

SC402 & SC505

2D Barcode Scanner Programing Manual

V1.8

CONTENTS

| | |
|--|----|
| Chapter I Product Introduction | 4 |
| Chapter II Quick to use | 4 |
| 2.1 Install method | 4 |
| 2.2 Quick to use | 4 |
| 2.3 Settings method | 4 |
| Chapter III Function settings | 5 |
| 3.1 Basic Settings | 5 |
| 3.2 Interface selection | 5 |
| 3.3 Scan mode | 6 |
| 3.4 Sensitivity | 6 |
| 3.5 Keyboard function | 6 |
| 3.5.1 Language settings | 6 |
| 3.5.2 Caps lock Function | 7 |
| 3.5.3 Number lock Function | 7 |
| 3.5.4 Character prompt | 8 |
| 3.5.5 Character delay | 8 |
| 3.5.6 Alt Emulate keyboard | 8 |
| 3.5.7 Shift Function | 8 |
| 3.6 Serial Port function | 9 |
| 3.6.1 Baud rate | 9 |
| 3.6.2 Parity | 9 |
| 3.6.3 Stop bits | 9 |
| 3.6.4 Data bits | 10 |
| 3.6.5 Control flow | 10 |
| 3.7 Data Edit | 10 |
| 3.7.1 Prefix and Suffix settings | 10 |
| 3.7.2 Data Intercept Settings | 11 |
| 3.7.3 0D & 0A Convert | 11 |
| 3.7.4 Convert Case | 12 |
| 3.7.5 AIM Function | 12 |
| 3.8 Sound Settings | 12 |
| 3.8.1 Decode indicate | 12 |
| 3.8.2 Decode Indicate type | 13 |
| 3.9 Advance function settings | 13 |
| 3.9.1 Illumination | 13 |
| 3.9.2 Sharp Focusing | 13 |
| 3.9.3 Scan Delay Function | 13 |
| 3.9.4 Scan same barcode delay function | 14 |
| 3.9.5 Anti-color code read | 14 |
| Chapter IV Barcode function settings | 14 |

| | |
|--|----|
| 4.1 Code 128..... | 14 |
| 4.2 EAN8..... | 14 |
| 4.3 EAN13..... | 15 |
| 4.4 UPC-E..... | 16 |
| 4.5 UPC-A..... | 17 |
| 4.6 Interleaved 25..... | 18 |
| 4.7 MATRIX 25..... | 18 |
| 4.8 CODE 39..... | 19 |
| 4.9 CODE 32..... | 19 |
| 4.10 CODABAR..... | 20 |
| 4.11 CODE 93..... | 20 |
| 4.12 RSS..... | 21 |
| 4.13 Industrial 25..... | 21 |
| 4.14 Standard 25..... | 21 |
| 4.15 Plessey..... | 22 |
| 4.16 MSI..... | 22 |
| 4.17 QR..... | 23 |
| 4.18 PDF 417..... | 23 |
| 4.19 DM..... | 24 |
| Appendix I Factory Defaults Table..... | 24 |
| Appendix II Code ID Table..... | 25 |
| Appendix III ASCII Table..... | 27 |
| Appendix IV Set parameter table..... | 30 |

I. Product Introduction

This user guide is only suitable for 2D barcode scanner. The purpose is to know all knowledge with barcode identification equipment for customers. This manual is mainly for the software engineers and some customers who want to know the device in further.

This manual lists the main function of the scanner, including: barcode reading, supported barcode type, data edition, command setting and advance setting.

II Quick to use

2.1 Install method

For USB device, it is plug and play, no need extra power supply to identify HID device. That's convenient appropriate for Windows, Linux, Android and other system. Also, support Virtual COM port, just need an extra drive supply, which can be supported by this company or dealers to offer. The physical serial port conforms to standard RS-232 interfaces, which can directly communicate with standard RS232 device. Note ,in case of serial port, additional Power DC 5V is generally required. For details, please refer to the serial port function section. Some of models support for KB interface. Need to power off the device and plug in the device with common keyboard, then power on again and start to communicate.

