RTscan

User Guide

For iN1

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Chapter1 Introduction

The iN1 scanner is specifically designed to scan barcodes that have been directly marked onto a product (DPM, direct part marking).

Using advanced technology, the iN1 demonstrates great reading capabilities for these types of barcodes.

This manual introduces how to quickly change the default function parameters of the scanner through the barcodes in this manual. The scanner has provided common function parameters when leaving the factory. If you need to change these settings, you can complete the settings by scanning the setting code in this manual. The asterisk (*) next to the option indicates the default setting.

The professional software,ImageConfigTool will be offered to adapt the scanner's parameters for better reading performance on each client's specific DMP code.

Enter Setup

Chapter2 Setup/Programming

2.1. Setup Scanner

There are two ways to configure the Scanner: barcode programming and command programming.

Barcode Programming

The Scanner can be configured by scanning programming barcodes. All user programmable features/options are described along with their programming barcodes/commands in the following sections.

This programming method is most straightforward.

Command Programming

The Scanner can also be configured by serial commands sent from the host device.

You could design an application program to send those command strings to the engines to perform device configuration.

2.1.1. Use Setup Code

Before scanning programming barcodes, you must first scan the **Enter Setup** to activate the setup code function, and when all setup done, please scan the **Exit Setup** to close the setup function.

The setting code is used as a setting function, and the scanner will not send it to the receiving host.

【Enter Setup】

【Exit Setup】

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2.1.2. Use the Setting Command

You can also send the setting command string through the serial port to set the scan engine, such as turning off the prompt sound, you can send the " string".

2.2. Default Setting

2.2.1. Factory Defaults

Scanning the following barcode would restore the engine to the factory defaults.

You may need to reset all parameters to the factory defaults when:

1. engine is not properly configured so that it fails to decode barcodes;
2. you forget previous configuration and want to avoid its impact.

【Restore all factory defaults】

2.2.2. Custom Defaults

Scanning the **Restore Custom Defaults** code will switch the scanner to the state of the user default settings.

Scanning the **Clear User Defaults** code will reset the scanner to factory settings and clear all user settings.


@CUSTDEF

【Restore Custom Default Settings】


@CUSTCLR

【Clear Custom Default Settings】

2.3. Illumination and Aiming

2.3.1. Illumination Color Selection

The Illumination supports 2 colors. You could choose different Illumination colors according to different materials to obtain the best decoding effect.


MLEDSET0

【Only red light】


MLEDSET2

【Only white light】


MLEDSET3

*【Smart switch between white and red】

2.3.2. Illumination and Aiming Settings


ALLIOPEN

*【Both Illumination and aiming are on】


LASERON1

【Only the aiming is on】


LIGHTON1

【Only the Illumination is on】

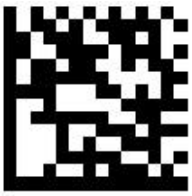

ALLCLOSE

【The illumination and aiming all off】

2.4. LED Indicator Settings


DCOKLED1

*【Light on】


DCOKLED0

【Light off】

2.5. Sound Settings

2.5.1. Start-up Tone Setting


STARTUP1

*【Turn on the boot prompt sound】


STARTUP0

【Turn off the boot prompt sound】

2.5.2. Decoding Successful Prompt Tone Setting


DCVOTOK1

*【Turn on the successful decoding sound】


DCVOTOK0

【Turn off the successful decoding sound】

2.5.3. Decoding Successful Prompt Tone Duration Setting

You can choose 40ms, 80ms, 120ms.


DCVOTI40

【Prompt sound duration (short)】


DCVOTI80

*【Prompt sound duration (medium)】

Enter Setup

DCVOT120

【Prompt sound duration (long)】

2.5.4. Decoding Successful Prompt Tone Frequency Setting

You could choose low frequency-1600HZ, medium frequency-2700HZ and high frequency-4200HZ.

DCLOVFRG

【Low frequency (1600HZ)】

DCMIVFRG

*【Medium frequency (2700HZ)】

DCHIVFRG

【High frequency (4200HZ)】

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2.6. Scan Mode Settings

2.6.1. Trigger Mode

Press the button to start scanning, and release the button to stop code reading. When the decoding is successful or a code reading times out, the code reading will stop. In the trigger mode, the scanner can set the code reading timeout (1-25s).

DCMOMANU

*【Manual trigger mode】

DCTIME01

【code reading timeout time 1s】

DCTIME03

【code reading timeout time 3s】

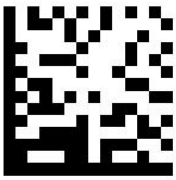
DCTIME05

【code reading timeout time 5s】

DCTIME10

【code reading timeout time 10s】

Enter Setup


DCTIME15

【Code reading timeout time 15s】


DCTIME20

【Code reading timeout time 20s】


DCTIME25

*【Code reading timeout time 25s】


SETDECTI

【Custom setting timeout time for code reading】

2.6.2.Continuous Trigger Mode

When the button is pressed and released, the scanner will start continuous reading, and pressing the scanning button again will stop continuous reading.

In this mode, the continuous reading interval and re-reading delay can be set.


DCMOCONT

【Continuous Trigger Mode】

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Continuous Reading Time Setting

TIMEOUT0

【Continuous reading interval 0ms】

TIMEOUT1

【Continuous reading interval 100ms】

TIMEOUT2

【Continuous reading interval 300ms】

TIMEOUT3

【Continuous reading interval 500ms】

TIMEOUT4

【Continuous reading interval 1s】

TIMEOUT5

【Continuous reading interval 2s】

TIMEOUT6

【Continuous reading interval 3s】

TIMEOUT7

【Continuous reading interval 5s】

Enter Setup

TIMEOUT8

【Continuous reading interval 10s】

TIMEOUT9

【Continuous reading interval 15s】

SETCONTI

【Custom setting of continuous reading interval time】

After the re-read delay is turned on , there is a time interval between reading the same barcode repeatedly . This time interval does not read the same barcode last time, and it will be re -read after a delay . When the re-read delay is turned off , there is no time interval between reading the same barcode.

