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**Manuale Lettore Barcode Laser  
1D2D TECNOACCESSORI®  
TC-BC2D-12W**

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## Enter Setting



%%EnterSet

Enter Setup Mode



%%ExitSet

Exit Setup Mode

Note: Wireless Version 1.18D later supports setting without entering or exiting settings.

### Restore Wireless Parameters

If in use of the process, accidentally scan to other function settings code, which led to the scanning function can not be used normally, through the scan initialization barcode to restore to the initialization state.



%%SpecCode93

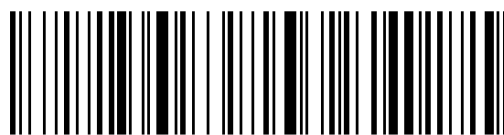
Restore Wireless Parameters

### Instructions:

This bar code is most likely to be used in the following situations:

1. Error in scanner setting.
2. You forget what settings you made for scanners before, and you don't want to use the previous settings.
3. Set up the scanner to use some unusual functions, and use after completion.

## Version



%%SpecCode39

Display version information

## Shut down

Users can set bar codes by referring to "automatic sleep time". When users do not need the scanner to be in working state, they first scan the "Enter Setting Mode" bar code, and then scan the "Shutdown Instruction" to set bar codes. When the settings are completed, the scanner will be shut down immediately.



%%SpecCode38

Shut down

## Power display

When users need to view the current scanner power, they can directly scan the "power display" set bar code, and view the current scanner power.



%%SpecCode15

Power display

## Symbologies

### Enable/disable all symbologies

Enable all barcode might slow down scanner decode speed. We suggest enable the barcode you need based on your scene. Enable all barcode is default



Enable all symbologies



Disable all symbologies

### Inverse code option

(Only 1D/DataMatrix/Aztec)



Only decode normal code (default)



Only decode inverse code



Decode both normal code and inverse code

## Pairing Steps

Scanner is well-paired before factory. Default mode is 2.4Ghz wireless. If you want to switch to Bluetooth mode, please go to “**Communication mode switching**” to set.

“**Force 2.4G Wireless Pairing**” and “**Force Bluetooth HID Pairing**” is used when you use a different dongle instead of the original one.

## Force 2.4G Wireless Pairing

For 2.4G matching steps, support XP, Win7, Win8, Win10, etc.

A: Start the scanner, scan “Enter Setup Mode” barcode



%%EnterSet

Enter Setup Mode

B: Scan “2.4G Mode” barcode



%%SpecCodeA8

2.4G Mode

C: Scan the "Match with Receiver" bar code and enter the pairing state. The blue light on the left flashes quickly.

Note: At this time, the scanner is in a paired state, and the scanner does not glow when pressing the key.



%%SpecCode99

Match with Receiver

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D: Insert Dongle (receiver) and hear a "drop" sound, indicating the success of the connection pairing. The blue indicator on the right is always on.

E: Scan the "Exit Setup Mode" bar code to complete the matching process.



%%ExitSet

Exit Setup Mode

## Force Bluetooth HID Pairing

Using Bluetooth mode, support Android, IOS system or PC terminal with Bluetooth function.

### Method 1:

A: Press the button to activate the scanner, press the button for **8 seconds**, and enter the Bluetooth HID pairing mode. The blue light starts to flash.

B: Turn Bluetooth on the device and search for "Barcode Scanner HID".

C: Click on the "Barcode Scanner HID" Bluetooth device to enter the pairing state.

d: Match success "Di" sound, the right blue light is always bright

### Method 2:

a: Start the scanner, scan "Enter Setup Mode" barcode



%%EnterSet

Enter Setup Mode

b: Scan the "Bluetooth HID mode" barcode



%%SpecCodeAA

Bluetooth HID Mode

c: Scan the "Pair With Dongle" , enter the pairing mode. The blue light starts to flash.



