3nStar
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SC455

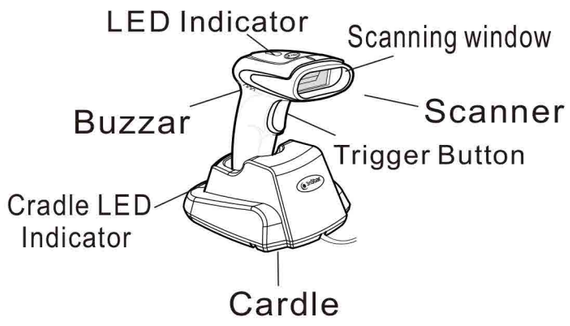
Wireless Handheld Barcode Scanner 2D USB with Base

User Manual

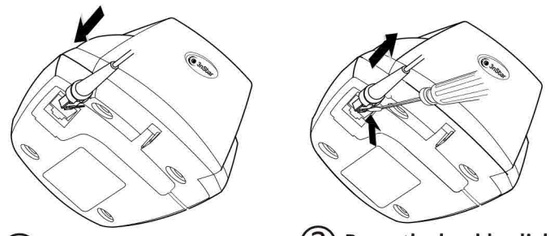
Wireless | 2D | V1.0

www.3nstar.com

1- Scanner Overview



2- Cable Plug & Unplug

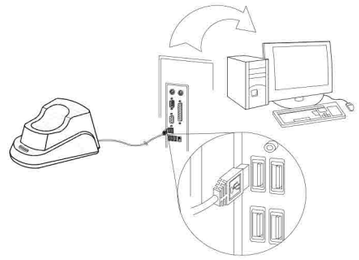


① Plug as picture above

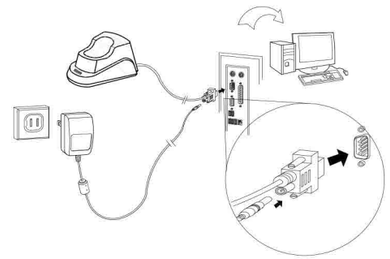
② Press the buckle click, then pull out the cable

3- Cable Connection Guide

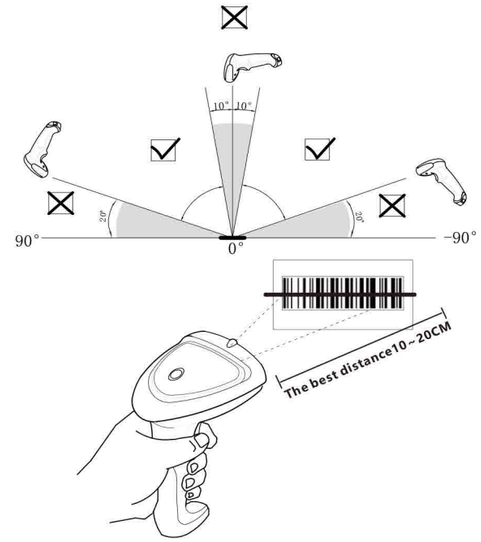
(1) USB Data cable



(2) RS232 Data cable



4- Scanning Method and Distance

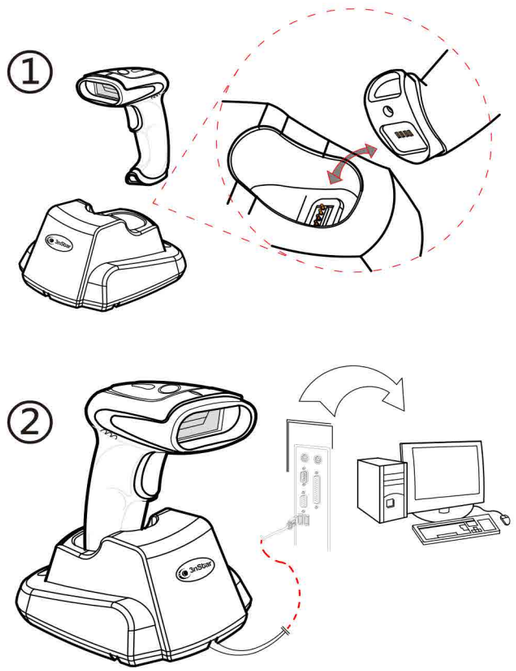


Correct

Wrong

NOTE: LED beam should be full coveraged on the bar code

5- Chargind Method



Wireless Settings

Setting Step

1 Scan the barcode of "Enter setting"

Enter setting (@SET)

2 Scan function bar code

Restore factory defaults

3 Scan "Exit and Save" Bar code

Exit and save (@END)

Note: All functions must be in accordance with the settings for The above process or scan the bar code setting function is invalid.

