

# **NuScan 7300CR**

## **User's Manual**



7 1 2 2 2 0 0 0 3

Dear user ,thank you for choosing our products ,we will provide you the best user experience ,for your best using ,please read the manual before you use it

Packing list

- Scanner barcode
- USB charging cable
- adapter
- manual & warranty card
- QC certification
- Power plug (optional)



Warning:

- 1.please pull out the power supply and cable from the scanner in stormy weather to avoid damaging.
- 2.keep away from heat and maintain ventilation.
- 3.keep away from water in the environment of storge transportation and operation.
- 4.please use the original adapter of the device.

Disclaimer

Our compay is not responsible for the loss caused by natural disasters that beyond our abilities like earthquake ,flood,etc ,in any case ,our company does not assume any responsibility for the loss brought with the use of this product (including the loss caused by the manual instructions)such as loss of profit ,loss ot reputation ,business interruption ,or lost/change of the stored data ,and consequently ,lead to any special ,accidental ,consequential or indirect damages.

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For the information ,data ,files ,or other products and services that acquired by using the product.

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This manual is provided according to the actuality ,Unless other wise stated in the applicable law our company does not document the accuracy ,reliability or content of any type ,express or tacit guarantee.

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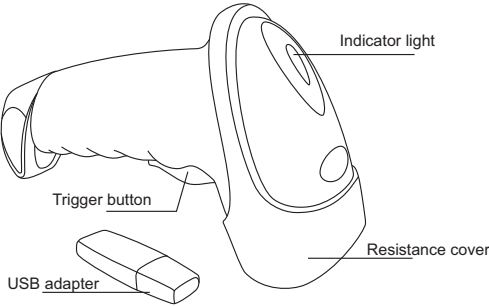
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Recognize wireless barcode scanner

Housing Design description



Technical Parameter

Physical parameter

Product	Handheld wireless barcode scanner
Material	ABS+TPE+PC
Size	length *width *thickness:166*88*64(unit/mm)
Color	white/black
power mode	DC 5V ±5%
Charging cable	1.5M universal USB cable(USB-A--USB-B)
Battery	3.7V 1500mAH 18650 lithium battery
Operating cable	245mA(operating mode) 317mA(maximum peak)
Charging time	3.5 hours
Weight	170g±5g(without cable)

Environmental Parameter

Operating environment	0 to 50 °C / 32 to 122 °F
Storage environment	-20 to 70 °C / -4 to 158 °F
Operating humidity	20 - 95% (no condensation)
Storage humidity	20 - 95% (no condensation)
Protection level	≥ IP54
Antistatic level	15kv
Seismic capacity	1.5m air fall free drop

## Performance parameter

Transmission distance	bluetooth:10m/2.4G:30m(open distance)
Transmission frequency	2.4GHZ
Storage	64K(about 3500 14b 1D barcodes)the memory capacity can be customized
Sensor	Linear CCD sensor
Light source	632nm red diode(LED)
Processor	32-bit ARM Cortex-M3 MCU
Barcode support	Codabar,Code 11,Code 93,MSI,Code128,UPC-A, UCC/EAN-128,Code 39,EAN-8,EAN-13,2/5 Matrix, Industrial 25,Standard 25 etc.
Resolution	4mil(0.1mm),PCS45%
Depth of field	500mm@20mil/0.5mm,PCS90%
Decoding speed	500scans/sec
Trigger mode	Manual automatic scanning ,continuous scanning
Scanning width	5cm—30cm
Prompt mode	Buzzer ,indicator light(LED)
Print contrast	30%
Scanning angle	Roll 35°、pitch65°、yaw 65°

## Using instruction

### Power on

Press the button ,the scanner will have two short beep sounds and the indicator light will blink two times ,the scanner is power on.

### Power off

The default auto shutdown time is 20 seconds ,if there's no operation for 20 seconds ,the Buzzer will have a long beep sound and then enter into sleep mode.