2.2 Quick to use

After connecting in a short time on device, the scanner will be on by itself, include interface, power on indicate, volume indicate, configuration, parameters setting. Normally, directly pressing the button can activate decoding. In additional, some models also support automation induction trigger, serial command trigger.

2.3 Settings method

There are two methods for set up.

One method is without parameter set up which scan one barcode is ok.
Example: “enable successful reading voice prompt”, or “enable Code 39”.

The other method needs to set up parameter.

Example: set "98" as suffix.

Setting steps: "custom suffix", "3", "9", "3", "8", "Save".

III Function settings

3.1 Basic Settings

The basic settings include default, 1D and 2D all codes set up, etc.



Default



Enable All Codes



Disable All Codes



Enable All 1D Codes



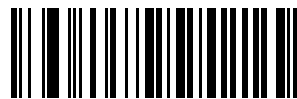
Disable All 1D Codes



Enable All 2D Codes



Disable All 2D Codes



Version Information

3.2 Interface selection



UTF8 KBW



RS232

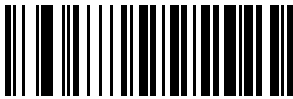


USB-KB



USB Virtual COM

3.3 Scan mode



Manual



Sense

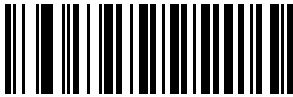


Continuous

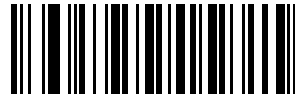


Single Continuous

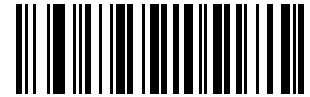
3.4 Sensitivity



Low



Medium



High

3.5 Keyboard function

The scanner is essentially an input device and can be understood as a keyboard device. Different countries use different keyboard layouts, and corresponding keyboard function.

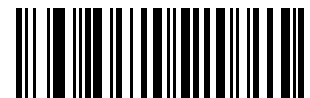
3.5.1 Language settings



USA



Japan



Brazil



Czech



Denmark



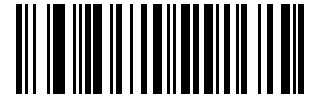
Sweden



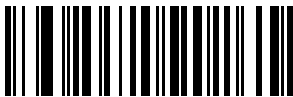
France



Italy



Norway



Spain



Slovakia



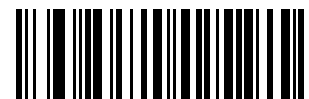
Turkey



UK



Germany



Greece



Hungary



Russia



ALT

3.5.2 Caps lock Function

This function can lock “Caps lock” function key, and keep the letter format without change.



Off



On

3.5.3 Number lock Function

This function can move the numeric keypad in the letter area to the keypad area and enter the numeric keypad with keypad.



Off



On

3.5.4 Character prompt

For non-visual characters, you can set the prompt tone, indicating that there are non-printable characters in the data.



Enable



Disable

3.5.5 Character delay

For some systems with slower processing speed, can set character delay.



Not Delay



Short Delay(20ms)



Long Delay(40ms)

3.5.6 Alt Emulate keyboard

This feature can simulate the ASCII mode of sending keyboard data, without the keyboard layout affection.



ALT Mode OFF



ALT Mode ON

Alt Mode Enter Status



0D->Enter



0D->ALT+13

3.5.7 Shift Function



Shift Lock Off



Shift Lock On

3.6 Serial Port function

The serial port supports the standard RS-232 interface and TTL-232 standard. The virtual serial port function is not affected by this section.

3.6.1 Baud rate



1200 bps



2400 bps



4800 bps



9600 bps



19200 bps



38400 bps



57600 bps



15200 bps

3.6.2 Parity



None



Even



Odd

3.6.3 Stop bits



1 Bit



2 Bit

3.6.4 Data bits



7 Bit



8 Bit

3.6.5 Control flow



Off



On

3.7 Data Edit

3.7.1 Prefix and Suffix settings

Prefix and suffix are the basic data edit function , including terminal characters setting are also included in this section.

Example: set “a” as prefix.

Step: “Enable custom prefix”, “set custom prefix”, “6”, “1”, “Save”.



