To set up the minimum length of the barcode, less than this length barcode cannot be scanned



Configuration Range	Default Setting
1~3116	1

<b>Procedure:</b>
(A) Scan “Enter” barcode (B) Scan “Min Code Length” barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan “OK” barcode (E) Scan “End” barcode



### 7-13-3 Max Code Length

To set up the maximum length of the barcode, longer than this length barcode cannot be scanned

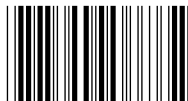


Configuration Range	Default Setting
1~3116	3116

Procedure:
(A) Scan "Enter" barcode (B) Scan "Max Code Length" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 7-13-4 Truncate Leading

To set up the number of digits to be omitted from the beginning of the barcode



Configuration Range	Default Setting
0~3116	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Truncate Leading" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 7-13-5 Truncate Ending

To set up the number of digits to be omitted from the end of the barcode



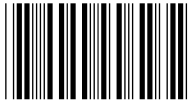



Configuration Range	Default Setting
0~3116	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Truncate Ending" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 7-13-6 Truncate Zero

Whether to omit 0 from the beginning of the barcode

 <b>Disable</b>	 <b>Enable</b>
---	---





### 7-13-7 Insertion1DataPosition

To set up the position to insert data1

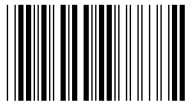


Configuration Range	Default Setting
0~3116	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Insertion1DataPosition" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 7-13-8 Insertion1Data

To set up data1 to be inserted



Configuration Length	Default Setting
2	NULL

Procedure:
(A) Scan "Enter" barcode (B) Scan "Insertion1Data" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



### 7-13-9 Insertion2DataPosition

To set up the position to insert data2



Configuration Range	Default Setting
0~3116	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Insertion2DataPosition" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 7-13-10 Insertion2Data

To set up data2 to be inserted



Configuration Length	Default Setting
2	NULL

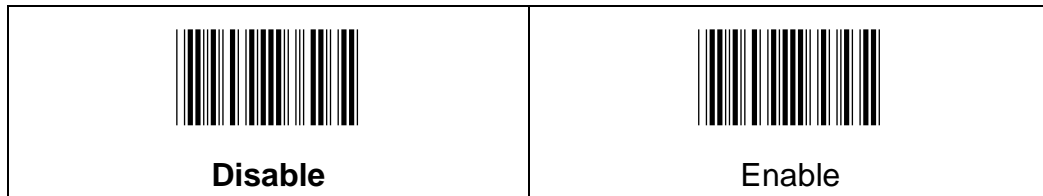
Procedure:
(A) Scan "Enter" barcode (B) Scan "Insertion2Data" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



## 7-14 MaxiCode

### 7-14-1 Read

Whether the barcode can be scanned



### 7-14-2 Min Code Length

To set up the minimum length of the barcode, less than this length barcode cannot be scanned



Configuration Range	Default Setting
1~150	1

<b>Procedure:</b>
(A) Scan “Enter” barcode (B) Scan “Min Code Length” barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan “OK” barcode (E) Scan “End” barcode



### 7-14-3 Max Code Length

To set up the maximum length of the barcode, longer than this length barcode cannot be scanned



Configuration Range	Default Setting
1~150	150

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Max Code Length" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode

### 7-14-4 Truncate Leading

To set up the number of digits to be omitted from the beginning of the barcode



Configuration Range	Default Setting
0~150	0

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Truncate Leading" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



### 7-14-5 Truncate Ending

To set up the number of digits to be omitted from the end of the barcode


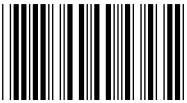


Configuration Range	Default Setting
0~150	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Truncate Ending" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 7-14-6 Truncate Zero

Whether to omit 0 from the beginning of the barcode

 <b>Disable</b>	 <b>Enable</b>
---	---



### 7-14-7 Insertion1DataPosition

To set up the position to insert data1

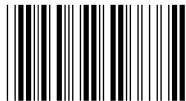


Configuration Range	Default Setting
0~150	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Insertion1DataPosition" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 7-14-8 Insertion1Data

To set up data1 to be inserted



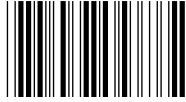
Configuration Length	Default Setting
2	NULL

Procedure:
(A) Scan "Enter" barcode (B) Scan "Insertion1Data" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



### 7-14-9 Insertion2DataPosition

To set up the position to insert data2

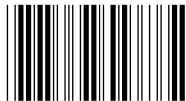


Configuration Range	Default Setting
0~150	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Insertion2DataPosition" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 7-14-10 Insertion2Data

To set up data2 to be inserted



Configuration Length	Default Setting
2	NULL

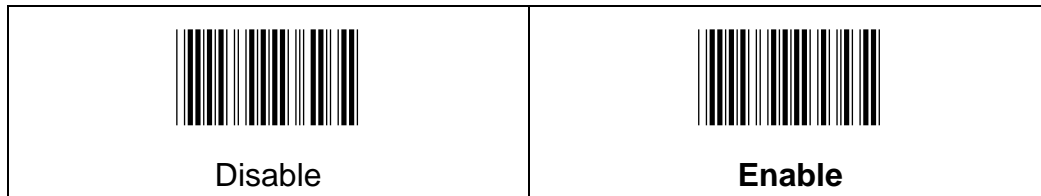
Procedure:
(A) Scan "Enter" barcode (B) Scan "Insertion2Data" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



## 7-15 Aztec

### 7-15-1 Read

Whether the barcode can be scanned

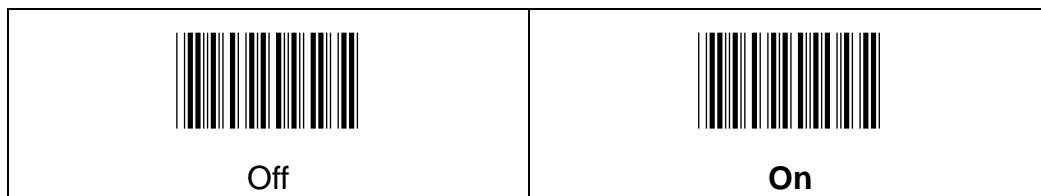


### 7-15-2 Append

To set up whether able to scan multiple related barcodes, and decode them into a complete Aztec barcode

**Off:** Disable this function

**On:** Enable this function; the scanning light will not be off when you are scanning related barcodes, a beep sound will be occurred when the related barcodes are successfully decoded.





### 7-15-3 Min Code Length

To set up the minimum length of the barcode, less than this length barcode cannot be scanned



Configuration Range	Default Setting
1~3832	1

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Min Code Length" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode

### 7-15-4 Max Code Length

To set up the maximum length of the barcode, longer than this length barcode cannot be scanned



Configuration Range	Default Setting
1~3832	3832

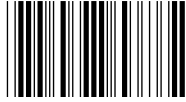
**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Max Code Length" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



### 7-15-5 Truncate Leading

To set up the number of digits to be omitted from the beginning of the barcode



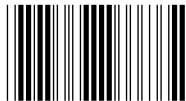
Configuration Range	Default Setting
0~3832	0

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Truncate Leading" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode

### 7-15-6 Truncate Ending

To set up the number of digits to be omitted from the end of the barcode



Configuration Range	Default Setting
0~3832	0

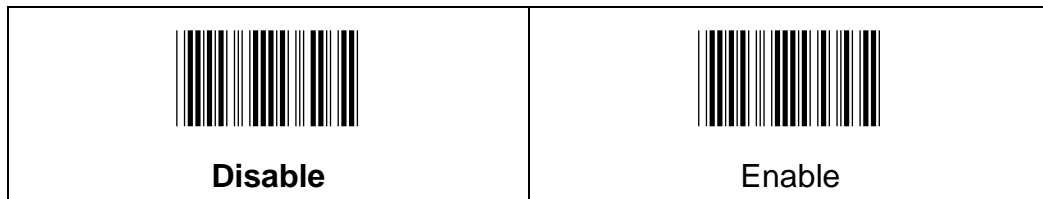
**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Truncate Ending" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



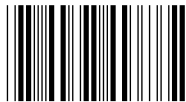
### 7-15-7 Truncate Zero

Whether to omit 0 from the beginning of the barcode



### 7-15-8 Insertion1DataPosition

To set up the position to insert data1



Configuration Range	Default Setting
0~3832	0

<b>Procedure:</b>
(A) Scan “Enter” barcode (B) Scan “Insertion1DataPosition” barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan “OK” barcode (E) Scan “End” barcode



### 7-15-9 Insertion1Data

To set up data1 to be inserted

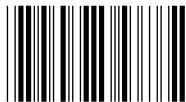


Configuration Length	Default Setting
2	NULL

Procedure:
(A) Scan "Enter" barcode (B) Scan "Insertion1Data" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 7-15-10 Insertion2DataPosition

To set up the position to insert data2



Configuration Range	Default Setting
0~3832	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Insertion2DataPosition" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



### 7-15-11 Insertion2Data

To set up data2 to be inserted



Configuration Length	Default Setting
2	NULL

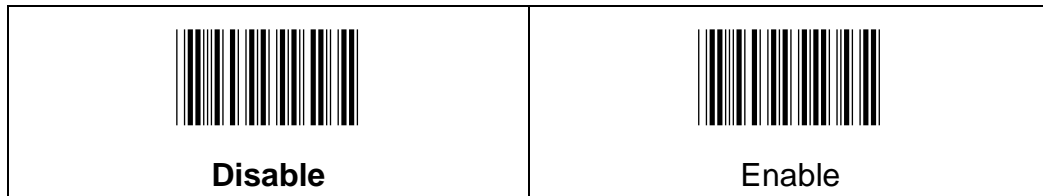
Procedure:
(A) Scan "Enter" barcode (B) Scan "Insertion2Data" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



## 7-16 Chinese Sensible (HanXinCode)

### 7-16-1 Read

Whether the barcode can be scanned



### 7-16-2 Min Code Length

To set up the minimum length of the barcode, less than this length barcode cannot be scanned



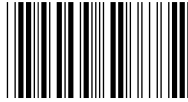
Configuration Range	Default Setting
1~7833	1

<b>Procedure:</b>
(A) Scan “Enter” barcode (B) Scan “Min Code Length” barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan “OK” barcode (E) Scan “End” barcode



### 7-16-3 Max Code Length

To set up the maximum length of the barcode, longer than this length barcode cannot be scanned



Configuration Range	Default Setting
1~7833	7833

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Max Code Length" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode

### 7-16-4 Truncate Leading

To set up the number of digits to be omitted from the beginning of the barcode



Configuration Range	Default Setting
0~7833	0

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Truncate Leading" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



### 7-16-5 Truncate Ending

To set up the number of digits to be omitted from the end of the barcode



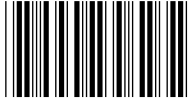

Configuration Range	Default Setting
0~7833	0

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Truncate Ending" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode

### 7-16-6 Truncate Zero

Whether to omit 0 from the beginning of the barcode

 <b>Disable</b>	 <b>Enable</b>
---	---





### 7-16-7 Insertion1DataPosition

To set up the position to insert data1



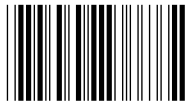
Configuration Range	Default Setting
0~7833	0

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Insertion1DataPosition" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode

### 7-16-8 Insertion1Data

To set up data1 to be inserted



Configuration Length	Default Setting
2	NULL

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Insertion1Data" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



### 7-16-9 Insertion2DataPosition

To set up the position to insert data2



Configuration Range	Default Setting
0~7833	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Insertion2DataPosition" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 7-16-10 Insertion2Data

To set up data2 to be inserted



Configuration Length	Default Setting
2	NULL

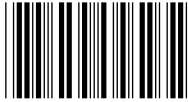

Procedure:
(A) Scan "Enter" barcode (B) Scan "Insertion2Data" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



## 7-17 Codabar (Nw7)

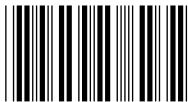

### 7-17-1 Read

Whether the barcode can be scanned

 Disable	 Enable
--	--




### 7-17-2 Start/End Transmission

Whether to send the start code and end code of the barcode

 Disable	 Enable
--	--

### 7-17-3 Chksum Digit

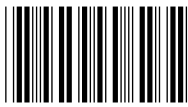

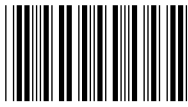
To set up the regulation of check digit, and whether to send the check digit

 Disable	 Modulo 16
 Modulo 16, Transmit	



### 7-17-4 Concatenation

Codabar supports symbol concatenation. When you enable concatenation, the scanner looks for a Codabar symbol having a “D” start character, adjacent to a symbol having a “D” stop character. In this case the two messages are concatenated into one with the “D” characters omitted. Select Require to prevent the scanner from decoding a single “D” Codabar symbol without its companion. This selection has no effect on Codabar symbols without Stop/Start D characters.

 <p>Off</p>	 <p>On</p>
 <p>Require</p>	

### 7-17-5 Min Code Length

To set up the minimum length of the barcode, less than this length barcode cannot be scanned

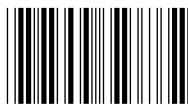


Configuration Range	Default Setting
2~60	4

Procedure:
(A) Scan "Enter" barcode (B) Scan "Min Code Length" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 7-17-6 Max Code Length

To set up the maximum length of the barcode, longer than this length barcode cannot be scanned



Configuration Range	Default Setting
2~60	60

Procedure:
(A) Scan "Enter" barcode (B) Scan "Max Code Length" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



### 7-17-7 Concatenation Time Out

When searching for bar codes during concatenation, you may wish to set a delay used to find the next bar code. Set the length (in milliseconds) for this delay by scanning the following bar code.



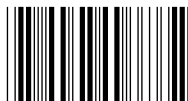
Configuration Range	Unit	Default Setting
10~4000 ms	1ms	800 ms

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Concatenation Time Out" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode

### 7-17-8 Truncate Leading

To set up the number of digits to be omitted from the beginning of the barcode



Configuration Range	Default Setting
0~60	0

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Truncate Leading" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



### 7-17-9 Truncate Ending

To set up the number of digits to be omitted from the end of the barcode





Configuration Range	Default Setting
0~60	0

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Truncate Ending" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode

### 7-17-10 Truncate Zero

Whether to omit 0 from the beginning of the barcode

 <b>Disable</b>	 <b>Enable</b>
---	---



### 7-17-11 Insertion 1Data Position

To set up the position to insert data1

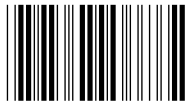


Configuration Range	Default Setting
0~60	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Insertion 1Data Position" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 7-17-12 Insertion1Data

To set up the data1 to be inserted



Configuration Length	Default Setting
2	NULL

Procedure:
(A) Scan "Enter" barcode (B) Scan "Insertion1Data" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode





### 7-17-13 Insertion2DataPosition

To set up the position to insert data2



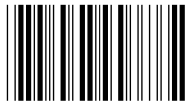
Configuration Range	Default Setting
0~60	0

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Insertion2DataPosition" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode

### 7-17-14 Insertion2Data

To set up the data2 to be inserted



Configuration Length	Default Setting
2	NULL

**Procedure:**



- (A) Scan "Enter" barcode
- (B) Scan "Insertion2Data" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



## 7-18 Code39



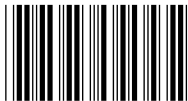
### 7-18-1 Read

Whether the barcode can be scanned

 <b>Disable</b>	 <b>Enable</b>
---	---

### 7-18-2 Chksum Verification

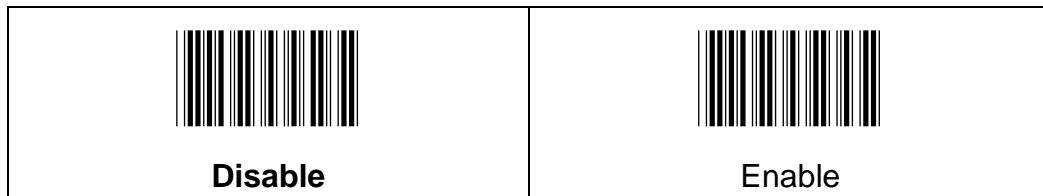
To set up the regulation of check digit, and whether to send the check digit

 <b>Disable</b>	 <b>Validate</b>
 <b>Validate, Transmit</b>	



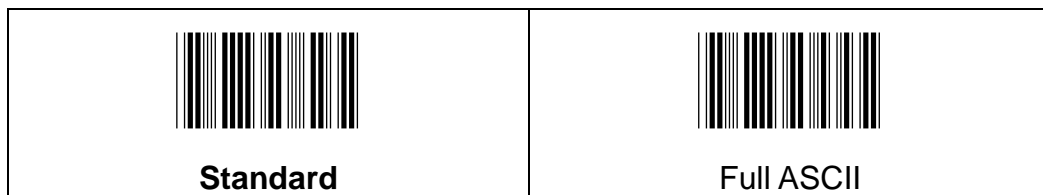
### 7-18-3 Start/End Transmission

Whether to indicate "\*" in the beginning and the end of the barcode



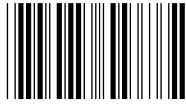
### 7-18-4 Type

To set up whether able to decode the Code39 of Full ASCII, to indicate lowercase and special symbologies



### 7-18-5 Min Code Length

To set up the minimum length of the barcode, less than this length barcode cannot be scanned

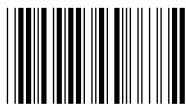


Configuration Range	Default Setting
0~48	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Min Code Length" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 7-18-6 Max Code Length

To set up the maximum length of the barcode, longer than this length barcode cannot be scanned



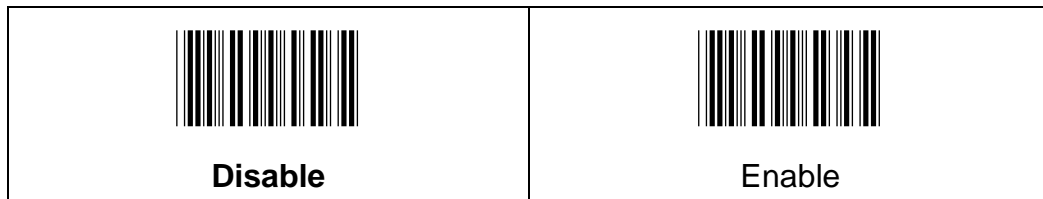
Configuration Range	Default Setting
0~48	48

Procedure:
(A) Scan "Enter" barcode (B) Scan "Max Code Length" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



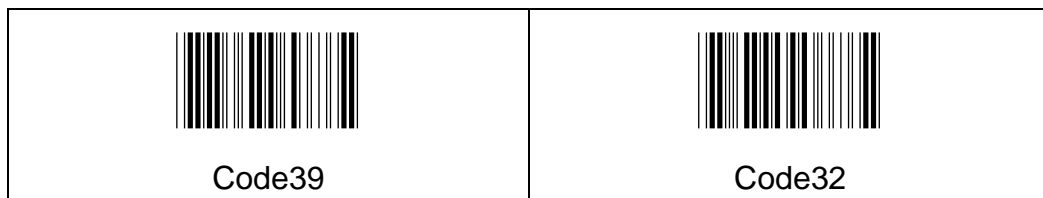
### 7-18-7 Code32 Fmt

Whether to convert the scanning result into Code32 coding



### 7-18-8 Truncate Leading

To set up the number of digits to be omitted from the beginning of the barcode



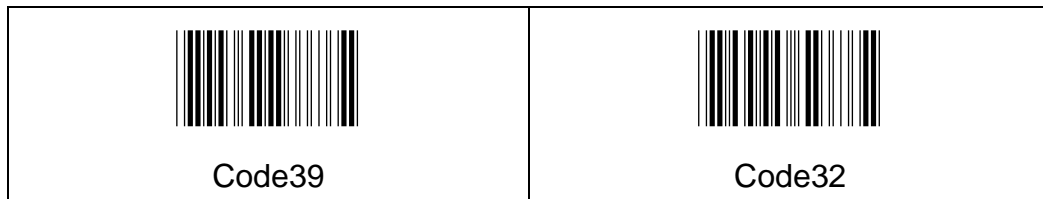
Type	Configuration Range	Default Setting
Code39	0~48	0
Code32	0~48	0

<b>Procedure:</b>
(A) Scan "Enter" barcode (B) Scan "Truncate Leading" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



### 7-18-9 Truncate Ending

To set up the number of digits to be omitted from the end of the barcode



Type	Configuration Range	Default Setting
Code39	0~48	0
Code32	0~48	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Truncate Ending" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 7-18-10 Truncate Zero

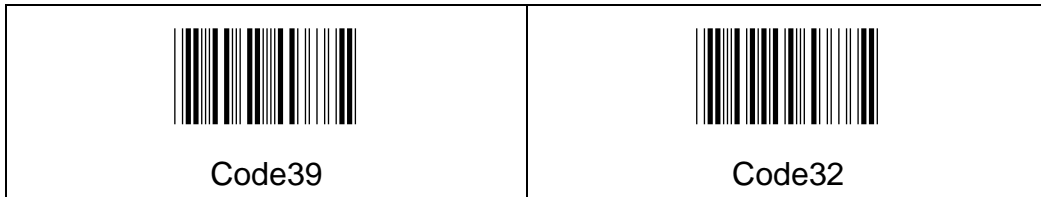
Whether to omit 0 from the beginning of the barcode

Code39	Code32
	
<b>Disable</b>	<b>Disable</b>
	
<b>Enable</b>	<b>Enable</b>



## 7-18-11 Insertion1DataPosition

To set up the position to insert data1



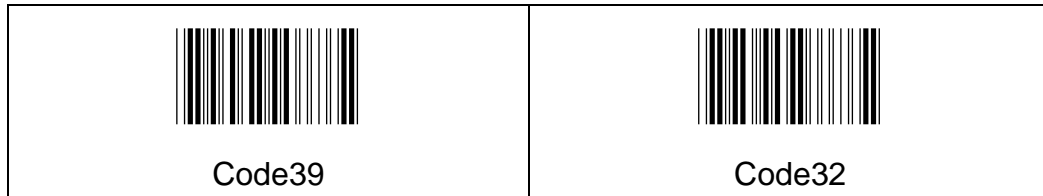
Type	Configuration Range	Default Setting
Code39	0~48	0
Code32	0~48	0