REPREAD1

【Reread Delay On】

*REPREAD0

【Reread delay off】

REPTOUT0

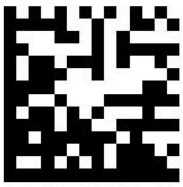
【Reread delay time 500ms】

REPTOUT1

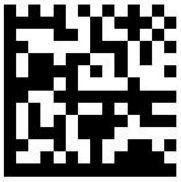
【Reread delay time 1s】

Eixt Setup

Enter Setup


REPTOUT2

【Reread delay time 2s】


REPTOUT3

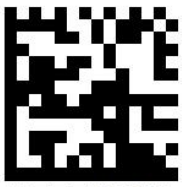
【Reread delay time 3s】


REPTOUT4

【Reread delay time 5s】


REPTOUT5

【Reread delay time 10s】


REPTOUT6

【Reread delay time 15s】


SETREPTI

【Custom setting reread delay time】

2.6.3.One-shot Mode/Single Trigger Mode

When the button is pressed, the scanner starts to read the code, and stops reading the code until the code is successfully read or the set time for a code-reading timeout is reached.


DCMODONE

【Single trigger mode】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2.6.4.Sense Mode

In this mode, the scanner will automatically activate a decode session once it detects a barcode The decode session continues until a barcode is decoded or the decode session timeout expires.

【Sense Mode】

Reread delay can be set in this mode.

IMAGOUT1

【Image recognition timeout time 1s】

IMAGOUT2

【Image recognition timeout time 2s】

IMAGOUT3

【Image recognition timeout time 3s】

IMAGOUT4

【Image recognition timeout time 5s】

SETDECTI

Enter Setup

【Custom setting timeout time for code reading】

SETSENTI

【Set image stabilization time】

STABTIM0

【Image stabilization time 20ms】

STABTIM1

【Image stabilization time 50ms】

STABTIM2

【Image stabilization time 10 0ms】

STABTIM3

【Image stabilization time 30 0ms】

SENSITI0

【Image Sensitivity - High】

SENSITI1

* 【Image Sensitivity - Medium】

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Enter Setup

SENSITI2

【Image Sensitivity - Low】

2.6.5.Batch Reading Mode:

A trigger pull activates a round of multiple decode sessions. This round of multiple scans continues until you release the trigger. Rereading the same barcode is not allowed in the same round.

DCMODBAT

【Batch reading mode】

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2.7. Decode Area

2.7.1. Whole Area Decoding

The engine attempts to decode barcode(s) within its field of view, from the center to the periphery, and transmits the barcode that has been first decoded.

*【Whole Area Decoding】

2.7.2. Central Area Decoding

Read and decode the barcode aligned with the aiming light.

【Central Area Decoding】

Chapter3 USB Communication Settings

USB supports the following 4 communication methods: USB-HID, USB-CDC, USB-HID POS.

3.1. USB-HID Keyboard

In this mode, the scanner will be virtual as a keyboard to output data to the host.


MOUSBHID

*【USB-HID Keyboard】

3.1.1. Interval Delay Setting

You can choose 1ms, 3ms, 5ms, 10ms, 15ms, the default delay setting is 3ms.


HIDDELY0

【Character output interval delay 1ms】


HIDDELY1

*【Character output interval delay 3ms】


HIDDELY2

【Character output interval delay 5ms】


HIDDELY3

【Character output interval delay 10ms】


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Enter Setup


HIDDELY4


HIDDELY5

【Character output interval delay 15ms】

【Character output interval delay 20ms】

3.1.2. Chinese Output Settings


CHINEAN1


CHINEAN0

【Allow Chinese output】

*【Prohibit Chinese output】


UNICODE0


UNICODE1

【Unicode output】

【GBK output】

Barcode encoding method selection: UTF-8, GBK, SHFIT-JIS, BIG-5 and automatic adaptation, automatic adaptation only supports UTF-8 and GBK encoding.


CODEMOD1


CODEMOD0

【UTF-8 encoding】 *

【automatic matching】


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Enter Setup


CODEMOD2

【GBK code】


CODEMOD3

【SHFIT-JIS code】


CODEMOD4

【BIG-5 code】

3.1.3. Caps Lock Settings

The Caps Lock On options can invert upper and lower case characters contained in barcode data. This inversion occurs regardless of the state of Caps Lock key on the host device's keyboard. To disable this feature, scan the appropriate Caps Lock OFF barcode below based on your keyboard.

Default: off.


LOCKCAP0

【Unlock caps key】 *


LOCKCAP1

【Lock caps key】

3.1.4. Case Conversion Settings

When it is set to "Convert all to uppercase", all lowercase letters in the barcode data will be


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converted to uppercase. Conversely, when it is set to "Convert all to lowercase letters", all uppercase letters in the barcode data will be converted to lowercase letters, which is not converted by default.

*【Do not convert】

【Convert all to lowercase letters】

【Convert all to uppercase letters】

3.1.5. USB Country Keyboard Types

Keyboard layouts vary from country to country. The default setting is U.S. keyboard.

The default is the US-style keyboard.

*【US English】

【Belgium (Dutch)】

Enter Setup

KBDSET02

【Brazil (Portuguese)】

KBDSET03

【Canada (French)】

KBDSET04

【Finland】

KBDSET05

【Czech Republic】

KBDSET06

【Denmark】

KBDSET07

【Germany (German)】

KBDSET08

【France】

KBDSET09

【Greece】

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Enter Setup


KBDSET10

【Hungary】


KBDSET11

【Israel】


KBDSET12

【Italy】


KBDSET13

【Latin America (Spanish)】


KBDSET14

【Netherlands】


KBDSET15

【Poland】


KBDSET16

【Norway】


KBDSET17

【Portugal】


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Enter Setup


KBDSET18

【Romania】


KBDSET19

【Spain】


KBDSET20

【Sweden】


KBDSET21

【Switzerland (German)】


KBDSET22

【Switzerland (French)】


KBDSET23

【Türkiye】


KBDSET24

【United Kingdom】


KBDSET25

【Japan】


KBDSET26


KBDSET27


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【Slovakia】

KBDSET28

【Russia】

KBDSET29

【Vietnam】

KBDSET30

【Thailand】

【Malaysia】

3.2. USB-CDC Serial Port

If your engine is connected to the USB port on a host device, the USB CDC feature allows the host device to receive data in the way as a serial port does.