Disable Custom Prefix



Enable Custom Prefix



Set Custom Prefix



Disable Custom Suffix



Enable Custom Suffix



Set Custom Suffix



Terminating Character 0x0D

Terminating Character 0x0D 0x0A

3.7.2 Data Intercept setting

Data intercept setting is according to the user demand of transmit characters after decoding information, which can set up cut out, bite off function, etc.

Example: set QR code 123456



First method:

Enable "Intercept On", Enable "Forward Direction" (from left to right), Enable "Start position", Set "1" Save.
Enable "Intercept Length", Set"6" Save.

Second method:

Enable "Intercept On", Enable "Reverse Direction", Enable "Start position", Set "3" Save.
Enable "Intercept Length", Set"6" Save.



Intercept On



Intercept Off



Forward Direction



Reverse Direction



Start Position



Intercept Length

3.7.3 0D &0A Convert



Not Convert



0D 0A Convert 0A



0D 0A Convert 0D 0D



Not Convert



0D 0A Convert 0A



0D 0A Convert 0D 0D

0D 0A Convert 0A 0A

0D 0A Ignore

0D0A Convert TAB (0X09)

3.7.4 Convert Case



Not Convert



All to Convert Upper Case



All To Convert Lower Case

3.7.5 AIM Function



AIM Disable



AIM Enable

3.8 Sound Settings

Starting-up indicator



Off



On

3.8.1 Decode indicator



Off



On



High



Medium



Low

3.8.2 Decode Indicate type



Type1



Type2



Type3

3.9 Advance function settings

3.9.1 Illumination



Always On



Flashing



Off

3.9.2 Aiming



Always On



Flashing



Off

3.9.3 Scan Delay Function



Delay one time



Parameter Setting



Delay Off



Delay on

3.9.4 Same barcode decode delay function



Off



On



Parameter Setting

3.9.5 Anti-color code read



Only Read Black Code



Only Read Anti-color Code



Read Black And Anti-color Code Both

IV Barcode function settings

4.1 Code 128



Disable EAN128



Enable EAN128



Disable Code128



Enable Code128



Set The Minimum Length



Set The Maximum Length

4.2 EAN-8



Disable EAN-8



Enable EAN-8



Not Transmit Check Digit



Transmit Check Digit



Not Convert EAN-8 To EAN-13



Convert EAN-8 To EAN-13



Disable 2-Digit Add-On Code



Enable 2-Digit Add-On Code



Disable 5-Digit Add-On Code



Enable 5-Digit Add-On Code

4.3 EAN13



Disable ISBN



Enable ISBN



ISBN Send 13 Digits



ISBN Send 10 Digits



ISSN On



ISSN Off



Disable EAN-13



Enable EAN-13



Not Transmit Check Digit



Transmit Check Digit



Disable 2-Digit Add-On Code



Enable 2-Digit Add-On Code



Disable 5-Digit Add-On Code



Enable 5-Digit Add-On Code

4.4 UPC-E



Disable UPC-E



Enable UPC-E



Not Transmit Check Digit



Transmit Check Digit



Not Transmit System Character "0"



Transmit System Character



Not Convert UPC-E To UPC-A



Convert UPC-E To UPC-A



Transmit UPC-E To UPC-A



Transmit UPC-E Country Code + System Character



Disable 2-Digit Add-On Code



Enable 2-Digit Add-On Code



Disable 5-Digit Add-On Code



Enable 5-Digit Add-On Code

4.5 UPC-A



Disable UPC-A



Enable UPC-A



Not Transmit Check Digit



Transmit Check Digit



No Transmit System Character "0"



Transmit System Character "0"