### Enter into pairing mode

- 1.press the button for 10 seconds
- 2.scan the 'scan and pair'barcode



(Scan and pair )

### Remark:

1. for bluetooth scanner ,please press the button for 10 seconds or scan the setup bar code below then the scanner will enter into pairing mode.
2. For 2.4 G wireless scanner ,please plug the adapter to the computer and scan the setup bar Code below within 10 seconds ,otherwise ,the scanner won't pair to the computer ,if fail to pair Please pull out the adapter and plug in again ,then repeat the same step.

## Bluetooth adapter installation Guide (winxp)

- 1.plug in the bluetooth adapter,bluetooth device icon will show on the system tray;
- 2.double click the bluetooth icon then the bluetooth device dialog box will show( user can also click the bluetooth device from the control panel ;
- 3.click add and the bluetooth device wizard will show;
- 4.scan the setup code 'scan and match 'or press the trigger button for 10 seconds in order to let The bluetooth scanner get into matching condition
- The LED light flashes quickly ,Select 'my device is set up and ready to be found 'and click next
- 5.there will be a bluetooth device wizard dialog box that shows 'barcode scanner 'icon ,if not Click 'search again'
- 6.double click 'barcode scanner 'icon and see the passkey dialog box;
- 7.select dont use a passkey and click next to start installing the driver
- 8.after installation ,there will be an extra barcoe scanner in the bluetooth device and an extra HID Keyboard device in the device manager ,the bluetooth adapter install tion in finished now
- 9.now open any edit box like notepad to start reading and uploading barcodes

## Bluetooth adapter installation guide(win7)

- 1.plug in the bluetooth adapter then the bluetooth icon will show;
- 2.double click the bluetooth icon and then the devices and printers will show ;
- 3.activate the scanner and scan the setup code scan and match or press the trigger button for 10 seconds then LED light flashes quickly and the bluetooth scanner enters to the matching concondition;
- 4.click add a device and there comes a dialog box that shows barcode scanner;
- 5.right click the device icon and right click again to select the properties;
- 6.select drivers for keyboard ,mice ,etc[ HID] in the properties dialog box and click yes;
- 7.after installation there will be a balloon to show installation success ,the device manager;Has a new HID keyboard device
- 8.Now the bluetooth installation finished,Open any edit box like notepad to start reading And uploading barcodes.

## Bluetooth adapter installation guide(win8)[need above 2.0 adapter]

- 1.plug in the bluetooth adapter;
- 2.activate the scanner ,press the trigger button for 10 seconds then LED light flashes quickly and The bluetooth scanner enters to the matching condition ;
- 3.open control panel ;
- 4.Click 'add a device'and there comes a dialog box that shows 'barcode scanner 'select the device And click 'next';
- 5.Now the bluetooth installation finished ,open any edit box like notepad to start reading and Uploading barcodes.

## Paired with Android /IOS Devices

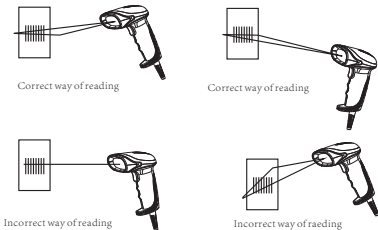
1. please confirm the scanner is in pairing mode ,otherwise ,the device can't search the scanner
2. Click the searched bluetooth device directly ,it can finish the pairing automatically

## charging

please connect the RJ45 interface of the charging cable to the bottom of the scanner and the USB interface to the computer .Or, connect the 5V 500mA power adapter to the power socket ,Charging time will be 2-3 hours ,After fully charged ,the scanner can work 8-12 hours continuously

## Reading angle

1. Maintain a bevel between the scanner and the barcode to make a best reading ;
2. do not keep the scanner in 90° with the barcode ,otherwise the scanner can't read
3. the scanner must aim at the barcode and the beam must cover the whole barcode ,if don't ,Error maybe occur



### Notice :

1. The wireless barcode scanner has been set well before delivery ,it can be used directly . Please do not scan the barcode in the manual randomly to test. In case, the scanner cannot work in normal condition after scanning the setting barcodes . Please scan the 'initialization setting' barcode then scan the 'serial mode' barcode. And the Baud rate should be 57600bps.
2. the wireless adapter should be connected to the fixed computer USB interface ,Do not plug in or pull out the adapter frequently in order to help improving the working efficiency and avoid man-made damage