MOUSBCDC

【USB-CDC serial port mode】

3.3. USB-HID POS

The HID-POS interface is recommended for new application programs. It can send up to 56 characters in a single USB report and appears more efficient than keyboard emulation.

【USB-HID POS mode】

Chapter4 TTL-232 Serial Communication Settings

Scan "Serial communication interface is usually used when connecting the engine to a host device (like PC, POS). However, to ensure smooth communication and accuracy of data, you need to set communication parameters (including baud rate, parity check, data bit and stop bit) to match the host device.

The serial communication interface provided by the engine is based on TTL-level signals. TTL-232 can be used for most application architectures. For those requiring RS-232, an external conversion circuit is needed.

MOPYUART

【TTL serial communication】

4.1. Baud Rate Setting

BAUDSET0

【Baud rate 1200】

BAUDSET1

【Baud rate 2400】

BAUDSET2

【Baud rate 4800】

BAUDSET3

【Baud rate 9600】

Enter Setup


BAUDSET4

【Baud rate 14400】


BAUDSET5

【Baud rate 19200】


BAUDSET6

【Baud rate 38400】


BAUDSET7

【Baud rate 57600】


BAUDSET8

*【Baud rate 115200】

4.2. Stop Bit Setting


STOPBIT0

*【One stop bit】


STOPBIT1

【Two stop bits】


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4.3. Data Bit Setting


DATABIT7

【7 data bits】


DATABIT8

*【8 data bits】

4.4. Check Digit Setting


CHEKDAT0

*【No parity】


CHEKDAT1

【Even parity】


CHEKDAT2

【Odd parity】

Chapter5 Prefix & Suffix

A 1D barcode could contain digits, letters, symbols, etc.A 2D barcode could contain more data, such as Chinese characters and other multi-byte characters. However, in real applications, they do not and should not have all information we need, such as barcode type, data acquisition time and delimiter, in order to keep the barcodes short and flexible.

Preffix and suffix are how to fulfill the needs mentioned above. They can be added, removed and modified while the original barcode data remains intact.

5.1. Custom Prefix Settings

Custom prefix adds a user-defined string before decoding the message. For example, it is allowed to add a custom prefix and set the prefix to the string "FT", and the reading data is

After the barcode of "54123", the scanner adds the string of "FT" before the string of "54123", and the host receives "FT54123".

5.1.1. Allow Custom Prefix Settings

PREFIX01

【Allow adding custom prefixes】

PREFIX00

* 【Prohibit adding custom prefixes】

5.1.2. AIM ID Prefix Setting

AMIDEAN0

*【Do not add AIM ID prefix】

AMIDEAN1

【Allow AIM ID prefix】

5.1.3.Code ID Prefix Setting


COIDEAN0


COIDEAN1

*【Do not add CODE ID prefix】

【Allow to add CODE ID prefix】

5.1.4.Custom Prefix Order Settings


USERSET0


USERSET1

*【CodeID+Custom+AIMID】

【Custom+CodeID+AIMID】

5.1.5.Modify Custom Prefix Settings

First scan "Modify Custom Prefix", then read the hexadecimal value of each byte in the prefix string to be set in order, and finally read "Save Settings" to complete the setting of the custom prefix. The total length of the custom prefix string must not exceed 10 characters, and the value range of characters is 0x00~0xFF.


ECPREFIX

【Modify custom prefix】

Enter Setup

5.2. Custom Suffix Settings

A custom suffix is to add a user-defined string after the decoded information. For example, it is allowed to add a custom suffix and set the suffix to the string "FT", and the reading data is

After the "54123" barcode, the scanner adds a "FT" string after the "54123" string, and the host receives "54123FT".

5.2.1. Terminator Suffix

The terminator suffix is used to mark the end of a complete piece of data information, and supports 3 kinds of terminator suffixes CR (carriage return), CRLF (carriage return and line feed), and TAB (horizontal tab).

SUFFIXCR

*【Terminator suffix CR】

SUFFIXLR

【Terminator suffix CRLF】

SUFFIXNO

【No end character suffix】

SUFFIXTB

【End character suffix TAB】

5.2.2. Allow Custom Suffix Settings

SUFFIXS0

SUFFIXS1

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*【Prohibit adding custom suffixes】 【Allow adding custom suffixes】

5.2.3.Modify Custom Suffix Settings

First scan "Modify Custom Suffix", then read the hexadecimal value of each byte in the suffix string to be set in order, and finally read "Save Settings" to complete the setting of the custom suffix. The total length of the custom suffix string must not exceed 10 characters, and the character value range is 0x00~0xFF.

ECSUFFIX

【Change custom suffix】

5.2.4.Data Packing

For some applications, there are high requirements for data integrity and reliability. At this time, data packaging and output can be used to ensure data integrity.

PACKDAT0

PACKDAT1

*【Prohibit data packaging】 【Allow data packaging protocol 1】

PACKDAT2

Enter Setup

【Allow data packaging protocol 2】

packaging protocol

Protocol 1: 【STX+ATTR+LEN】+【AL_TYPE+DATA】+【LRC】

STX: 0x02

ATTR: 0x00

LEN: The length of the DATA data, represented by two bytes, with the high-order byte first, and the value range is 0~65535

AL_TYPE: 0x36

DATA: data information content

LRC: check character

LRC: check character. Algorithm of LRC check character: 0xFF^LEN^AL_TYPE^DATA (^ indicates arithmetic XOR operation), all data

XOR operation is performed in byte units. That is, 0xFF is XORed with the first byte of LEN to get a byte of data and then combined with the second byte of LEN

The byte is XORed, and the XOR operation is repeated once until all the data is XORed, and the last byte of data obtained is the check character.