No Preamble



Disable 2-Digit Add-On Code



Enable 2-Digit Add-On Code



Disable 5-Digit Add-On Code



Enable 5-Digit Add-On Code

4.6 Interleaved 25



Disable Interleaved 25



Enable Interleaved 25



Set The Minimum Length



Set The Maximum Length



Not Check



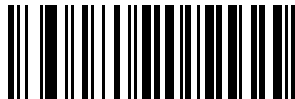
Check, Not Transmit Check Digit



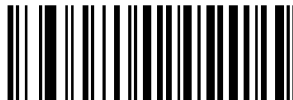
Check, Transmit Check digit



ITF14 Transmit Check Digit



ITF14 Not Transmit Check Digit



ITF16 Transmit Check Digit



ITF16 Not Transmit Check Digit

4.7 MATRIX 25



Disable Matrix 25



Enable Matrix 25



Set The Minimum Length



Set The Maximum Length



Not Check

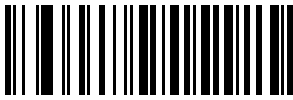


Check, Not Transmit Check Digit



Check, Transmit Check Digit

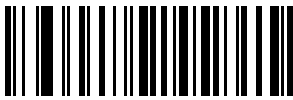
4.8 CODE 39



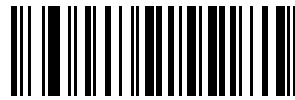
Disable CODE 39



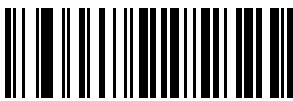
Enable CODE 39



Set The Minimum Length



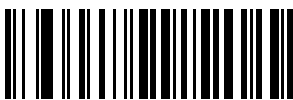
Set The Maximum Length



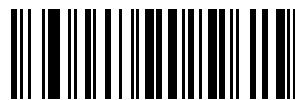
Not Check



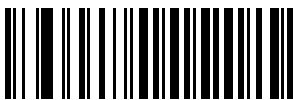
Check



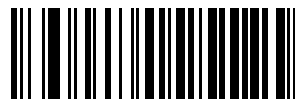
Not Transmit Start-Stop Character



Transmit Start-Stop Character

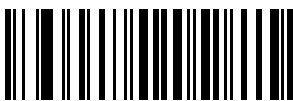


Full ASCII code39

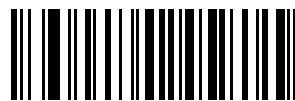


Standard code 39

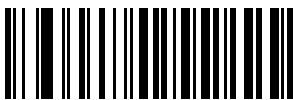
4.9 CODE 32



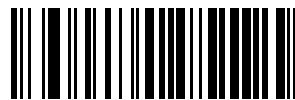
Enable Code32



Disable Code32



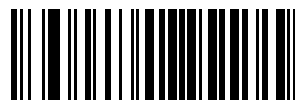
Enable Prefix "0"



Disable Prefix "0"