<b>Procedure:</b>
(A) Scan "Enter" barcode (B) Scan "Insertion1DataPosition" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



## 7-18-12 Insertion1Data

To set up data1 to be inserted



Type	Configuration Length	Default Setting
Code39	2	NULL
Code32	2	NULL

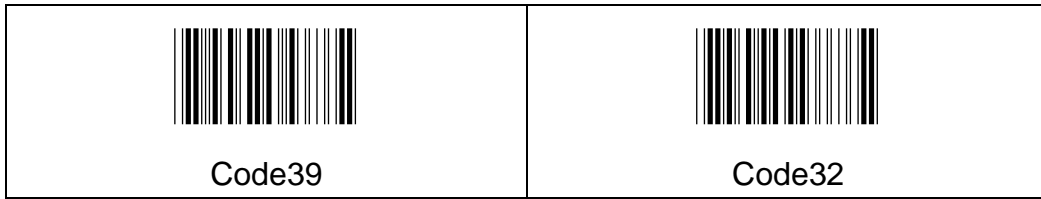
Procedure:
(A) Scan "Enter" barcode (B) Scan "Insertion1Data" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode





### 7-18-13 Insertion2DataPosition

To set up the position to insert data2



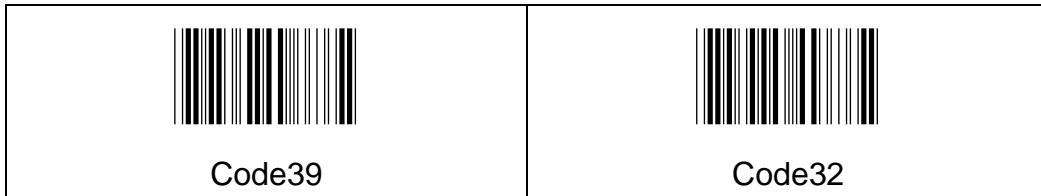
Type	Configuration Range	Default Setting
Code39	0~48	0
Code32	0~48	0

<b>Procedure:</b>
(A) Scan "Enter" barcode (B) Scan "Insertion2DataPosition" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



### 7-18-14 Insertion2Data

To set up data2 to be inserted



Type	Configuration Length	Default Setting
Code39	2	NULL
Code32	2	NULL



<b>Procedure:</b>
(A) Scan "Enter" barcode (B) Scan "Insertion2Data" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



## 7-19 Interleaved2of5




### 7-19-1 Read

Whether the barcode can be scanned

 <b>Disable</b>	 <b>Enable</b>
---	---

### 7-19-2 Chksum Digit

To set up the regulation of check digit, and whether to send the check digit

 <b>Disable</b>	 <b>Validate</b>
 <b>Validate, Transmit</b>	



### 7-19-3 Min Code Length

To set up the minimum length of the barcode, less than this length barcode cannot be scanned.



Configuration Range	Default Setting
2~80	4

Procedure:
(A) Scan "Enter" barcode (B) Scan "Min Code Length" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 7-19-4 Max Code Length

To set up the maximum length of the barcode, longer than this length barcode cannot be scanned.



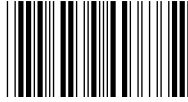
Configuration Range	Default Setting
2~80	80

Procedure:
(A) Scan "Enter" barcode (B) Scan "Max Code Length" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



### 7-19-5 Truncate Leading

To set up the number of digits to be omitted from the beginning of the barcode



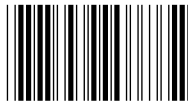
Configuration Range	Default Setting
0~80	0

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Truncate Leading" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode

### 7-19-6 Truncate Ending

To set up the number of digits to be omitted from the end of the barcode



Configuration Range	Default Setting
0~80	0

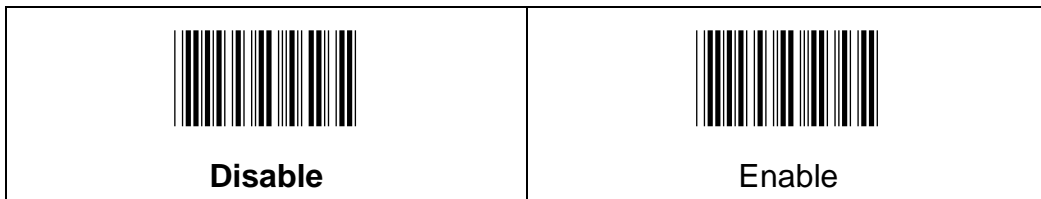
**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Truncate Ending" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



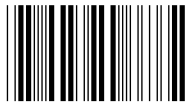
### 7-19-7 Truncate Zero

Whether to omit 0 from the beginning of the barcode



### 7-19-8 Insertion1DataPosition

To set up the position to insert data1



Configuration Range	Default Setting
0~80	0

<b>Procedure:</b>
(A) Scan “Enter” barcode (B) Scan “Insertion1DataPosition” barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan “OK” barcode (E) Scan “End” barcode



### 7-19-9 Insertion1Data

To set up data1 to be inserted



Configuration Length	Default Setting
2	NULL

Procedure:
(A) Scan "Enter" barcode (B) Scan "Insertion1Data" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 7-19-10 Insertion2DataPosition

To set up the position to insert data2



Configuration Range	Default Setting
0~80	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Insertion2DataPosition" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



## 7-19-11 Insertion2Data

To set up the data2 to be inserted



Configuration Length	Default Setting
2	NULL

### Procedure:

- (A) Scan "Enter" barcode
- (B) Scan "Insertion2Data" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode

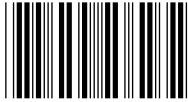





## 7-20 Nec2of5



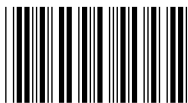
### 7-20-1 Read

Whether the barcode can be scanned

 <b>Disable</b>	 <b>Enable</b>
---	---

### 7-20-2 Chksum Digit

To set up the regulation of check digit, and whether to send the check digit

 <b>Disable</b>	 <b>Validate</b>
 <b>Validate, Transmit</b>	



### 7-20-3 Min Code Length

To set up the minimum length of the barcode, less than this length barcode cannot be scanned

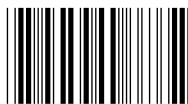


Configuration Range	Default Setting
2~80	4

Procedure:
(A) Scan "Enter" barcode (B) Scan "Min Code Length" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 7-20-4 Max Code Length

To set up maximum length of the barcode, longer than this length barcode cannot be scanned



Configuration Range	Default Setting
2~80	80

Procedure:
(A) Scan "Enter" barcode (B) Scan "Max Code Length" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



### 7-20-5 Truncate Leading

To set up the number of digits to be omitted from the beginning of the barcode

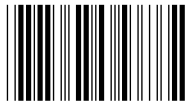


Configuration Range	Default Setting
0~80	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Truncate Leading" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 7-20-6 Truncate Ending

To set up the number of digits to be omitted from the end of the barcode



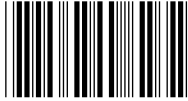

Configuration Range	Default Setting
0~80	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Truncate Ending" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



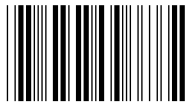
### 7-20-7 Truncate Zero

Whether to omit 0 from the beginning of the barcode

 <b>Disable</b>	 <b>Enable</b>
---	---

### 7-20-8 Insertion1DataPosition

To set up the position to insert data1



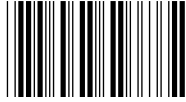
Configuration Range	Default Setting
0~80	0

<b>Procedure:</b>
(A) Scan “Enter” barcode (B) Scan “Insertion1DataPosition” barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan “OK” barcode (E) Scan “End” barcode



### 7-20-9 Insertion1Data

To set up data1 to be inserted



Configuration Length	Default Setting
2	NULL

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Insertion1Data" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode

### 7-20-10 Insertion2DataPosition

To set up the position to insert data2



Configuration Range	Default Setting
0~80	0

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Insertion2DataPosition" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



## 7-20-11 Insertion2Data

To set up data2 to be inserted



Configuration Length	Default Setting
2	NULL

### Procedure:

- (A) Scan "Enter" barcode
- (B) Scan "Insertion2Data" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



## 7-21 Code93

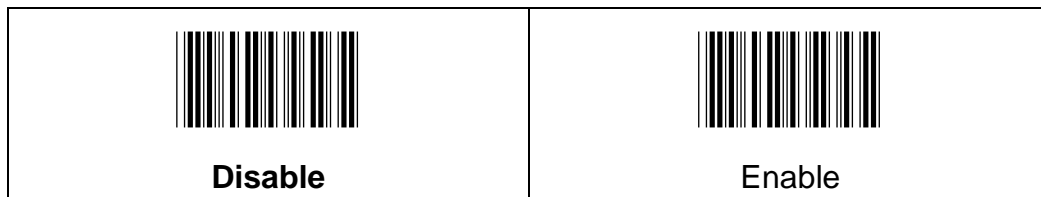
### 7-21-1 Read

Whether the barcode can be scanned



### 7-21-2 Append

To set up whether able to scan multiple related barcodes, and decode them in to a complete Code93 barcode



### 7-21-3 Min Code Length

To set up the minimum length of the barcode, less than this length barcode cannot be scanned



Configuration Range	Default Setting
0~80	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Min Code Length" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 7-21-4 Max Code Length

To set up the maximum length of the barcode, longer than this length barcode cannot be scanned



Configuration Range	Default Setting
0~80	80

Procedure:
(A) Scan "Enter" barcode (B) Scan "Max Code Length" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode





### 7-21-5 Truncate Leading

To set up the number of digits to be omitted from the beginning the barcode

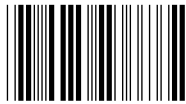


Configuration Range	Default Setting
0~80	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Truncate Leading" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 7-21-6 Truncate Ending

To set up the number of digits to be omitted from the end of the barcode



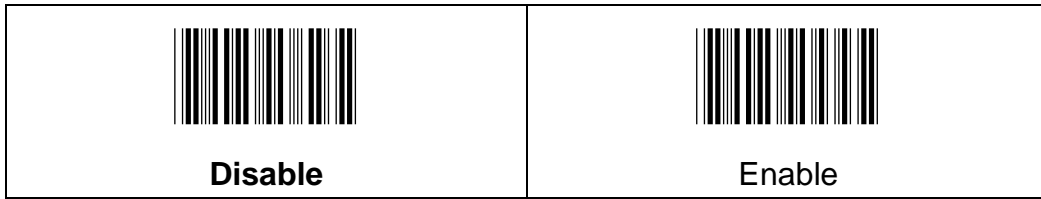
Configuration Range	Default Setting
0~80	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Truncate Ending" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