%%SpecCode99

Pair With Dongle

d: Open Bluetooth in the device and search and click the "Barcode scanner HID"

---

e: When you hear a long beep "Di", the blue light stopss flashing and is always on  
f: Scan "Exit Setup Mode" barcode



%%ExitSet

Exit Setup Mode

## **Android, IOS system keyboard settings (Bluetooth function)**

IOS keyboard out or hide (HID Mode)



%%SpecCode1A

Out Or Hide

Double click for out IOS keyboard (Only HID Mode)



%%SpecCode7B

Double click for out IOS keyboard

Double click for close IOS keyboard (Only HID Mode)



%%SpecCode7A

Double Click For Close IOS keyboard

For keyboard display of Android system, please contact the supplier for Bluetooth input method APP (because of Android system, some mobile phone manufacturers can display virtual keyboard when connecting Bluetooth scanner)

## **Communication mode switching**

a: Start the scanner and scan the "Enter Setup Mode" bar code



%%EnterSet

Enter Setup Mode

b: Scanning a Bar Code for a Communication Mode Based on Requirements



%%SpecCodeA8

2.4G Mode



%%SpecCodeAA

Bluetooth HID Mode



%%SpecCodeAB

Bluetooth SPP Mode



%%SpecCodeAC

Bluetooth BLE Mode

c: Scan the "Exit Setup Mode" bar code and set up the communication mode to complete.



%%ExitSet

Exit Setup Mode



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## Wireless transmission mode

The barcode scanner has two operating modes: Synchronous Mode and storage mode, through a different set code to operate the mode switch:

- a: First scan "Enter setup mode" barcode
- b: Scan the required operating mode barcode
- c: Scan "Exit Set mode" barcode to switch the desired mode of operation

## Real-time upload mode



%%SpecCode10

Real-time upload mode\*

## Storage mode

Scan "storage mode" sets bar code to store data and upload later.



%%SpecCode11

Storage mode

## Data upload

Scanning "data upload" to upload data to computers or mobile devices.



%%SpecCode16

Data upload

---

## Total data

Scanning "Total Data" to show the total amount of stored data



%%SpecCode17

Total data

## Clear all data



%%SpecCode18

Clear data

---

## Transmission Speed Setting

a: Start the scanner and scan the "Enter Setup Mode" barcode



%%EnterSet

Enter Setup Mode

b: Select the desired keyboard language



%%SpecCodeB0

Fast



%%SpecCodeB2

Low



%%SpecCodeB1

Medium



%%SpecCodeB3

Very Low

c: scan "Exit Setup Mode" barcode



%%ExitSet

Exit Setup Mode

---

## Set Bluetooth Name

A: start scanning scanner, "enter setup mode" bar code



%%EnterSet

enter setup mode

B: Scan "Set Bluetooth Name" Barcode



%%SpecCodeEC

Set Bluetooth Name

C: Scan Bluetooth Name Barcode

Note: The default name of Bluetooth is "Barcode Scanner". After this step is set, the bar code will be set to the name of Bluetooth.

A) Names can only be set to **16 bytes** at most. If the name bar code exceeds 16 bytes, the first 16 bytes are used as Bluetooth names by the scanner.

B) The complete name of Bluetooth includes: Bluetooth name + protocol type, which only supports modification of Bluetooth name. After changing the Bluetooth name, the names of all Bluetooth protocols have changed.

For example, if the Bluetooth name is "Scanner", then the Bluetooth HID name is "Scanner HID", the SPP name is "Scanner SPP", and the BLE name is "Scanner BLE".



Scanner

Sample Bluetooth Name "Scanner"

C: Scan "Exit Setup Mode" bar code, set successfully.



%%ExitSet

Exit Setup Mode



---

## Sound setting

A: Start the scanner and scan into the setup mode barcode



%%EnterSet

Enter Setup Mode

B: Select the appropriate sound size or frequency to scan according to the needs and set the bar code



%%SpecCode94

turn sound off



%%SpecCode96

Middle volume



%%SpecCode95

Low volume



%%SpecCode97

High volume \*

C: Scan "Exit Settings Mode" bar code, set successfully.