Transmit Check Digit



Not Transmit Check Digit

4.10 CODABAR



Disable Codabar



Enable Codabar



Set The Minimum Length



Set The Maximum Length



Not check



Check, Not Transmit Check Digit



Transmit Check Digit



Not Transmit Start-Stop Characters



Transmit Start-Stop Characters



ABCD As Start-Stop Character



ABCD/TNE As Start-Stop Character



Start-Stop Characters In Upper Case



Start-stop Characters In Lower Case

4.11 CODE 93



Disable Code 93



Enable Code 93



Set The Minimum Length



Set The Maximum Length



No Check



Check, Not Transmit Check Digit



Check, Transmit Check Digit

4.12 RSS



Disable RSS



Enable RSS



Not Transmit AL(01)Character



Transmit AL(01) Character

4.13 Industrial 25



Disable Industrial 25



Enable Industrial 25



Set The Minimum Length



Set The Maximum Length



No Check



Check, Not Transmit Check Digit



Check, Transmit Check Digit

4.14 Standard 25



Disable Standard 25



Enable Standard 25



Set the Minimum Length



Set the Maximum Length



No Check



Check, Not Transmit Check Digit



Check, Transmit Check Digit

4.15 Plessey



Disable Plessey



Enable Plessey



Set The Minimum Length



Set The Maximum Length



No Check



Check, Not Transmit Check Digit



Check, Transmit Check Digit

4.16 MSI



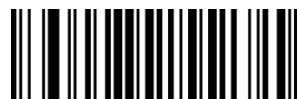
Disable MSI



Enable MSI



Set The Minimum Length



Set The Maximum Length



No Check



Single Check Digit, MOD10



Double Check Digit:MOD10



Double Check Digit,MOD10/MOD11



Not Transmit Check Digits



Transmit Check Digits

4.17 QR



Disable QR



Enable QR



Set The Minimum Length



Set The Maximum Length



Read Single QR Only



Read Double QR Only



Enable <http://https://www.>



Disable <http://https://www.>

4.18 PDF 417



Disable PDF417



Enable PDF417



Set The Minimum Length



Read Single PDF417 Only

Set The Maximum Length



Read Double PDF417 Only

4.19 DM



Disable Data Matrix



Enable Data Matrix



Set The Minimum Length



Set The Maximum Length



Read Single Data Matrix Only



Read Double Data Matrix Only

4.20 Aztec

Aztec is common use for 2D barcode on transport industry.



ON



OFF

4.21 Maxicode

Maxicode is common use for 2D barcode on express, such as: UPS



ON



OFF

Appendix I Factory Defaults Table

| Default function parameter setting | | | |
|------------------------------------|-------------------------|--------------------------------|------------------------------|
| Serial number | Item name | Name | Default Value |
| 1 | | Select Interface | USB-KB |
| 2 | Scan mode | Scanner | Manual |
| 3 | | Omni-directional scanner | Auto-induction |
| 4 | | Induction sensitivity adjust | Commonly |
| 5 | | Language setting | USA |
| 6 | | Caps lock | OFF |
| 7 | | Number lock | OFF |
| 8 | Serial Port Function | Baud rate | 9600 |
| 9 | | Parity bit | None |
| 10 | | Stop bit | 1 stop bit |
| 11 | | Data bit | 8 bit |
| 12 | Edit Data | Terminal Character | Enter (0x0D) |
| 13 | | Convert Case | No Convert |
| 14 | | AIM Function | OFF |
| 15 | Sound setting | Decode indicator | High Type 1 |
| 16 | Light Illumination | Illumination | Flashing |
| 17 | | Aiming | Flashing |
| 18 | Other | One time Barcode Scan Delay On | 15s |
| 19 | | Anti-color code read | Only Read Anti-color Code |

| Default function parameter setting | | | | | |
|------------------------------------|------|--------------|-----------------------|----------------|----------------|
| TYPES | Read | Verify check | Transmit checking dig | Mininum length | Maximun length |
| Code128 | YES | YES | YES | 1 | 255 |
| EAN-8 | YES | YES | YES | 8 | 8 |
| EAN-13 | YES | YES | YES | 13 | 13 |
| UPC-E | N | YES | YES | 7 | 7 |
| UPC-A | YES | YES | YES | 12 | 12 |
| Interleave 2 5 | YES | YES | YES | 6 | 255 |
| MatriX2 5 | N | YES | YES | 6 | 255 |
| Code39 | YES | YES | YES | 1 | 255 |
| Code32 | NO | NO | NO | 8 | 8 |
| Codabar | YES | YES | YES | 4 | 255 |
| Code93 | YES | YES | NO | 1 | 255 |

| | | | | | |
|----------------|-----|-----|-----|---|-----|
| RSS | YES | NO | NO | 1 | 255 |
| Industrial 2 5 | YES | YES | YES | 6 | 255 |
| Standard 2 5 | YES | NO | NO | 6 | 255 |
| Plessey | NO | NO | NO | 4 | 60 |
| MSI | NO | NO | NO | 6 | 32 |
| QR | YES | NO | NO | | |
| PDF417 | YES | NO | NO | | |
| DM | YES | NO | NO | | |

Appendix II Code ID Table

When the setting parameter turns on the function of CODE ID, the corresponding barcode data will be preceded by CID CODE, as shown below:

| Barcode type | CID |
|--------------|-----|
| UPCA | A |
| UPCE | B |
| EAN8 | C |
| EAN13 | D |
| ISSN | E |
| ISBN | F |
| CODE 128 | G |
| GS1 128 | H |
| ISBT128 | J |
| CODE 39 | K |
| CODE 93 | L |
| CODE 11 | M |
| ITF 25 | N |
| ITF 6 | O |
| ITF 14 | P |
| MATRIX 25 | S |
| IN 25 | U |
| STANDARD 25 | V |
| CODABAR | W |
| UK | X |
| MSI | Y |
| GS1 | Z |