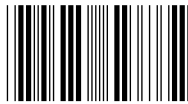
### 7-21-7 Truncate Zero

Whether to omit 0 from the beginning of the barcode



### 7-21-8 Insertion1DataPosition

To set up the position to insert data1



Configuration Range	Default Setting
0~80	0

<b>Procedure:</b>
(A) Scan “Enter” barcode (B) Scan “Insertion1DataPosition” barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan “OK” barcode (E) Scan “End” barcode



### 7-21-9 Insertion1Data

To set up data1 to be insert



Configuration Length	Default Setting
2	NULL

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Insertion1Data" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode

### 7-21-10 Insertion2DataPosition

To set up the position to insert data2



Configuration Range	Default Setting
0~80	0

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Insertion2DataPosition" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



## 7-21-11 Insertion2Data

To set up data2 to be inserted



Configuration Length	Default Setting
2	NULL

### Procedure:


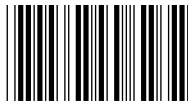
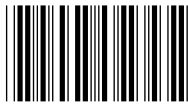

- (A) Scan "Enter" barcode
- (B) Scan "Insertion2Data" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



## 7-22 Straight2of5 (Industrial2of5)

### 7-22-1 Read

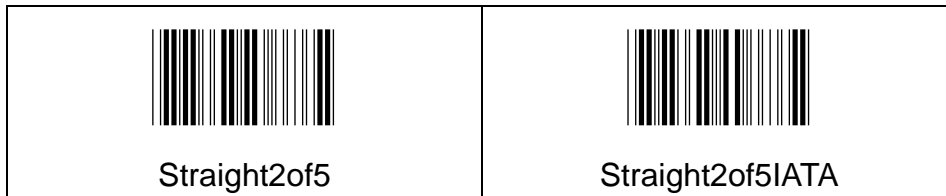
Whether the barcode can be scanned

Straight2of5	Straight2of5IATA
 <p data-bbox="496 674 611 707"><b>Disable</b></p>	 <p data-bbox="976 674 1091 707"><b>Disable</b></p>
 <p data-bbox="501 866 606 900">Enable</p>	 <p data-bbox="983 866 1085 900">Enable</p>



### 7-22-2 Min Code Length

To set up the minimum length of the barcode, less than this length barcode cannot be scanned



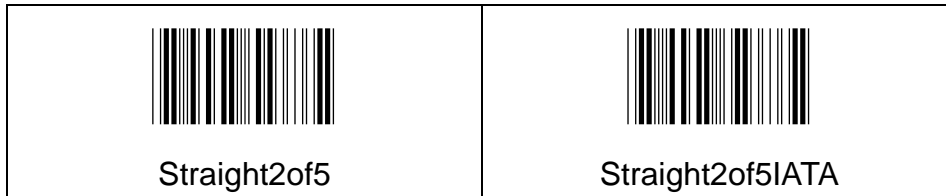
Type	Configuration Range	Default Setting
Straight2of5	1~48	4
Straight2of5IATA	1~48	4

Procedure:
(A) Scan "Enter" barcode (B) Scan "Min Code Length" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



### 7-22-3 Max Code Length

To set up the maximum length of the barcode, longer than this length barcode cannot be scanned



Type	Configuration Range	Default Setting
Straight2of5	1~48	48
Straight2of5IATA	1~48	48

<b>Procedure:</b>
(A) Scan "Enter" barcode (B) Scan "Max Code Length" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



### 7-22-4 Truncate Leading

To set up the number of digits to be omitted from the beginning of the barcode

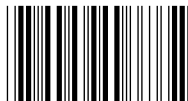


Configuration Range	Default Setting
0~48	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Truncate Leading" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 7-22-5 Truncate Ending

To set up the number of digits to be omitted from the end of the barcode



Configuration Range	Default Setting
0~48	0

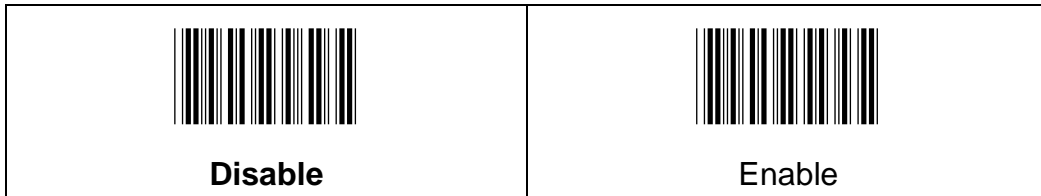
Procedure:
(A) Scan "Enter" barcode (B) Scan "Truncate Ending" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode





### 7-22-6 Truncate Zero

Whether to omit 0 from the beginning of the barcode



### 7-22-7 Insertion1DataPosition

To set up the position to insert data1



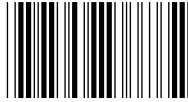
Configuration Range	Default Setting
0~48	0

Procedure:
(A) Scan “Enter” barcode (B) Scan “Insertion1DataPosition” barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan “OK” barcode (E) Scan “End” barcode



### 7-22-8 Insertion1Data

To set up data1 to be inserted



Configuration Length	Default Setting
2	NULL

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Insertion1Data" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode

### 7-22-9 Insertion2DataPosition

To set up the position to insert data2



Configuration Range	Default Setting
0~48	0

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Insertion2DataPosition" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



## 7-22-10 Insertion2Data

To set up data2 to be inserted



Configuration Length	Default Setting
2	NULL

### Procedure:

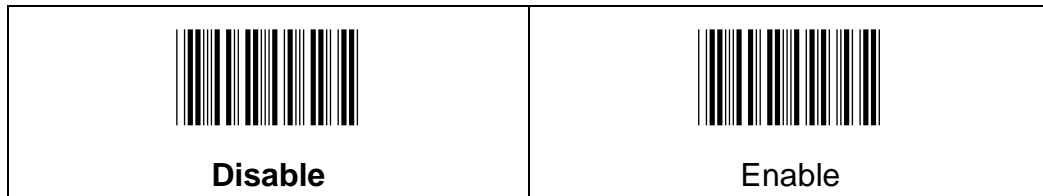
- (A) Scan "Enter" barcode
- (B) Scan "Insertion2Data" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



## 7-23 Matrix2of5

### 7-23-1 Read

Whether the barcode can be scanned



### 7-23-2 Min Code Length

To set up the minimum length of the barcode, less than this length barcode cannot be scanned



Configuration Range	Default Setting
1~80	4

<b>Procedure:</b>
(A) Scan "Enter" barcode (B) Scan "Min Code Length" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



### 7-23-3 Max Code Length

To set up the maximum length of the barcode, longer than this length barcode cannot be scanned



Configuration Range	Default Setting
1~80	80

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Max Code Length" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode

### 7-23-4 Truncate Leading

To set up the number of digits to be omitted from the beginning of the barcode



Configuration Range	Default Setting
0~80	0

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Truncate Leading" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode

### 7-23-5 Truncate Ending

To set up the number of digit to be omitted from the end of the barcode







Configuration Range	Default Setting
0~80	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Truncate Ending" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 7-23-6 Truncate Zero

Whether to omit 0 from the beginning of the barcode

 <b>Disable</b>	 <b>Enable</b>
---	---



### 7-23-7 Insertion1DataPosition

To set up the position to insert data1

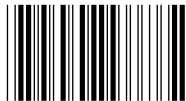


Configuration Range	Default Setting
0~80	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Insertion1DataPosition" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 7-23-8 Insertion1Data

To set up data1 to be inserted



Configuration Length	Default Setting
2	NULL

Procedure:
(A) Scan "Enter" barcode (B) Scan "Insertion1Data" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



### 7-23-9 Insertion2DataPosition

To set up the position to insert data2

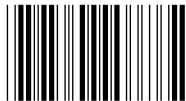


Configuration Range	Default Setting
0~80	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Insertion2DataPosition" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 7-23-10 Insertion2Data

To set up data2 to be inserted



Configuration Length	Default Setting
2	NULL

Procedure:
(A) Scan "Enter" barcode (B) Scan "Insertion2Data" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

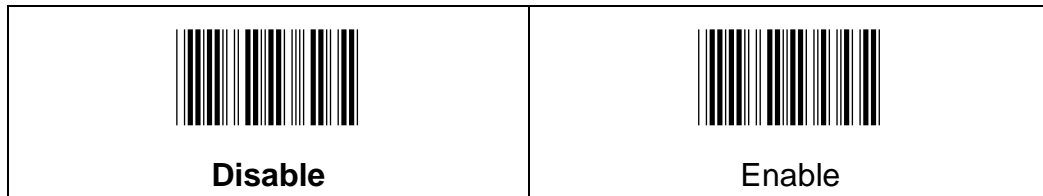




## 7-24 Code11

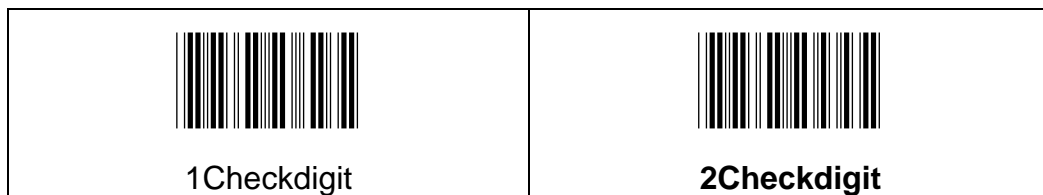
### 7-24-1 Read

Whether the barcode can be scanned



### 7-24-2 Chksum Digit

To choose how many digits to use for the check digit.