Protocol 2: 【STX+ATTR+LEN】+【AL_TYPE】+【Code_ID+DATA】+【LRC】

STX: 0x02

ATTR: 0x00

LEN: the length of Code ID+DATA data, represented by two bytes, the high byte first, the value range is 0~65535

AL_TYPE: 0x3B

Code ID: barcode serial number, 1 byte (refer to Appendix 4 Code ID)

DATA: data information content

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LRC: check character

LRC: check character. Algorithm of LRC check character: 0xFF^LEN^AL_TYPE^Code_ID^DATA (^ indicates arithmetic XOR operation), all data are XORed in byte units. That is, 0xFF is XORed with the first byte of LEN to obtain a byte of data, and then XORed with the second byte of LEN, and the XOR operation is repeated until all the data is XORed, and finally a byte is obtained The data is the check character.

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Chapter6 Barcode Parameter Setting

6.1. Enable/Disable All 1D Codes

【Enable all 1D codes】

【Disable all 1D codes】

6.2. Enable/Disable All QR Codes

【Enable all QR codes】

【Disable all QR codes】

6.3. Enable/Disable DPM

Enabling DPM code would affect the decoding speed.

【Enable DPM】

【Disable DPM】

6.4. Enable/Disable GS1 identifier Bracket Wrapping


GSAIEAN1

【Enable GS1 identifier brackets around】


GSAIEAN0

*【Disable GS1 identifier brackets around】

6.5. Code128

6.5.1. Code128 Enable/Disable Reading


C128EAN1

*【Enable reading】


C128EAN0

【Disable reading】

6.5.2. Code128 Set the Reading Length


C128MILN

【Minimum Length (Default: 1)】


C128MALN

【Maximum Length (Default: 60)】

6.6. Code 39

6.6.1. Code 39 Enable/Disable Reading


C39EANB1


C39EANB0

*【Enable reading】

【Disable reading】

Code 39 Transmission Start Character and Stop Character


C39TRSE1


C39TRSE0

【Enable transmission of start character and terminator】 *【Disable transmission of start character and terminator】

6.6.2. Code 39 Transmission Verification


C39NCHK0


C39TCHK1

*【No check】

【Check and output check digit】

Enter Setup

C39TCHK0

【Check but not output check digit】

6.6.3.Code 39 Full ASCII

C39FUAS1

*【Enable Code 39 Full ASCII】

C39FUAS0

【Disable Code 39 Full ASCII】

6.6.4.Code 39 the Reading Length Setting

C39MILEN

【Minimum Length (Default: 1)】

C39MALEN

【Maximum Length (Default: 60)】

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6.7. Codabar

6.7.1. Enable/Disable Reading


CBAREAN1

*【Enable Codabar】


CBAREAN0

【Disable Codabar】

6.7.2. Codabar Check Digit Setting


CBANCHK0

*【No check】


CBARCHK1

【Check and output check digit】


CBATCHK0

【Check but not output check digit】

6.7.3. Codabar Start Character and Terminator


CBARTSE1


CBARTSE0

【Enable to transmit start character and end character】 *【Disable to transmit start character and end character】

6.7.4. Set the Read Length


CBAMILEN


CBAMALEN

【Minimum Length (Default: 1)】

【Maximum Length (Default: 60)】

6.8. Interleaved 2 of 5

6.8.1. Enable/Disable Reading


IN25EAN1


IN25EAN0

*【Enable Interleaved 2 of 5】

【Disable Interleaved 2 of 5】


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6.8.2.Transmit Check Character