Appendix III ASCII Table

| BIN | DEC | HEX | COM | KEYBOARD |
|-----------|-----|-----|---------|--------------|
| 0000 0000 | 0 | 00 | NUL | NULL |
| 0000 0001 | 1 | 01 | SOH | ENTER |
| 0000 0010 | 2 | 02 | STX | CAPS LOCK |
| 0000 0011 | 3 | 03 | ETX | NULL |
| 0000 0100 | 4 | 04 | EOT | NULL |
| 0000 0101 | 5 | 05 | ENQ | NULL |
| 0000 0110 | 6 | 06 | ACK | NULL |
| 0000 0111 | 7 | 07 | BEL | ENTER |
| 0000 1000 | 8 | 08 | BS | ← |
| 0000 1001 | 9 | 09 | HT | TAB |
| 0000 1010 | 10 | 0A | LF | ↓ |
| 0000 1011 | 11 | 0B | VT | TAB |
| 0000 1100 | 12 | 0C | FF | DELETE |
| 0000 1101 | 13 | 0D | CR | ENTER |
| 0000 1110 | 14 | 0E | SO | INSERT |
| 0000 1111 | 15 | 0F | SI | ESCAPSE |
| 0001 0000 | 16 | 10 | DLE | F11 |
| 0001 0001 | 17 | 11 | DC1 | HOME |
| 0001 0010 | 18 | 12 | DC2 | PRINT SCREEN |
| 0001 0011 | 19 | 13 | DC3 | DELETE |
| 0001 0100 | 20 | 14 | DC4 | TAB+SHIFT |
| 0001 0101 | 21 | 15 | NAK | F12 |
| 0001 0110 | 22 | 16 | SYN | F1 |
| 0001 0111 | 23 | 17 | ETB | F2 |
| 0001 1000 | 24 | 18 | CAN | F3 |
| 0001 1001 | 25 | 19 | EM | F4 |
| 0001 1010 | 26 | 1A | SUB | F5 |
| 0001 1011 | 27 | 1B | ESC | F6 |
| 0001 1100 | 28 | 1C | FS | F7 |
| 0001 1101 | 29 | 1D | GS | F8 |
| 0001 1110 | 30 | 1E | RS | F9 |
| 0001 1111 | 31 | 1F | US | F10 |
| 0010 0000 | 32 | 20 | (SPACE) | (SPACE) |
| 0010 0001 | 33 | 21 | ! | ! |
| 0010 0010 | 34 | 22 | " | " |
| 0010 0011 | 35 | 23 | # | # |
| 0010 0100 | 36 | 24 | \$ | \$ |

| | | | | |
|-----------|----|----|---|---|
| 0010 0101 | 37 | 25 | % | % |
| 0010 0110 | 38 | 26 | & | & |
| 0010 0111 | 39 | 27 | ' | ' |
| 0010 1000 | 40 | 28 | (| (|
| 0010 1001 | 41 | 29 |) |) |
| 0010 1010 | 42 | 2A | * | * |
| 0010 1011 | 43 | 2B | + | + |
| 0010 1100 | 44 | 2C | , | , |
| 0010 1101 | 45 | 2D | - | - |
| 0010 1110 | 46 | 2E | . | . |
| 0010 1111 | 47 | 2F | / | / |
| 0011 0000 | 48 | 30 | 0 | 0 |
| 0011 0001 | 49 | 31 | 1 | 1 |
| 0011 0010 | 50 | 32 | 2 | 2 |
| 0011 0011 | 51 | 33 | 3 | 3 |
| 0011 0100 | 52 | 34 | 4 | 4 |
| 0011 0101 | 53 | 35 | 5 | 5 |
| 0011 0110 | 54 | 36 | 6 | 6 |
| 0011 0111 | 55 | 37 | 7 | 7 |
| 0011 1000 | 56 | 38 | 8 | 8 |
| 0011 1001 | 57 | 39 | 9 | 9 |
| 0011 1010 | 58 | 3A | : | : |
| 0011 1011 | 59 | 3B | ; | ; |
| 0011 1100 | 60 | 3C | < | < |
| 0011 1101 | 61 | 3D | = | = |
| 0011 1110 | 62 | 3E | > | > |
| 0011 1111 | 63 | 3F | ? | ? |
| 0100 0000 | 64 | 40 | @ | @ |
| 0100 0001 | 65 | 41 | A | A |
| 0100 0010 | 66 | 42 | B | B |
| 0100 0011 | 67 | 43 | C | C |
| 0100 0100 | 68 | 44 | D | D |
| 0100 0101 | 69 | 45 | E | E |
| 0100 0110 | 70 | 46 | F | F |
| 0100 0111 | 71 | 47 | G | G |
| 0100 1000 | 72 | 48 | H | H |
| 0100 1001 | 73 | 49 | I | I |
| 0100 1010 | 74 | 4A | J | J |
| 0100 1011 | 75 | 4B | K | K |
| 0100 1100 | 76 | 4C | L | L |
| 0100 1101 | 77 | 4D | M | M |