Pairing Guide

Method :

First step: Insert the cradle as above picture. the green light of the cradle will continue
(on not able to pair when green light flashing.) 。
Second step: After insert the cradle , it must be scan the below bar code within 20s

Pair in one step

①Transmitter (Scanner)

Working mode

Following working mode can be set directly.

***Real-time mode**

Inventory mode

Cache mode

Note:
Real time mode: Scan and transmit data will automatically lost if upload failed.
Cache mode: Same as real time mode if connection normal. Scan bar codes will be automatically restore if connection failed. Will upload one by one if connection return as normal.
Inventory Mode: Scanning bar codes will be restored without upload.
Will upload once scan "Upload data" barcode.
Will clear once scan "Clear data" .
Will check sum once scan" Data sum" .

②Inventory mode setting

Following working mode can be set directly.

Upload data

Data sum

Clear Data

Upload data: Bar code data will transmit to terminal once scan this bar code.
Date sum: Scan "Data sum" bar code to check the scanner restore data sum.
Clear data: Scan "Clear data" and clear all the restore data in scanner

3- Sleep Time Setting

The sleep time means the time between the last operation move and auto turn off the scanner. User able to scan the corresponding bar code of the sleep time which is needed to accomplish the sleep time setting.

Sleep time setting process:

Step1:Scan " SET "bar code , enter setting.
Step2:Scan the corresponding sleep time bar code to accomplish the setting.
Step3:Scan " END "bar code , finish setting.

20s

60s

3min

5min

15min

30min

None sleep

Receiver (Cradle)

Set interface mode

Receiver(Cradle) can upload data via USB keyboard or Rs232. Default is USB keyboard

USB Keyboard

Rs232

RS232 baud rate setting

Scanner baud rate setting should be same as receiver software.Default is 9600.

4800

***9600**

19200

115200

Barcode Settings

① Scanning Mode

***Trigger Mode**

If the Trigger Mode is enabled, you could activate the scanner by providing an external hardware trigger,or using a serial trigger command

Continue Mode

This set the scanner to work in Continue mode.

2- Set Suffix

Add CR

Add LF

Add CRLF

③ Code 39 Setting

Transmit Star/Stop Character

***Do not Transmit Star/Stop Character**

Enable Code 39 Full ASCII

Disable Code 39 Full ASCII

④ Illumination

***On**

Off

⑤ Video Reverse

On

***Off**

Light

LED Status	Description
Scanner	
Red light turn green	power on
Red light blinks	Pairing match
Green light blinks once	Upload successfully
Green light blinks twice	Upload failed
Green light on	Working normally
Red light on	Low battery
Blue light on	Charging normal
Green light on	Charging complete
Green light blinking	Pairing unsuccessful
Cradle	
Green light blinks 30s	Pairing state
Red light on	USB identify failed
Green light blinks once	Uploaded successfully
Green light on	Working normally

Buzzer

Scanner beeper mode	Description
Four Beeps	power On
Short three beeps	Pairing successfully
Short one beep	Scan and transmit successfully
Short three beeps	Data upload failed
short one beep	Power off
Long short beep	Enter Setting Mode

Buzzer

Craddle beeper mode	Description
Four Beeps	power On
Short one beep	Scan and transmit successfully

Troubleshooting Q&A:

Q1.:Cradle upload data via RS232,no data display when scan bar code.
A1: Should confirm interface is RS232(Refer to Interface Setting Mode).Should confirm scanner baud rate is same as Rs232 software.

Q2:Upload data via USB, no data upload and alarm buzzer after scanning bar code.

A2: Set scanner upload data interface as USB. Set scanner
working mode as real time mode.

Q3:Cradle LED not on when upload data via RS232.
A3: Refer to "Cable connection guide" to check power supply.