## Reset factory default

If need to reset the factory default , please scan the following three barcode in turn.



initialization setting



Serial mode



57600bps

## LED Indicator & Beeper

Indicator Light Color	Instruction
Green light and will be off soon	Reading successfully and comes a short beep
Red light always on	Charging (red light will be off when fully charged)
Blue light blinking (Bluetooth)	Press the button for 10 seconds. The blue light blinks and scanner enters into pairing mode. After pairing successfully, the blue light is on always.
Beep Sound	Instruction
A short beep	Reading successfully
A long beep	Auto shutdown and enter into sleep mode
Two short beep	Power on
Three short beep	Fail to upload data. Please pair again
Three long beep	Low power, please charge.

## Scanning Mode Setup

### Setup Instruction :

1. Normal mode means real-time transmission. Scan 'Normal Mode' bar code, the scanner will be in real-time transmission.
2. In inventory mode, the scanner will save the bar code it reads. When need to upload the data to computer, scan 'Data Upload' bar code.
3. Scan 'Total Number of Data' bar code, the computer will show how many bar codes the scanner reads under inventory mode.
4. Scan 'clear data' bar code means clear all the bar codes being read under inventory mode.



Normal Mode



Inventory Mode



Non-volatile Mode



Upload Data



Total Number of Data



Clear Data

# Sleep Time Settings (for wireless & Bluetooth)



Sleep Time

## Setup Instruction :

- 1. Scan 'Sleep Time' bar code
- 2. Scan the time you want to set. (If set the sleep time 60 seconds, the scanner will be power off after 60seconds)



20 seconds (Default)



30 seconds



60 seconds



2 minutes



5 minutes



10 minutes



20 minutes



no sleep

# Language selection



America default



Germany



France



Italy



Russia

Note :above language should be customized before delivery

# Bluetooth transmit speed control



Low speed



High speed (default)

# Shutdown /default value/version information



shutdown



default value



Software version



Hardware version

Function settings

Reading mode



Default reading mode



Continuous scan./  
Auto-sensing enable

Buzzer



ON



OFF

Add barcode ID



Close ID code  
(default)



Add ID code as prefix



Add ID code as suffix

Image identification



Front image identification



Inverse image identification

Code 39



Code 39 on



Code 39 off



Code 39 ID as 'm'



Code 39 Full  
ASCLL-on



Code 39 Full  
ASCLL-off



Code39 MOD43  
Verify Off



Code39 MOD43  
Verify On



Code39 transmit  
verify-On



Code39 transmit  
CHARS-Off



Code39 transmit  
CHARS-On



Code39  
redundancy enable



Code39  
redundancy disable



Covert code39 into  
code32 (DF)-disable



Covert code39 into  
code32-enable



Code39 TAB Mode

## UPC-A



UPC-A on



UPC-A off



UPCA ID as 'e'



Convert UPCA into  
EAN13 enable



Convert UPCA into  
EAN13 disable



Transmit UPCA  
check code



Transmit UPCA  
check code disable



UPCA hide system  
character-disable



UPCA hide system  
character-enable

## UPC-E



UPC-E on



UPC-E off



UPC-E ID as 'f'



Convert UPCE  
into UPCA -enable



Convert UPCE  
into UPCA -disable

## EAN13



EAN13 on



EAN13 off



EAN13 ID as 'd'



Transmit EAN13  
check code-enable



Transmit EAN13  
check code-disable



Convert EAN13  
into ISBN-enable



Convert EAN13  
into ISBN-disable



Convert EAN13  
into ISSN-disable



Convert EAN13  
into ISSN-enable



EAN13  
redundancy enable



EAN13  
redundancy disable

## EAN8



EAN8 /on



EAN8 /off



EAN8 ID as 'c'

## Supplements Settings



Supplements-5 digits



Supplements-2 digits



Supplements-2&5 digits



Supplements disable



### Code93



Code93 /on



Code93/ off



Code 93 ID as 'l'



Code93  
redundancy enable



Code93  
redundancy disable



Code 93 MOD47/on



Code 93 MOD47/off

### Code128



Code128/on



Code128/off



Code 128 ID 'a'