| | | | | |
|-----------|-----|----|---|---|
| 0100 1110 | 78 | 4E | N | N |
| 0100 1111 | 79 | 4F | O | O |
| 0101 0000 | 80 | 50 | P | P |
| 0101 0001 | 81 | 51 | Q | Q |
| 0101 0010 | 82 | 52 | R | R |
| 0101 0011 | 83 | 53 | S | S |
| 0101 0100 | 84 | 54 | T | T |
| 0101 0101 | 85 | 55 | U | U |
| 0101 0110 | 86 | 56 | V | V |
| 0101 0111 | 87 | 57 | W | W |
| 0101 1000 | 88 | 58 | X | X |
| 0101 1001 | 89 | 59 | Y | Y |
| 0101 1010 | 90 | 5A | Z | Z |
| 0101 1011 | 91 | 5B | [| [|
| 0101 1100 | 92 | 5C | \ | \ |
| 0101 1101 | 93 | 5D |] |] |
| 0101 1110 | 94 | 5E | ^ | ^ |
| 0101 1111 | 95 | 5F | _ | _ |
| 0110 0000 | 96 | 60 | ` | ` |
| 0110 0001 | 97 | 61 | a | a |
| 0110 0010 | 98 | 62 | b | b |
| 0110 0011 | 99 | 63 | c | c |
| 0110 0100 | 100 | 64 | d | d |
| 0110 0101 | 101 | 65 | e | e |
| 0110 0110 | 102 | 66 | f | f |
| 0110 0111 | 103 | 67 | g | g |
| 0110 1000 | 104 | 68 | h | h |
| 0110 1001 | 105 | 69 | i | i |
| 0110 1010 | 106 | 6A | j | j |
| 0110 1011 | 107 | 6B | k | k |
| 0110 1100 | 108 | 6C | l | l |
| 0110 1101 | 109 | 6D | m | m |
| 0110 1110 | 110 | 6E | n | n |
| 0110 1111 | 111 | 6F | o | o |
| 0111 0000 | 112 | 70 | p | p |
| 0111 0001 | 113 | 71 | q | q |
| 0111 0010 | 114 | 72 | r | r |
| 0111 0011 | 115 | 73 | s | s |
| 0111 0100 | 116 | 74 | t | t |
| 0111 0101 | 117 | 75 | u | u |
| 0111 0110 | 118 | 76 | v | v |

| | | | | |
|-----------|-----|----|-----|-----|
| 0111 0111 | 119 | 77 | w | w |
| 0111 1000 | 120 | 78 | x | x |
| 0111 1001 | 121 | 79 | y | y |
| 0111 1010 | 122 | 7A | z | z |
| 0111 1011 | 123 | 7B | { | { |
| 0111 1100 | 124 | 7C | | |
| 0111 1101 | 125 | 7D | } | } |
| 0111 1110 | 126 | 7E | ~ | ~ |
| 0111 1111 | 127 | 7F | DEL | DEL |

Appendix IV Set parameter table



0



1



2



3



4



5



6



7



8



9



A



B



C



D



E



F



Save



Cancel One Digit



Cancel A Group Of Digits



Cancel All Digits