%%ExitSet

Exit Setup Mode

---

## Sleep time setting

a: Start the scanner and scan into the setup mode barcode



%%EnterSet

Enter Setup Mode

b: Select the sleep interval bar code



%%SpecCode30

Sleep interval 30s



%%SpecCode32

Sleep interval 2min



%%SpecCode34

Sleep interval 10min



%%SpecCode36

Never Sleep



%%SpecCode31

Sleep interval 1min



%%SpecCode33

Sleep interval 5min



%%SpecCode35

Sleep interval 30min



%%SpecCode38

Sleep Immediately

c: scan "Exit Setup Mode" barcode



%%ExitSet

Exit Setup Mode

---

## Language Settings

a: Start the scanner and scan into the setup mode barcode



%%EnterSet

Enter Setup Mode

b: Select the desired keyboard language



%%SpecCode40

Russian



%%SpecCode41

Germany



%%SpecCode43

Spanish



%%SpecCode45

Japanese



%%SpecCode46

Belgian

c: scan "Exit Setup Mode" barcode



%%SpecCode40

English



%%SpecCode42

French



%%SpecCode44

Italian



%%SpecCode47

Belgian





%%ExitSet

Exit Setup Mode

Note: The international general keyboard supports all PC-side small languages.

## To output correct Russian Cyrillic:

Step 1: Set “Russian keyboard language”



%%SpecCode4C

Step 2: Scan the following two barcodes

Input GBK code:



%%SpecCodeB5

Input UTF code:



%%SpecCodeB4

---

## Suffix setting

A: Start the scanner and scan the "Enter Setup Mode" bar code



%%EnterSet

Enter Setup Mode

B: Select the appropriate terminator to scan according to the requirement and set the bar code. The default is CR.



%%SpecCode9C

Add CR\*



%%SpecCode9D

Add LF



%%SpecCodeA2

Add TAB



%%SpecCode9E

Add CR+LF



%%SpecCode9F

None

C: Scan "Exit Setup Mode" bar code, complete settings



%%ExitSet

C: Scan "Exit Setup Mode" bar code, complete settings

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## Add prefix and suffix settings

This product supports up to 32 byte prefix and suffix settings.

A: Start the scanner and scan the "Enter Setup Mode" bar code



%%EnterSet

Enter Setup Mode

B: Select the appropriate bar code to scan according to the requirements, and set the prefix and suffix to add.



%%SpecCode9A

Set prefix



%%SpecCode9B

Set suffix

C: Scan "Exit Settings Mode" bar code, complete settings



%%ExitSet

Exit Setup Mode

## Setting the prefix and suffix steps

- Step 1: First scan the "Enter Settings Mode" bar code;
- Step 2: Scan the "Set Prefix" or "Set Suffix" barcodes;
- Step 3: Scanning the barcode corresponding to the characters that need to be added according to Appendix-Character Table;
- Step 4: Scan the "Exit Settings Mode" bar code to complete the settings.

## Cancel the prefix and suffix steps

- Step 1: First scan the "Enter Settings Mode" bar code;
- Step 2: Scan the "Set Prefix" or "Set Suffix" barcodes;
- Step 3: Scan the "Exit Settings Mode" bar code to complete the settings.

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## Hidden Character Settings

This product supports hiding up to four characters before and after

A: Start the scanner and scan the "Enter Setup Mode" bar code



%%EnterSet

Enter Setup Mode

B: Select the appropriate settings to scan the barcode according to the requirements, and set the front or back of the hidden barcode.



%%SpecCodeA0

Hidden Bar Code Front



%%SpecCodeA1

Hide the back of the bar code

C: Select the appropriate bar code to scan and set the number of hidden characters according to the requirement



%%01

Hide 1 bits



%%03

Hide 3 bits



%%02

Hide 2 bits



%%04

Hide 4 bits

C: Scan "Exit Settings Mode" bar code, complete settings








%%ExitSet

Exit Setup Mode



# Appendix - Character List

| Serial number | character  | 2D Setup Code   | Serial number | character | 2D Setup Code   |
|---------------|------------|---|---------------|-----------|---|
| 1             | SOH        | <br>%%01   | 9             | Tab       | <br>%%09   |
| 2             | ^B         | <br>%%02   | 10            | LF        | <br>%%0A   |
| 3             | ^C         | <br>%%03   | 11            | VT        | <br>%%0B   |
| 4             | EOT        | <br>%%04 | 12            | FF        | <br>%%0C |
| 5             | ENQ        | <br>%%05 | 13            | CR        | <br>%%0D |
| 6             | ACK        | <br>%%06 | 14            | F1        | <br>%%0E |
| 7             | BEL        | <br>%%07 | 15            | F2        | <br>%%0F |
| 8             | Back Space | <br>%%08 | 16            | F3        | <br>%%10 |