Code128  
redundancy disable



Code128  
redundancy enable

### Codabar



Codabar/on



Codabar/off



Codabar ID as 'v'



Codabar Send start/stop  
CHARS-enable



Codabar Send start/stop  
CHARS-disable



Codabar  
redundancy enable



Codabar  
redundancy disable

### Interleaved 25



Interleaved/ITF25-on



Interleaved/ITF25-off



ITF25 ID as 'n'



ITF25  
redundancy disable



ITF25  
redundancy enable



Industrial 25/ on



Industrial 25/ off



Industrial 25 ID as 'o'



Industrial 25  
redundancy enable



Industrial 25  
redundancy disable

### Code MSI



Code MSI/on



Code MSI/off



MSI ID as 's'



Code MSI  
redundancy disable



Code MSI  
redundancy enable

### Code Plessey



Code Plessey



Code Plessey/off



Code Plessey ID as 't'



Code Plessey  
redundancy disable



Code Plessey  
redundancy enable

## Code11



Code11/on



Code11/off



Code 11 ID as 'u'



Code11  
redundancy disable



Code11  
redundancy enable



Code11 auto CK verify



Code11 C verify



Code11 CK verify

## Matrix 25



Matrix 25/on



Matrix 25/off



Matrix 25 ID as 'q'



Postage Code 25/on



Postage Code 25/off



Postage  
Code 25 ID as 'r'



Aviation 25/on



Aviation 25/off



Aviation 25 ID as 'p'

## GS1



GS1 Omnidirectional/on



GS1 Omnidirectional/off



GS1 Omni ID as 'j'



GS1 Limited/on



GS1 Limited/off



GS1 Limited ID as 'k'

## FUNC



Cancel FUNC Mapping



Replace 'FUNC1' with '0'



Replace 'FUNC2' with '2'



Replace 'FUNC3' with '3'



Replace 'FUNC4' with '6'

## Front/Behind CHARS Settings



Hide CHARS-disable



Hide CHARS '-'



Replace '0'  
with 'A'-disable



Replace '0'  
with 'A'-enable

## Hide Characters



Hide the behind  
CHARS-disable



Hide the front  
CHARS-disable



Hide the middle  
characters-disable



Starting from the  
front fourth CHAR



Hide the last 5  
characters-enable



Hide the front 5  
characters-enable



Hide the middle 5  
characters-enable

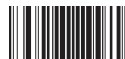
## Conversion of EAN, ISBN & ISSN



Convert all EAN  
into ISBN-enable



Convert all EAN  
into ISSN-enable



Convert all EAN  
into ISBN-disable



Convert all EAN  
into ISSN-disable

## Prefix & Suffix Setting



All codes add suffix CR



LF all codes add suffix ETX



All codes add suffix F2



All codes add prefix STX



All codes add suffix CR+CR



All codes add prefix F2



All codes add suffix  
format CHARS-disable



All codes add prefix disable



Set to add prefix



Set to add suffix



Quit out prefix and  
suffix adding mode











































































Clear all prefix CHARS








































































Clear all suffix CHARS

Alphabet

 SOH	 STX	 ETX
 EOT	 ENQ	 ACK
 BEL	 Backspace	 TAB
 LF	 VT	 FF
 CR	 SO	 SI
 DLE	 DC1	 DC2
 DC3	 DC4	 NAK
 SYN	 ETB	 CAN
 EM	 SUB	 ESC
 FS	 GS	 RS
 US	 SPACE	 !
 "	 #	 \$

 %	 &	 .
 (	 )	 *
 +	 ,	 -
 .	 /	 0
 1	 2	 3
 4	 5	 6
 7	 8	 9
 :	 ;	 <
 =	 >	 ?
 @	 A	 B
 C	 D	 E
 F	 G	 H

		
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U	V	W
		
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j	k	l

		
m	n	o
		
p	q	r
		
s	t	u
		
v	w	x
		
y	z	{
		
	}	~
		
Delete	F1	F2
		
F3	F4	F5
		
F6	F7	F8
		
F9	F10	F11
		
F12	INSERT	HOME
		
Page up	Delete	END