### 7-24-3 Min Code Length

To set up the minimum length of the barcode, less than this length barcode cannot be scanned



Configuration Range	Default Setting
1~80	4

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Min Code Length" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode

### 7-24-4 Max Code Length

To set up the maximum length of the barcode, longer than this length barcode cannot be scanned



Configuration Range	Default Setting
1~80	80

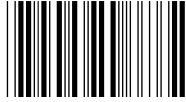
**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Max Code Length" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



### 7-24-5 Truncate Leading

To set up the number of digits to be omitted from the beginning of the barcode

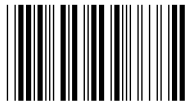


Configuration Range	Default Setting
0~80	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Truncate Leading" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 7-24-6 Truncate Ending

To set up the number of digits to be omitted from the end of the barcode



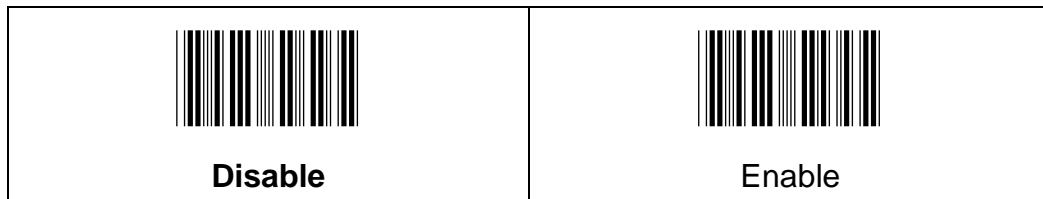
Configuration Range	Default Setting
0~80	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Truncate Ending" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



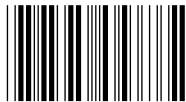
### 7-24-7 Truncate Zero

Whether to omit 0 from the beginning of the barcode



### 7-24-8 Insertion1DataPosition

To set up the position to insert data1



Configuration Range	Default Setting
0~80	0

<b>Procedure:</b>
(A) Scan “Enter” barcode (B) Scan “Insertion1DataPosition” barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan “OK” barcode (E) Scan “End” barcode



### 7-24-9 Insertion1Data

To set up data1 to be inserted



Configuration Length	Default Setting
2	NULL

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Insertion1Data" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode

### 7-24-10 Insertion2DataPosition

To set up the position to insert data2



Configuration Range	Default Setting
0~80	0

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Insertion2DataPosition" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



## 7-24-11 Insertion2Data

To set up data2 to be inserted



Configuration Length	Default Setting
2	NULL

### Procedure:

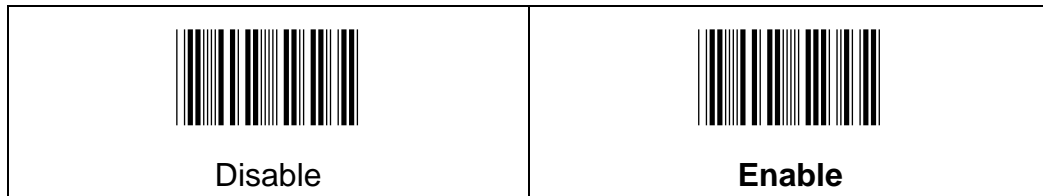
- (A) Scan "Enter" barcode
- (B) Scan "Insertion2Data" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



## 7-25 Code128

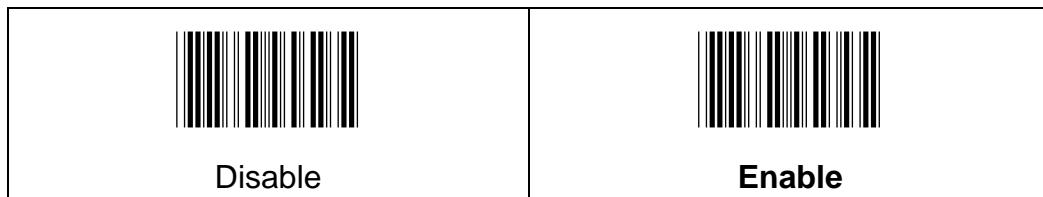
### 7-25-1 Read

Whether the barcode can be scanned



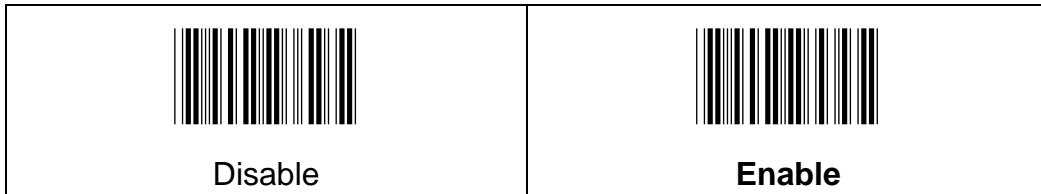
### 7-25-2 Append

To set up whether able to scan multiple related barcodes, and decode them into a complete Code128 barcode



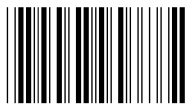
### 7-25-3 ISBT Concatenation

Whether able to read ISBT128 barcode



### 7-25-4 Min Code Length

To set up the minimum length of the barcode, less than this length barcode cannot be scanned



Configuration Range	Default Setting
0~80	0

Procedure:
(A) Scan “Enter” barcode (B) Scan “Min Code Length” barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan “OK” barcode (E) Scan “End” barcode





### 7-25-5 Max Code Length

To set up the maximum length of the barcode, longer than this length barcode cannot be scanned



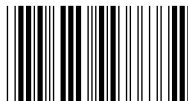
Configuration Range	Default Setting
0~80	80

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Max Code Length" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode

### 7-25-6 Truncate Leading

To set up the number of digits to be omitted from the beginning of the barcode



Configuration Range	Default Setting
0~80	0

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Truncate Leading" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



### 7-25-7 Truncate Ending

To set up the number of digits to be omitted from the end of the barcode





Configuration Range	Default Setting
0~80	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Truncate Ending" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 7-25-8 Truncate Zero

Whether to omit 0 from the beginning of the barcode

 <b>Disable</b>	 <b>Enable</b>
---	---



### 7-25-9 Insertion1DataPosition

To set up the position to insert data1



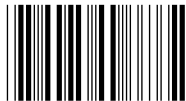
Configuration Range	Default Setting
0~80	0

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Insertion1DataPosition" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode

### 7-25-10 Insertion1Data

To set up data1 to be inserted



Configuration Length	Default Setting
2	NULL

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Insertion1Data" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



### 7-25-11 Insertion2DataPosition

To set up the position to insert data2



Configuration Range	Default Setting
0~80	0

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Insertion2DataPosition" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode

### 7-25-12 Insertion2Data

To set up data2 to be inserted



Configuration Length	Default Setting
2	NULL

**Procedure:**

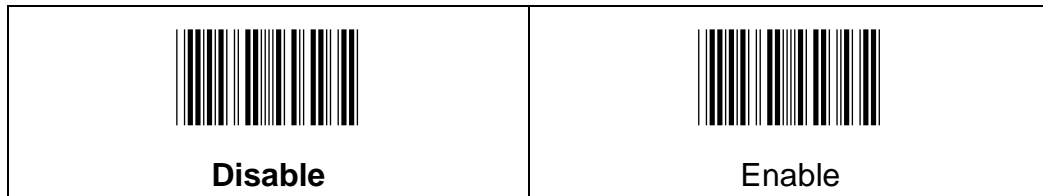
- (A) Scan "Enter" barcode
- (B) Scan "Insertion2Data" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



## 7-26 Gs1-128

### 7-26-1 Read

Whether the barcode can be scanned



### 7-26-2 Min Code Length

To set up the minimum length of the barcode, less than this length barcode cannot be scanned



Configuration Range	Default Setting
0~80	0

<b>Procedure:</b>
(A) Scan "Enter" barcode (B) Scan "Min Code Length" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



### 7-26-3 Max Code Length

To set up the maximum length of the barcode, longer than this length barcode cannot be scanned

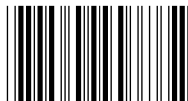


Configuration Range	Default Setting
0~80	80

Procedure:
(A) Scan "Enter" barcode (B) Scan "Max Code Length" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 7-26-4 Truncate Leading

To set up the number of digits to be omitted from the beginning of the barcode



Configuration Range	Default Setting
0~80	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Truncate Leading" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 7-26-5 Truncate Ending

To set up the number of digits to be omitted from the end of the barcode







Configuration Range	Default Setting
0~80	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Truncate Ending" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 7-26-6 Truncate Zero

Whether to omit 0 from the beginning of the barcode

 <b>Disable</b>	 <b>Enable</b>
---	---



### 7-26-7 Insertion1DataPosition

To set up the position to insert data1



Configuration Range	Default Setting
0~80	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Insertion1DataPosition" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 7-26-8 Insertion1Data

To set up data1 to be inserted



Configuration Length	Default Setting
2	NULL

Procedure:
(A) Scan "Enter" barcode (B) Scan "Insertion1Data" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode





### 7-26-9 Insertion2DataPosition

To set up the position to insert data2



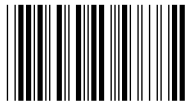
Configuration Range	Default Setting
0~80	0

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Insertion2DataPosition" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode

### 7-26-10 Insertion2Data

To set up data2 to be inserted



Configuration Length	Default Setting
2	NULL

**Procedure:**

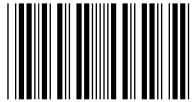

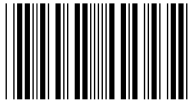


















- (A) Scan "Enter" barcode
- (B) Scan "Insertion2Data" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



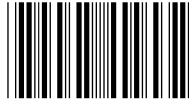
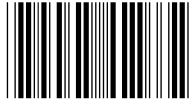
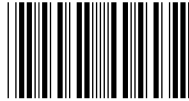







## 7-27 2D Postal

### 7-27-1 Read

To set up the 2D Postal barcode can be scanned

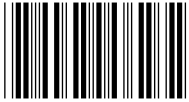
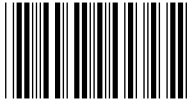
 <b>Off</b>	 AustralianPost	 InfoMail
 JapanesePost	 KIXPost(NetherlandsPost)	 PlanetCode(PLA)
 Postnet(POS)	 BritishPost	 InfoMail/BritishPost
 Postal-4i(POS4)	 IntelligentMail(IM)	 PostnetB/B'Fields
 Planet/Postnet	 Planet/Postal-4i	 Postnet/Postal-4i
 Planet/IM	 Postnet/IM	 Postal-4i/IM
 PLA/POSB/B'F	 POS4/POSB/B'F	 IM/POSB/B'F



 PLA,POS,POS4	 PLA,POS,IM	 PLA,POS4,IM
 POS,POS4,IM	 PLA,POS4,POSB/B'F	 PLA,IM,POSB/B'F
 POS4,IM,POSB/B'F	 PLA,POS4,IM,POS	 PLA,POS4,IM,POSB/B'F
 CanadianPost		

### 7-27-2 Postnet Tx CheckDigit

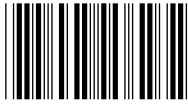
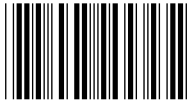
Whether to send the check digit of Postnet barcode

 <b>Disable</b>	 <b>Enable</b>
---	---



### 7-27-3 Planet Tx CheckDigit

Whether to send the check digit of Planet

 <b>Disable</b>	 <b>Enable</b>
---	---

### 7-27-4 Australian Post Interpretation

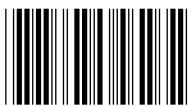
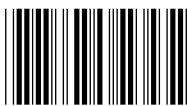
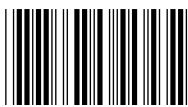
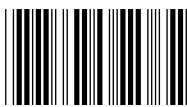
This option controls what interpretation is applied to customer fields in Australian 4-State symbols

**BarOutput:** Bar Output lists the bar patterns in “0123” format

**NumericN:** Numeric N Table causes that field to be interpreted as numeric data using the N Table

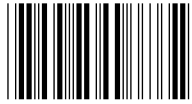
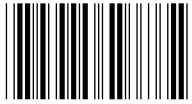
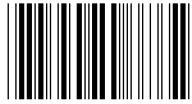
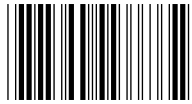
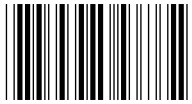
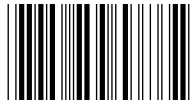
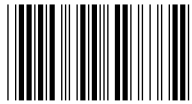