IN25CHK0

*【No check】


IN25CHK1

【Check and output check digit】


IN25CHK2

【Check but not output check digit】

6.8.3.Set the Reading Length


I25MILEN

【Minimum Length (Default: 1)】


I25MALEN

【Maximum Length (Default: 60)】

6.9. EAN-8

6.9.1. Enable/Disable Reading

*【Enable EAN-8】

【Disable EAN-8】

6.9.2. Transmit Check Character

*【Enable output check digit】

【Disable output check digit】

6.9.3. Read 2-digit Extension Code

【Enable read 2-digit extension code】

*【Disable read 2-digit extension code】

6.9.4.Read 5-digit Extension Code

*【Disable read 5-digit extension code】

【Enable read 5-digit extension code】

6.9.5.Mandatory Reading Extension Code

【Enable Mandatory Reading】

*【Disable Mandatory Reading】

6.10. EAN-13

6.10.1. Enable/Disable Reading

*【Enable EAN-13】

【Disable EAN13】

6.10.2. Transmit Check Character

*【Enable output check digit】

【Disable output check digit】

6.10.3. 2-digit Extension Code

*【Disable read 2-digit extension code】

【Enable read 2-digit extension code】

6.10.4. 5-digit Extension Code

*【Disable read 5-digit extension code】

【Enable read 5-digit extension code】

6.10.5. Mandatory Reading Extension Code

【Enable Mandatory Reading】

*【Disable Mandatory Reading】

6.11. UPC-A

6.11.1. Enable/Disable Reading

*【Enable read UPC-A】

【Disable read UPC-A】

6.11.2. Transmit Check Character

*【Enable output check digit】

【Disable output check digit】

6.11.3. 2-digit Extension Code


UPCAAD20


UPCAAD21

*【Disable read 2-digit extension code】

【Enable read 2-digit extension code】

6.11.4. 5-digit Extension Code


UPCAAD50


UPCAAD51

*【Disable read 5-digit extension code】

【Enable read 5-digit extension code】

6.11.5. Mandatory Reading Extension Code


UPCAREQ0


UPCAREQ1

*【Disable mandatory reading】

【Enable mandatory reading】

6.11.6. Send Leading Characters

UPCATLC1

UPCATLC0

*【Enable to send leading characters】

【Disable to send leading characters】

6.12. UPC-E

6.12.1. Enable/Disable Reading

UPCEEAN1

UPCEEAN0

*【Enable UPC-E】

【Disable UPC-E】

6.12.2. Transmit Check Character

UPCECHK1

UPCECHK0

*【Output check digit】

【Do not output check digit】

6.12.3. 2-digit Extension Code


UPCEAD20

*【Unable to read 2-digit extension code】


UPCEAD21

【Read 2-digit extension code】

6.12.4. 5-digit Extension Code


UPCEAD50

*【Unable to read 5-digit extension code】


UPCEAD51

【Read 5-digit extension code】

6.12.5. Mandatory Reading Extension Code


UPCEREQ0

*【Not Mandatory Reading】


UPCEREQ1

【Compulsory Reading】


Eixt Setup

6.12.6. Send Leading Characters


UPCETLC1

*【Send leading characters】


UPCETLC0

【Do not send leading characters】

6.13. IATA 2 of 5

6.13.1. Enable/Disable Reading


IA25EAN1

【Allow Reading】


IA25EAN0

*【Prohibit Reading】

6.13.2. Transmit Check Character


IA25CHK0

*【No check】


IA25CHK1

【Check and output check digit】

Enter Setup

IA25CHK2

【Check but not output check digit】

6.14. Code93

6.14.1. Enable/Disable Reading

C93EANB1

*【Enable Code93】

C93EANB0

【Disable Code93】

6.15. Code 11

6.15.1. Enable/Disable Reading

C11EANB1

*【Enable Code11】

C11EANB0

【Disable Code11】

Eixt Setup

6.15.2. Transmit Check Character


C11ECHK0

*【No verification】


C11ECHK1

【One check】


C11ECHK2

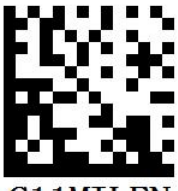
【Two check】


C11TCHK1

*【Output check digit】


C11TCHK0

【Do not output check digit】


C11MILEN

【Set the minimum reading length】


C11MALEN

【Set the maximum reading length】