|    |     |   |    |             |   |
|----|-----|---|----|-------------|---|
| 17 | F4  |    | 26 | SUB         |    |
|    |     | %%11  |    |             | %%1A  |
| 18 | F5  |    | 27 | Esc         |    |
|    |     | %%12  |    |             | %%1B  |
| 19 | F6  |    | 28 | Right Arrow |    |
|    |     | %%13  |    |             | %%1C  |
| 20 | F7  |    | 29 | Left Arrow  |    |
|    |     | %%14  |    |             | %%1D  |
| 21 | F8  |   | 30 | Up Arrow    |   |
|    |     | %%15  |    |             | %%1E  |
| 22 | F9  |  | 31 | Down Arrow  |  |
|    |     | %%16  |    |             | %%1F  |
| 23 | F10 |  | 32 | 空格          |  |
|    |     | %%17  |    |             | %%20  |
| 24 | F11 |  | 33 | !           |  |
|    |     | %%18  |    |             | %%21  |
| 25 | F12 |  | 34 | "           |  |
|    |     | %%19  |    |             | %%22  |

|    |    |      |    |   |      |
|----|----|------|----|---|------|
| 35 | #  |      | 44 | , |      |
|    |    | %%23 |    |   | %%2C |
| 36 | \$ |      | 45 | - |      |
|    |    | %%24 |    |   | %%2D |
| 37 | %  |      | 46 | . |      |
|    |    | %%25 |    |   | %%2E |
| 38 | &  |      | 47 | / |      |
|    |    | %%26 |    |   | %%2F |
| 39 | '  |      | 48 | 0 |      |
|    |    | %%27 |    |   | %%30 |
| 40 | (  |      | 49 | 1 |      |
|    |    | %%28 |    |   | %%31 |
| 41 | )  |      | 50 | 2 |      |
|    |    | %%29 |    |   | %%32 |
| 42 | *  |      | 51 | 3 |      |
|    |    | %%2A |    |   | %%33 |
| 43 | +  |      | 52 | 4 |      |
|    |    | %%2B |    |   | %%34 |



53

5



%%35

62

>



%%3E

54

6



%%36

63

?



%%3F

55

7



%%37

64

@



%%40

56

8



%%38

65

A



%%41

57

9



%%39

66

B



%%42

58

:



%%3A

67

C



%%43

59

;



%%3B

68

D



%%44

60

<



%%3C

69

E



%%45

61

=



%%3D

70

F



%%46

71

G



%%47

80

P



%%50

72

H



%%48

81

Q



%%51

73

I



%%49

82

R



%%52

74

J



%%4A

83

S



%%53

75

K



%%4B

84

T



%%54

76

L



%%4C

85

U



%%55

77

M



%%4D

86

V



%%56

78

N



%%4E

87

W



%%57

79

O



%%4F

88

X



%%58

89

Y



%%59

98

b



%%62

90

Z



%%5A

99

c



%%63

91

[



%%5B

100

d



%%64

92

\



%%5C

101

e



%%65

93

]



%%5D

102

f



%%66

94

^



%%5E

103

g



%%67

95

\_



%%5F

104

h



%%68

96

`



%%60

105

i



%%69

97

a





















%%61

106

j



%%6A

|     |   |   |     |   |   |
|-----|---|---|-----|---|---|
| 107 | k |    | 116 | t |    |
|     |   | %%6B  |     |   | %%74  |
| 108 | l |    | 117 | u |    |
|     |   | %%6C  |     |   | %%75  |
| 109 | m |    | 118 | v |    |
|     |   | %%6D  |     |   | %%76  |
| 110 | n |    | 119 | w |    |
|     |   | %%6E  |     |   | %%77  |
| 111 | o |   | 120 | x |   |
|     |   | %%6F  |     |   | %%78  |
| 112 | p |  | 121 | y |  |
|     |   | %%70  |     |   | %%79  |
| 113 | q |  | 122 | z |  |
|     |   | %%71  |     |   | %%7A  |
| 114 | r |  | 123 | { |  |
|     |   | %%72  |     |   | %%7B  |
| 115 | s |  | 124 |   |  |
|     |   | %%73  |     |   | %%7C  |

---

125

}



%%7D

126

~



%%7E

127

DEL



%%7F