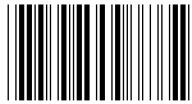
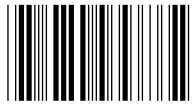
**AlphanumericC:** Alphanumeric C Table causes the field to be interpreted as alphanumeric data using the C Table. Refer to the Australian Post Specification Tables

**CombinationN/C:** Combination C and N Tables causes the field to be interpreted using either the C or N Tables

 <b>BarOutput</b>	 <b>NumericN</b>
 <b>AlphanumericC</b>	 <b>CombinationN/C</b>

### 7-27-5 Truncate Leading

To set up the number of digits to be omitted from the beginning of the barcode

 AustralianPost	 InfoMail	 JapanesePost
 PlanetCode	 Postnet	 BritishPost
 Postal4i	 IntelligentMail	 CanadianPost
 NetherlandsPost		

Type	Configuration Range	Default Setting
AustralianPost	0~80	0
InfoMail	0~80	0
JapanesePost	0~80	0
PlanetCode	0~80	0
Postnet	0~80	0
BritishPost	0~80	0
Postal4i	0~80	0
IntelligentMail	0~80	0
CanadianPost	0~80	0
NetherlandsPost	0~80	0

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Truncate Leading" barcode



- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode

Enter






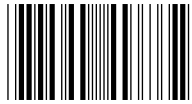

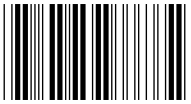


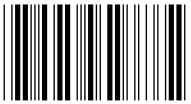
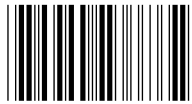
262

End



## 7-27-6 Truncate Ending

To set up the number of digits to be omitted from the end of the barcode

		
AustralianPost	InfoMail	JapanesePost
		
PlanetCode	Postnet	BritishPost
		
Postal4i	IntelligentMail	CanadianPost
		
NetherlandsPost		

Type	Configuration Range	Default Setting
AustralianPost	0~80	0
InfoMail	0~80	0
JapanesePost	0~80	0
PlanetCode	0~80	0
Postnet	0~80	0
BritishPost	0~80	0
Postal4i	0~80	0
IntelligentMail	0~80	0
CanadianPost	0~80	0
NetherlandsPost	0~80	0

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Truncate Ending" barcode



- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode

Enter



264



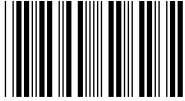
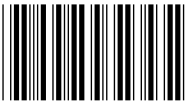
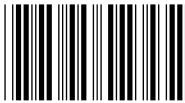
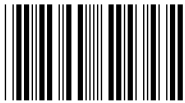


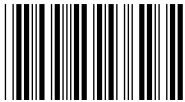
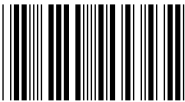


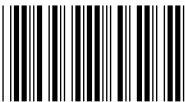


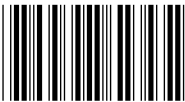


End

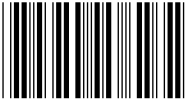





### 7-27-7 Truncate Zero

Whether to omit 0 from the beginning of the barcode

AustralianPost	InfoMail	JapanesePost
 Disable	 Disable	 Disable
 Enable	 Enable	 Enable
PlanetCode	Postnet	BritishPost
 Disable	 Disable	 Disable
 Enable	 Enable	 Enable
Postal4i	IntelligentMail	CanadianPost
 Disable	 Disable	 Disable
 Enable	 Enable	 Enable
NetherlandsPost		

 <b>Disable</b>		
 <b>Enable</b>		

Enter



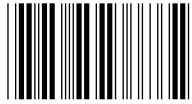

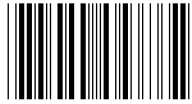
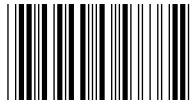
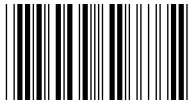
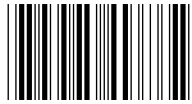


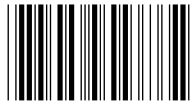
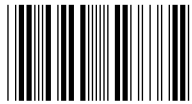
266

End



### 7-27-8 Insertion1DataPosition

To set up the position to insert data1

 AustralianPost	 InfoMail	 JapanesePost
 PlanetCode	 Postnet	 BritishPost
 Postal4i	 IntelligentMail	 CanadianPost
 NetherlandsPost		

Type	Configuration Range	Default Setting
AustralianPost	0~80	0
InfoMail	0~80	0
JapanesePost	0~80	0
PlanetCode	0~80	0
Postnet	0~80	0
BritishPost	0~80	0
Postal4i	0~80	0
IntelligentMail	0~80	0
CanadianPost	0~80	0
NetherlandsPost	0~80	0

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Insertion1DataPosition" barcode



- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode

Enter

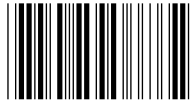

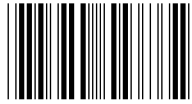
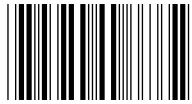

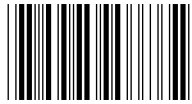


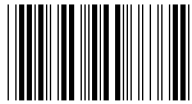
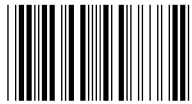


End



### 7-27-9 Insertion1Data

To set up data1 to be inserted

 AustralianPost	 InfoMail	 JapanesePost
 PlanetCode	 Postnet	 BritishPost
 Postal4i	 IntelligentMail	 CanadianPost
 NetherlandsPost		

Type	Configuration Length	Default Setting
AustralianPost	2	NULL
InfoMail	2	NULL
JapanesePost	2	NULL
PlanetCode	2	NULL
Postnet	2	NULL
BritishPost	2	NULL
Postal4i	2	NULL
IntelligentMail	2	NULL
CanadianPost	2	NULL
NetherlandsPost	2	NULL

**Procedure:**

Enter



End



- (A) Scan "Enter" barcode
- (B) Scan "Insertion1Data" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode

Enter













End



## 7-27-10 Insertion2DataPosition

To set up the position to insert data2

 AustralianPost	 InfoMail	 JapanesePost
 PlanetCode	 Postnet	 BritishPost
 Postal4i	 IntelligentMail	 CanadianPost
 NetherlandsPost		

Type	Configuration Range	Default Setting
AustralianPost	0~80	0
InfoMail	0~80	0
JapanesePost	0~80	0
PlanetCode	0~80	0
Postnet	0~80	0
BritishPost	0~80	0
Postal4i	0~80	0
IntelligentMail	0~80	0
CanadianPost	0~80	0
NetherlandsPost	0~80	0

### Procedure:

- (A) Scan "Enter" barcode
- (B) Scan "Insertion2DataPosition" barcode
- (C) Scan parameters from Hexadecimal / Decimal table

Enter



End



- (D) Scan "OK" barcode  
(E) Scan "End" barcode

Enter



272

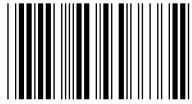



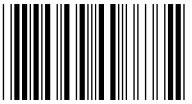
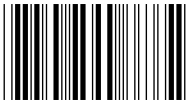
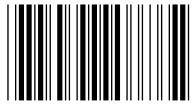

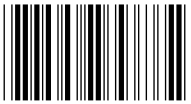
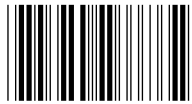
End





## 7-27-11 Insertion2Data

To set up data2 to be inserted

 AustralianPost	 InfoMail	 JapanesePost
 PlanetCode	 Postnet	 BritishPost
 Postal4i	 IntelligentMail	 CanadianPost
 NetherlandsPost		

Type	Configuration Length	Default Setting
AustralianPost	2	NULL
InfoMail	2	NULL
JapanesePost	2	NULL
PlanetCode	2	NULL
Postnet	2	NULL
BritishPost	2	NULL
Postal4i	2	NULL
IntelligentMail	2	NULL
CanadianPost	2	NULL
NetherlandsPost	2	NULL

### Procedure:

- (A) Scan "Enter" barcode
- (B) Scan "Insertion2Data" barcode

Enter



End



- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode

Enter



274

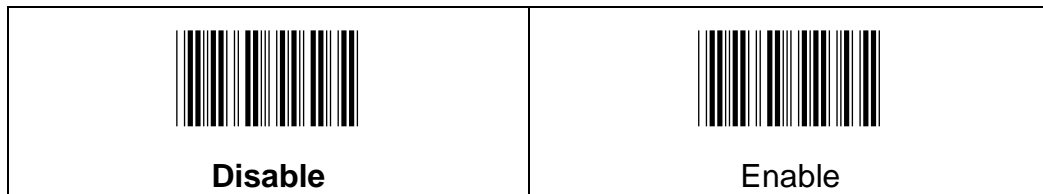
End



## 7-28 China Post (HongKong2of5)

### 7-28-1 Read

Whether the barcode can be scanned



### 7-28-2 Min Code Length

To set up the minimum length of the barcode, less than this length barcode cannot be scanned



Configuration Range	Default Setting
2~80	4

<b>Procedure:</b>
(A) Scan "Enter" barcode (B) Scan "Min Code Length" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



### 7-28-3 Max Code Length

To set up the maximum length of the barcode, longer than this length barcode cannot be scanned

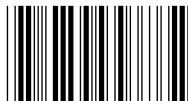


Configuration Range	Default Setting
2~80	80

Procedure:
(A) Scan "Enter" barcode (B) Scan "Max Code Length" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 7-28-4 Truncate Leading

To set up the number of digits to be omitted from the beginning of the barcode



Configuration Range	Default Setting
0~80	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Truncate Leading" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



### 7-28-5 Truncate Ending

To set up the number of digits to be omitted from the end of the barcode





Configuration Range	Default Setting
0~80	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Truncate Ending" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 7-28-6 Truncate Zero

Whether to omit 0 from the beginning of the barcode

 <b>Disable</b>	 <b>Enable</b>
---	---



### 7-28-7 Insertion1DataPosition

To set up the position to insert data1



Configuration Range	Default Setting
0~80	0

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Insertion1DataPosition" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode

### 7-28-8 Insertion1Data

To set up data1 to be inserted



Configuration Length	Default Setting
2	NULL

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Insertion1Data" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



### 7-28-9 Insertion2DataPosition

To set up the position to insert data2



Configuration Range	Default Setting
0~80	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Insertion2DataPosition" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 7-28-10 Insertion2Data

To set up data2 to be inserted



Configuration Length	Default Setting
2	NULL


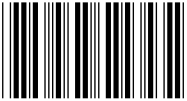
Procedure:
(A) Scan "Enter" barcode (B) Scan "Insertion2Data" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



## 7-29 Korea Post



### 7-29-1 Read

Whether the barcode can be scanned

 <b>Disable</b>	 <b>Enable</b>
---	---

### 7-29-2 Tx Checkdigit

Whether to send check digit

 <b>Disable</b>	 <b>Enable</b>
--	--





### 7-29-3 Min Code Length

To set up the minimum length of the barcode, less than this length barcode cannot be scanned