Eixt Setup

6.16. Plessey

6.16.1. Enable/disable reading


PLESEAN1

*【Enable Plessey】


PLESEAN0

【Disable Plessey】

6.16.2. Transmit Check Character


PLESCHK0

*【No check】


PLESCHK1

【Check and output check digit】


PLESCHK2

【Check but not output check digit】

6.17. MSI Plessey

6.17.1. Enable/Disable Reading

MSIPEAN1

*【Enable MSI Plessey】

MSIPEAN0

【Disable MSI Plessey】

6.17.2. Transmit Check Character

MSIPCHK0

【No verification】

MSIPCHK1

*【One-digit verification】

MSIPCHK2

【Two-digit verification】


MSITCHK1


MSITCHK0

*【Output check digit】

【Do not output check digit】

6.18. Matrix 2 of 5

6.18.1. Enable/Disable Reading


M25EANB1


M25EANB0

*【Enable Matrix 2 of 5】

【Disable Matrix 2 of 5】

6.18.2. Transmit Check Character


M25NCHK0

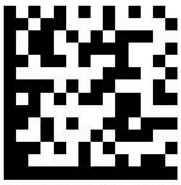

M25TCHK1

*【Do not Transmit Matrix 2 of 5 Check Character】

【Transmit Matrix 2 of 5 Check Character】


M25TCHK0

【Check but not output check digit】


M25MILEN

【Set the minimum reading length】


M25MALEN

【Set the maximum reading length】

6.19. GS1 DataBar

6.19.1. Enable/Disable Reading


GS1DEAN1

*【Enable GS1 Databar】


GS1DEAN0

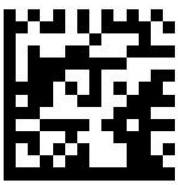
【Disable GS1 Databar】

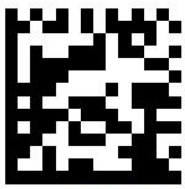

GS1LEAN1

【Limited type allows reading】


GS1LEAN0

【Restricted type prohibits reading】


GS1XEAN1


GS1XEAN0


Eixt Setup

【Enable Extended Reading】 【Disable Extended Reading】

6.20. QR Code

6.20.1. Enable/Disable Reading


QRCOEAN1


QRCOEAN0

*【Enable QR code】 【Disable QR code】


QRCMILEN


QRCMALEN

【Set the minimum reading length】 【Set the maximum reading length】

6.21. MicroQR

6.21.1. Enable/Disable Reading


MCQREAN1


MCQREAN0

*【Enable MicroQR code】 【Disable MicroQR code】

6.22. PDF417

6.22.1. Enable/Disable Reading

PDF4EAN1

*【Enable PDF417】

PDF4EAN0

【Disable PDF417】

PDFMILEN

【Set the minimum reading length】

PDFMALEN

【Set the maximum reading length】

6.22.2. Datamatrix Enable/Disable Reading

DMCOEAN1

*【Enable Datamatrix】

DMCOEAN0

【Disable Datamatrix】

DMAMILEN

DMAMALEN

【Set the minimum reading length】 【Set the maximum reading length】

6.23. Aztec Code

6.23.1. Enable/Disable Reading

*【Enable Aztec】 【Disable Aztec】

【Set the minimum reading length】 【Set the maximum reading length】

6.24. Han Xin

6.24.1. Enable/Disable Reading

*【Enable Hanxin】 【Disable Hanxin】

Enter Setup

【Set the minimum reading length】

【Set the maximum reading length】

6.25. Maxi Code

6.25.1. Enable/Disable Reading

*【Enable Maxi Code】

【Disable Maxi Code】

6.26. Grid Matrix

6.26.1. Enable/Disable Reading

*【Enable Grid Matrix】

【Disable Grid Matrix】

Eixt Setup

Enter Setup

6.27. MicroPDF417

6.27.1. Enable/Disable Reading

*【Enable Micro PDF417】

【Disable Micro PDF417】

Chapter7 Appendix 1 Data Code

【data code 0】

【Data code 1】

【Data Code 2】

【Data code 3】

Eixt Setup

【Data code 4 】

【Data code 5 】

【Data code 6 】

【Data code 7 】

【Data code 8 】

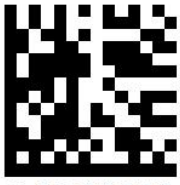
【Data code 9 】

【Data Code A】

【Data code B】

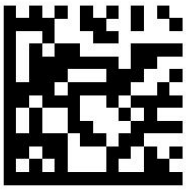
【Data Code C 】

【Data Code D 】



【Data Code E 】

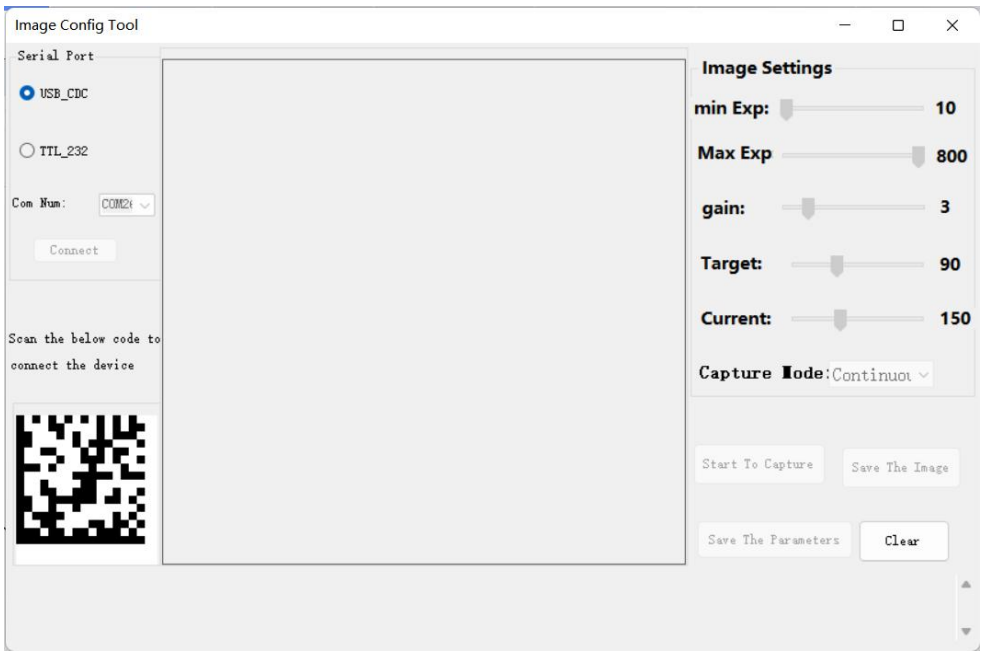
【Data Code F 】



【 Save 】

Chapter8 Image Config Tool User Guide

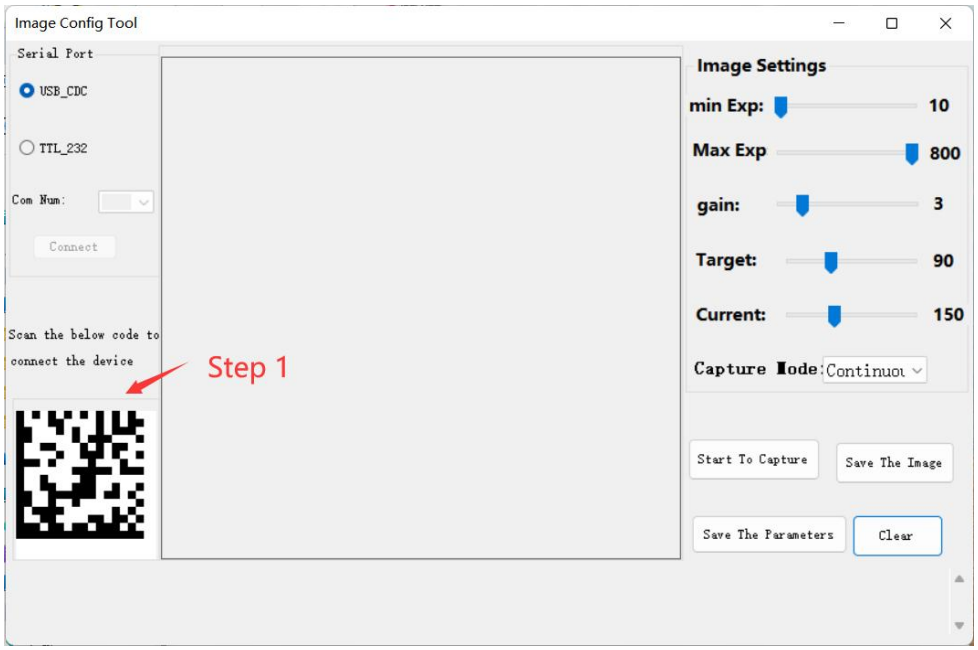
The professional software,ImageConfigTool will be offered to adapt the scanner's parameters for better reading performance on each client's specific DMP code.