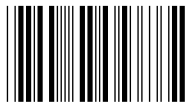
Configuration Range	Default Setting
2~80	4

#### Procedure:

- (A) Scan "Enter" barcode
- (B) Scan "Min Code Length" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode

### 7-29-4 Max Code Length

To set up the maximum length of the barcode, longer than this length barcode cannot be scanned



Configuration Range	Default Setting
2~80	48

#### Procedure:

- (A) Scan "Enter" barcode
- (B) Scan "Max Code Length" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode

### 7-29-5 Truncate Leading

To set up the number of digits to be omitted from the beginning of the barcode





Configuration Range	Default Setting
0~80	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Truncate Leading" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 7-29-6 Truncate Ending

To set up the number of digits to be omitted from the end of the barcode



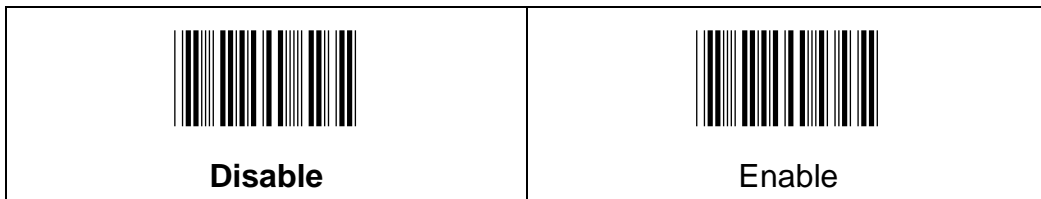
Configuration Range	Default Setting
0~80	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Truncate Ending" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



### 7-29-7 Truncate Zero

Whether to omit 0 from the beginning of the barcode



### 7-29-8 Insertion1DataPosition

To set up the position to insert data1



Configuration Range	Default Setting
0~80	0

<b>Procedure:</b>
(A) Scan “Enter” barcode (B) Scan “Insertion1DataPosition” barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan “OK” barcode (E) Scan “End” barcode



### 7-29-9 Insertion1Data

To set up data1 to be inserted



Configuration Length	Default Setting
2	NULL

**Procedure:**

- (A) Scan “Enter” barcode
- (B) Scan “Insertion1Data” barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan “OK” barcode
- (E) Scan “End” barcode

### 7-29-10 Insertion2DataPosition

To set up the position to insert data2



Configuration Range	Default Setting
0~80	0

**Procedure:**

- (A) Scan “Enter” barcode
- (B) Scan “Insertion2DataPosition” barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan “OK” barcode
- (E) Scan “End” barcode



## 7-29-11 Insertion2Data

To set up data2 to be inserted



Configuration Length	Default Setting
2	NULL

### Procedure:

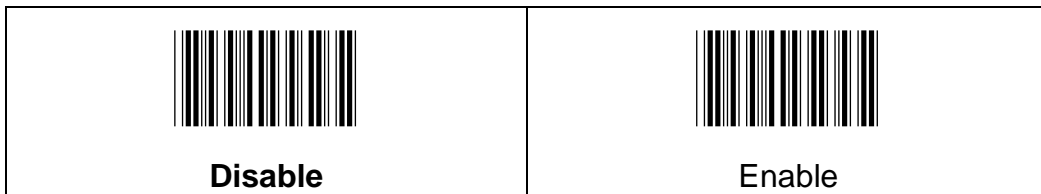
- (A) Scan "Enter" barcode
- (B) Scan "Insertion2Data" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



## 7-30 Telepen

### 7-30-1 Read

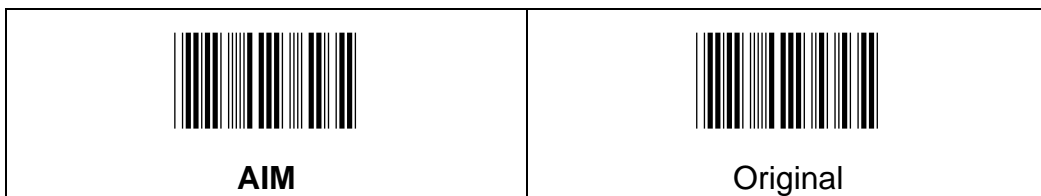
Whether the barcode can be scanned



### 7-30-2 Output

**AIM:** Using AIM Telepen output, the scanner reads symbol with start/stop pattern 1 and decodes them as standard full ASCII(start/stop pattern 1).

**Original:** When Original Telepen Output is selected, the scanner reads symbols with start/stop pattern 1 and decodes them as compressed numeric with optional full ASCII (start/stop pattern 2)



### 7-30-3 Min Code Length

To set up the minimum length of the barcode, less than this length barcode cannot be scanned



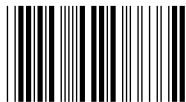
Configuration Range	Default Setting
1~60	1

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Min Code Length" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode

### 7-30-4 Max Code Length

To set up the maximum length of the barcode, longer than this length barcode cannot be scanned



Configuration Range	Default Setting
1~60	60

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Max Code Length" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



### 7-30-5 Truncate Leading

To set up the number of digits to be omitted from the beginning of the barcode



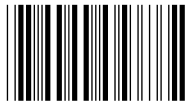
Configuration Range	Default Setting
0~60	0

**Procedure:**

- (A) Scan "Enter" barcode
- (B) Scan "Truncate Leading" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode

### 7-30-6 Truncate Ending

To set up the number of digits to be omitted from the end of the barcode



Configuration Range	Default Setting
0~60	0

**Procedure:**

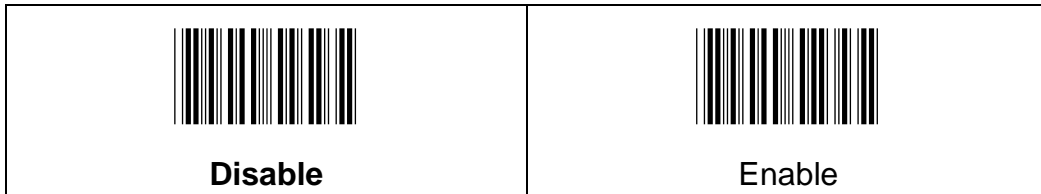
- (A) Scan "Enter" barcode
- (B) Scan "Truncate Ending" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode





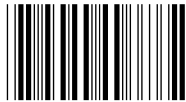
### 7-30-7 Truncate Zero

Whether to omit 0 from the beginning of the barcode



### 7-30-8 Insertion1DataPosition

To set up the position to insert data1



Configuration Range	Default Setting
0~60	0

<b>Procedure:</b>
(A) Scan “Enter” barcode (B) Scan “Insertion1DataPosition” barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan “OK” barcode (E) Scan “End” barcode



### 7-30-9 Insertion1Data

To set up data1 to be inserted



Configuration Length	Default Setting
2	NULL

Procedure:
(A) Scan "Enter" barcode (B) Scan "Insertion1Data" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode

### 7-30-10 Insertion2DataPosition

To set up the position to insert data2



Configuration Range	Default Setting
0~60	0

Procedure:
(A) Scan "Enter" barcode (B) Scan "Insertion2DataPosition" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



## 7-30-11 Insertion2Data

To set up data2 to be inserted



Configuration Length	Default Setting
2	NULL

### Procedure:



- (A) Scan "Enter" barcode
- (B) Scan "Insertion2Data" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



## 7-31 Gs1AppID or GS1FNC1

### 7-31-1 AppIDSw

Whether to separate AppID by a symbol for GS1 barcode.

 <b>Disable</b>	 <b>Enable</b>
---	---

### 7-31-2 AppIDConChar

To set the symbol which is to separate AppID.



Configuration Length	Default Setting
1	(

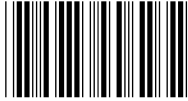

#### Procedure:

- (A) Scan "Enter" barcode
- (B) Scan "AppIDConChar" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode



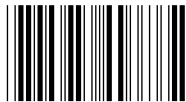
### 7-31-3 FNC1Sw

Whether to display the content of FNC1.

 <b>Disable</b>	 <b>Enable</b>
---	---

### 7-31-4 FNC1Char

To set the content of FNC1.



Configuration Length	Default Setting
1	<GS>(0x1D)

<b>Procedure:</b>
(A) Scan “Enter” barcode (B) Scan “FNC1Char” barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan “OK” barcode (E) Scan “End” barcode



## 7-32 BarcodeID

### 7-32-1 BarcodeID Default

Type	Configuration Length	Default Setting
UPCA	2	c
UPCE	2	E
EAN13	2	d
EAN8	2	D
Msi	2	g
Gs1DataBar	2	y
Gs1DataBarLimited	2	{
Gs1DataBarExpanded	2	}
CodablockA	2	V
CodablockF	2	q
Pdf417	2	r
MicroPdf417	2	R
Tlc39	2	T
QRCode	2	s
DataMatrix	2	w
MaxiCode	2	x
AztecCode	2	z
ChineseSensible(HanXinCode)	2	H
Codabar	2	a
Code39	2	b
Code32	2	<
Interleaved2of5	2	e
Nec2of5	2	Y
Code93	2	i
Straight2of5	2	f
Matrix2of5	2	m
Code11	2	h
Code128	2	j
Gs1128	2	l
AustralianPost	2	A


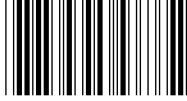



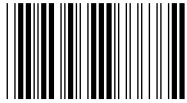

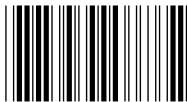
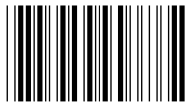

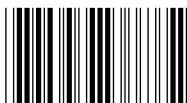


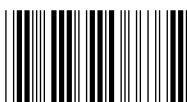





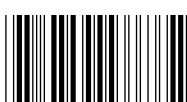



InfoMail	2	,
JapanesePost	2	J
KIXPost(NetherlandsPost)	2	K
PlanetCode	2	L
Postnet	2	P
BritishPost	2	B
Postal4i	2	N
IntelligentMail	2	M
CanadianPost	2	C
ChinaPost2of5	2	Q
KoreaPost	2	?
Telepen	2	t




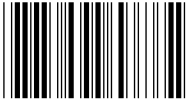

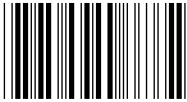
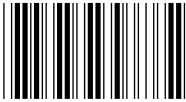
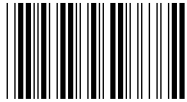





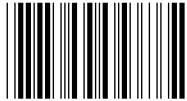

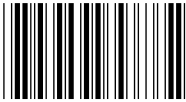





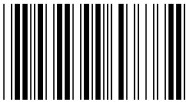

### 7-32-2 Barcode ID Setting

This page is for setting Barcode ID. When "Tx Codeld" is set as "Enable", the barcode ID will be indicated according to the setting position by "Code Position"

 UPCA	 UPCE	 EAN13
 EAN8	 Msi	 Gs1DataBar
 Gs1DataBarLimited	 Gs1DataBarExpanded	 CodablockA
 CodablockF	 Pdf417	 MicroPdf417
 Tlc39	 QRCode	 DataMatrix
 MaxiCode	 AztecCode	 ChineseSensible(HanXinCode)
 Codabar	 Code39	 Code32