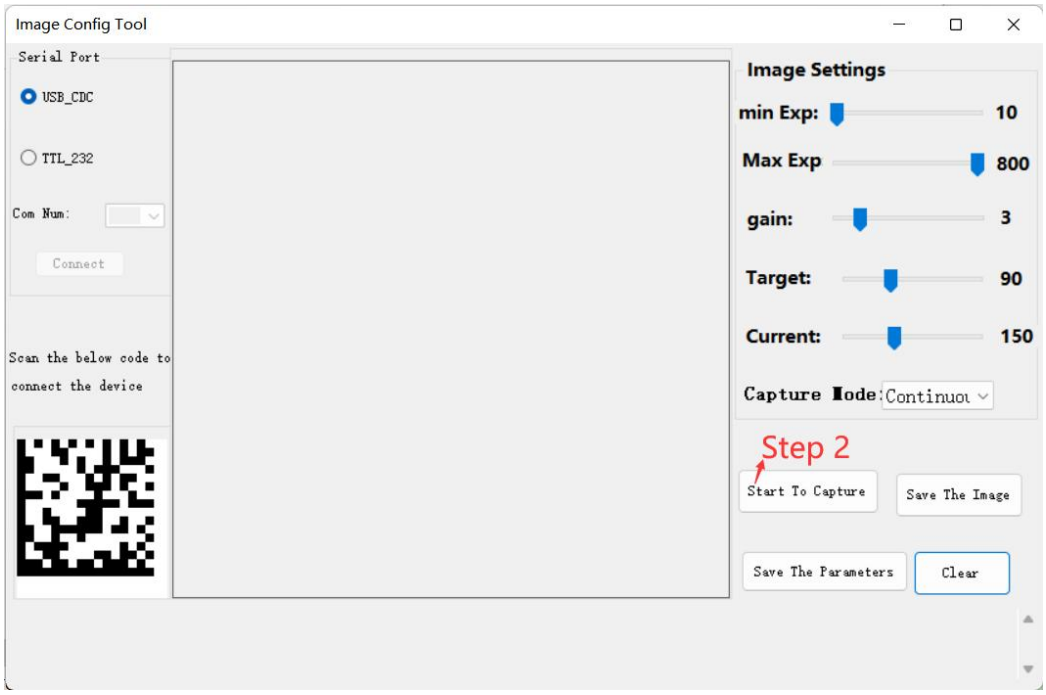
The procedures as below:

Step 1:

Choose the USB_CDC serial port and scan the below barcode to enter the capture page ;

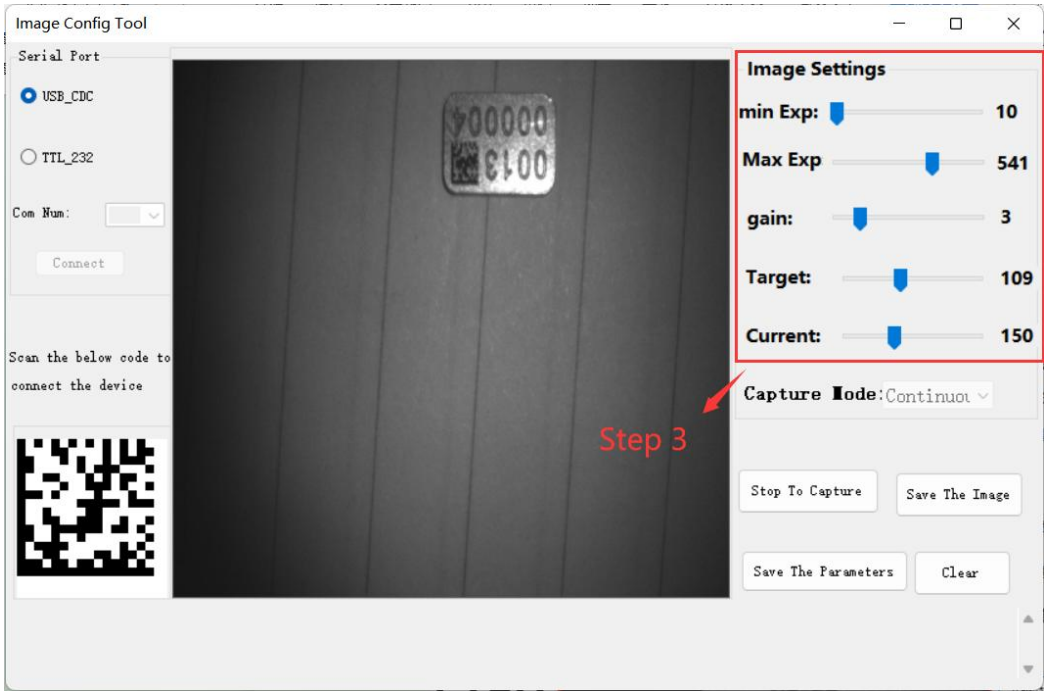


Step 2: Click the button “Start to Capture”



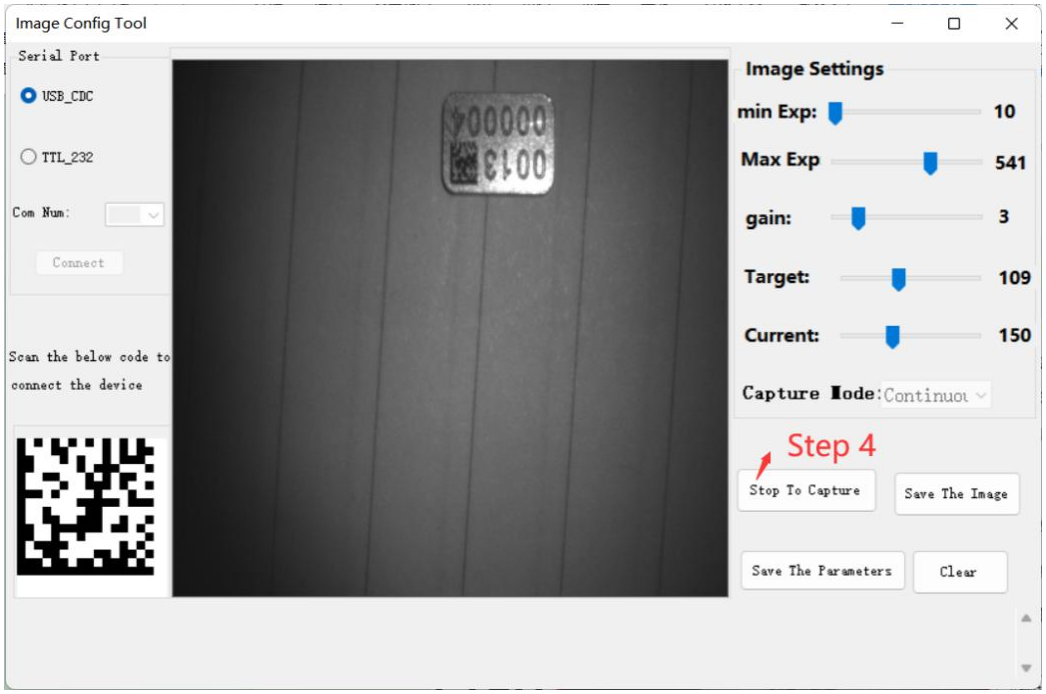
Step 3:

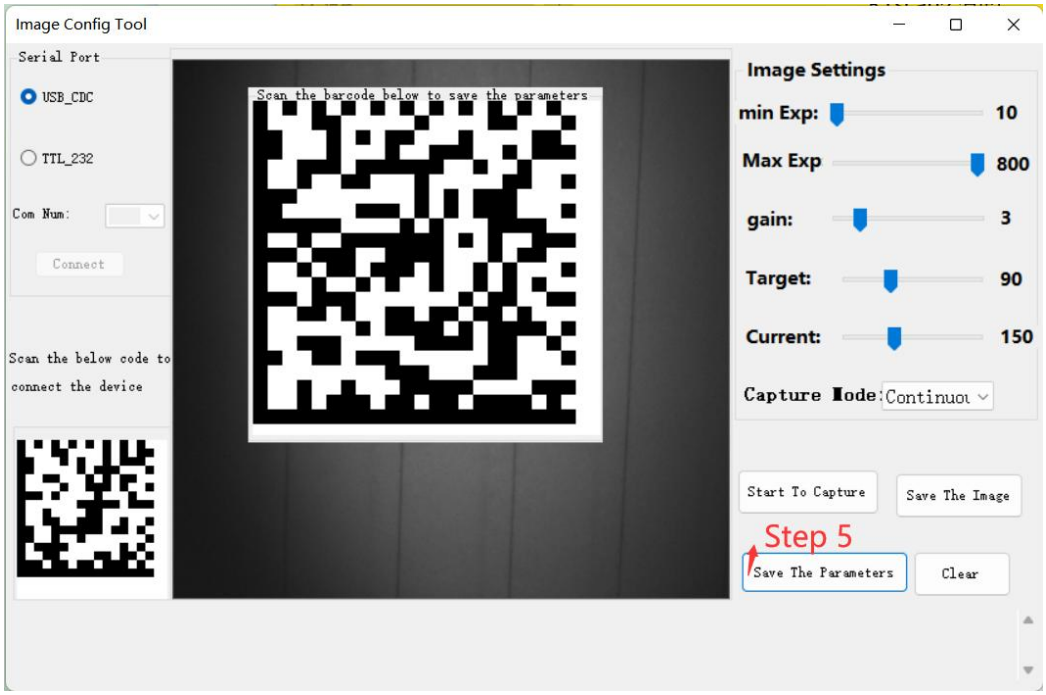
Place the barcode you need to read in the range of the scanner, and adjust the parameters appropriately according to the image quality until the barcode could be read successfully and smoothly.



Step 4:

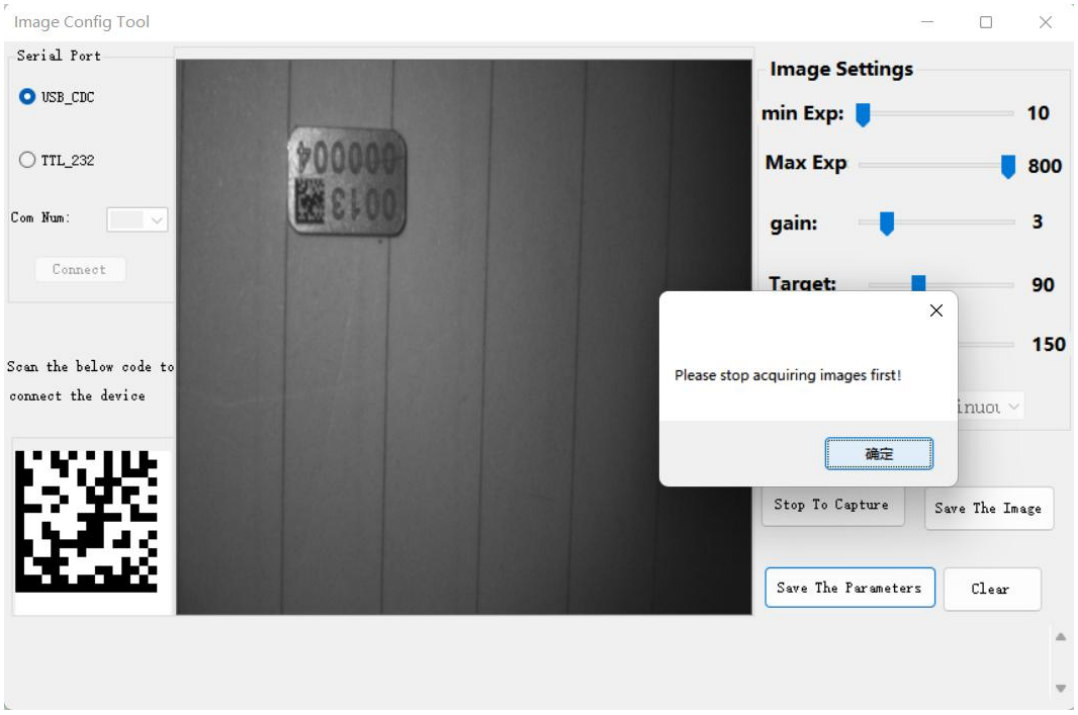
Click the button “Stop to Capture” and click the button “Save the Parameters”





Note:

Please click the ”stop to capture” first then click “Save the Parameter”, otherwise, the image tool will remind you “please stop acquiring images first”.



Enter Setup

For any further support, please contact support@rtscan.net.

Eixt Setup