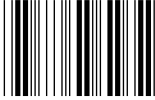















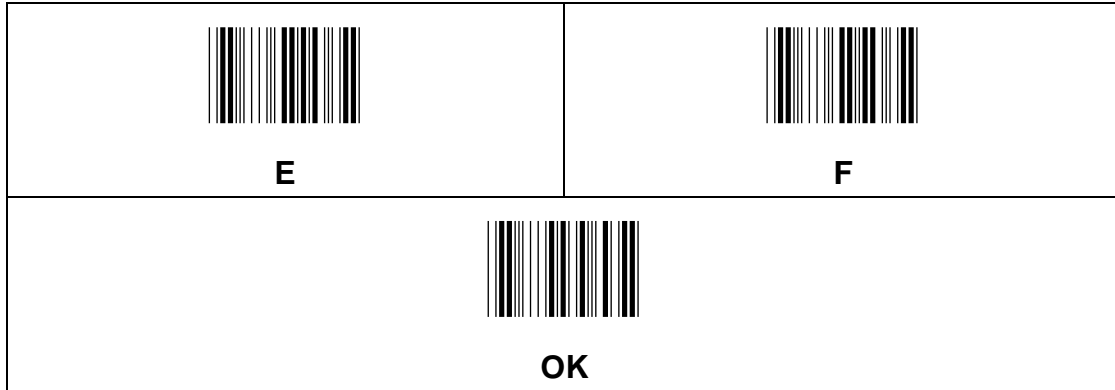
 Interleaved2of5	 Nec2of5	 Code93
 Straight2of5	 Matrix2of5	 Code11
 Code128	 Gs1128	 AustralianPost
 InfoMail	 JapanesePost	 KIXPost(NetherlandsPost)
 PlanetCode	 Postnet	 BritishPost
 Postal4i	 IntelligentMail	 CanadianPost
 ChinaPost2of5	 KoreaPost	 Telepen



# Appendix A: Hexadecimal / Decimal Table

---

 <b>0</b>	 <b>1</b>
 <b>2</b>	 <b>3</b>
 <b>4</b>	 <b>5</b>
 <b>6</b>	 <b>7</b>
 <b>8</b>	 <b>9</b>
 <b>A</b>	 <b>B</b>
 <b>C</b>	 <b>D</b>



## Appendix B: ASCII Code Table

L <sup>H</sup>	2	3	4	5	6	7
0	SP	0	@	P	`	p
1	!	1	A	Q	a	q
2	“	2	B	R	b	r
3	#	3	C	S	c	s
4	\$	4	D	T	d	t
5	%	5	E	U	e	u
6	&	6	F	V	f	v
7	‘	7	G	W	g	w
8	(	8	H	X	h	x
9	)	9	I	Y	i	y
A	*	:	J	Z	j	z
B	+	;	K	[	k	{
C	,	<	L	\	l	
D	-	=	M	]	m	}
E	.	>	N	^	n	~
F	/	?	O	_	o	DEL

L <sup>H</sup>	0 (*)	1 (*)	0	1
0	Null		NUL	DLE
1	Up	F1	SOH	DC1
2	Down	F2	STX	DC2
3	Left	F3	ETX	DC3
4	Right	F4	EOT	DC4
5	PgUp	F5	ENQ	NAK
6	PgDn	F6	ACK	SYN
7		F7	BEL	ETB
8	Bs	F8	BS	CAN
9	Tab	F9	HT	EM
A		F10	LF	SUM
B	Home	Esc	VT	ESC
C	End	F11	FF	FS
D	Enter	F12	CR	GS
E	Insert	Ctrl+	SO	RS
F	Delete	Alt+	SI	US

(\*) For keyboard wedge only.

# Appendix C: A-306 Dongle Setting

---

## 1 System

### 1-1 Version

Show Dongle Version



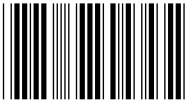
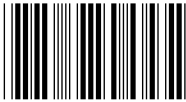

Procedure:
(1) Scan "Enter" Barcode
(2) Scan "Version" barcode



## 2 HID mode

### 2-1 Caps Lock

Caps lock setting for the barcode data display.


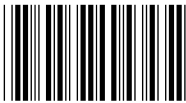
 <b>LowerCase</b>	 UpperCase
 Alt+	

Example Barcode data "ABCdef"

Status Selection	Caps Lock <b>On</b>	Caps Lock <b>Off</b>
UpperCase	ABCdef	abcDEF
LowerCase	abcDEF	ABCdef
Alt+Keypad	ABCdef	ABCdef

### 2-2 Num Lock



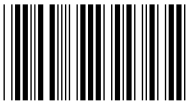
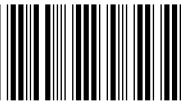








The settings of the numeric keypad, the keypad must be selected if the application program only accepts numeric keypad. (The right hand side of the numeric keys on the keyboard, and “ Num Lock” control key must be on.)

 <b>AlphaPad</b>	 NumPad
--	--



## 2-3 Hid Keyboard Layout

The function enables the user to specify HID keyboard language.

HID Keyboard Layout setting	
 <b>EN</b>	 <b>SP</b>
 <b>UK</b>	 <b>PO</b>
 <b>JP</b>	 <b>SK</b>
 <b>FR</b>	 <b>KO</b>
 <b>GR</b>	 <b>TR</b>
 <b>IT</b>	 <b>SF</b>

Enter



End



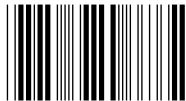
## 2-4 Output language

To set up the target barcode encoding

 <b>US</b>	 <b>Gb2312</b>
 <b>Big5</b>	 <b>Sjis</b>

## 2-5 Transmission Char Delay

After setting the number of characters sent into the Delay time



Configuration Range	Default Setting
0 ~ 255	0

### Procedure

- (A) Scan "Enter" barcode
- (B) Scan "Transmission Char Delay" barcode
- (C) Scan parameters from Hexadecimal / Decimal table
- (D) Scan "OK" barcode
- (E) Scan "End" barcode





## 2-6 Transmission Char Gap Time

To set up the length of Delay time between character



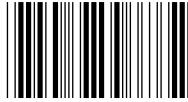
Configuration Range	Unit	Default Setting
0 ~ 255 ms	1 ms	0 ms

Procedure:	Example:
(A) Scan "Enter" barcode (B) Scan "Transmission Char Gap Time" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode	If configuration is 2 ms, the parameter value is $2 \text{ ms} / 1 \text{ ms} = 2$



## 2-7 Transmission Record Gap Time

This function can set Delay Time between 2 records.



Configuration Range	Unit	Default Setting
0~2550 ms	10 ms	0 ms

Procedure:	Example:
(A) Scan "Enter" barcode (B) Scan "Transmission Record Gap Time" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode	If configuration is 200 ms, the parameter value is $200 \text{ ms} / 10 \text{ ms} = 20$



### 3 USB COM mode

#### 3-1 Transmission Char Delay

After setting the number of characters sent into the Delay time



Configuration Range	Default Setting
0 ~ 255	0

Procedure
(A) Scan "Enter" barcode (B) Scan "Transmission Char Delay" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode



### 3-2 Transmission Char Gap Time

To set up the length of Delay time between character



Configuration Range	Unit	Default Setting
0 ~ 255 ms	1 ms	0 ms

Procedure:	Example:
(A) Scan "Enter" barcode (B) Scan "Transmission Char Gap Time" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode	If configuration is 2 ms, the parameter value is $2 \text{ ms} / 1 \text{ ms} = 2$



### 3-3 Transmission Record Gap Time

This function can set Delay Time between 2 records.




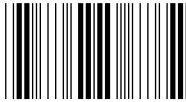
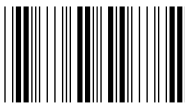
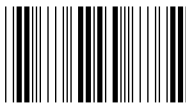
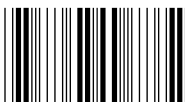
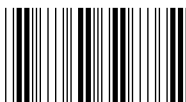
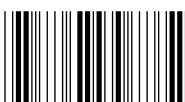
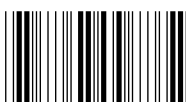


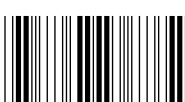



Configuration Range	Unit	Default Setting
0~2550 ms	10 ms	0 ms

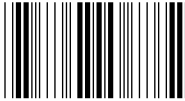

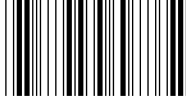
Procedure:	Example:
(A) Scan "Enter" barcode (B) Scan "Transmission Record Gap Time" barcode (C) Scan parameters from Hexadecimal / Decimal table (D) Scan "OK" barcode (E) Scan "End" barcode	If configuration is 200 ms, the parameter value is $200 \text{ ms} / 10 \text{ ms} = 20$



## 4 Dongle Hexadecimal / Decimal table

 <b>0</b>	 <b>1</b>
 <b>2</b>	 <b>3</b>
 <b>4</b>	 <b>5</b>
 <b>6</b>	 <b>7</b>
 <b>8</b>	 <b>9</b>
 <b>A</b>	 <b>B</b>
 <b>C</b>	 <b>D</b>



 <b>E</b>	 <b>F</b>
 <b>OK</b>	

Enter



311

End



## 5 Other Dongle Setting

### 5-1 Get Dongle Mac Address

\*Receiving scan data by different interface \*

1. Use Word, Excel to receive scan data if interface is HID
2. Plug in the dongle into PC USB port, and then insert the clip to dongle [reset] (below photo) to get the 12 digits BLE Mac address.
3. Use "Terminal" to receive scan data if interface is USB COM
4. Plug in the dongle into PC USB port, make sure the number of Connecting COM port by Device Manager, open the "Terminal" to connect this connect COM Port.
5. Clip the dongle [reset] (below photo) to get the 12 digits BLE Mac address.



BLE Mac: 1A15D981C8F4

★**Note:** Please control the time within 0.5 seconds when clip the [reset] hole, or it will back to Factory default and influence the scanner original setting.

Enter



312

End





## 5-2 Set Master Scanner Mac Address

Mac address configuration, total of 12 digits, Please refer to the HEX ASCII table (From 0~9, A~F).

Configuration	Max. Configurable Length	Default Setting
Hexadecimal / decimal barcode table	12 digits	000000000000

### Procedure:

(1) Enter: (Enter setting)



(2) Master Scanner Address



(3) Scan Dongle Hexadecimal / Decimal table for input parameters.

(4) OK : (Selection confirmed)



(5) End: (Exit setting)



### Example:

#### Set Remote Mac Address to 96A3F11A70DA

- A. Scan "Enter" barcode
- B. Scan "Master Scanner Address" barcode
- C. Scan parameters from Hexadecimal / decimal barcode table => "9", "6", "A", "3", "F", "1", "1", "A", "7", "0", "D", "A" → "OK" (Set "Master Scanner Address" value to **96A3F11A70DA**)
- D. Scan "End" barcode

S

