RIOTEC

Bluetooth CCD Pocket barcode scanner

Quick Guide

Model no.: iDC9600C

Introduction

Designed primarily for POS retail/inventory environments, the iDC9600C is a Bluetooth pocket barcode scanner that allows you to scan various barcoded items.
Its in-built excellent CCD engine allows you to reliably read 1D barcodes on various shapes and is a great space-saver for busy or limited workspaces.
It supports iOS, Android, and Windows devices through BT HID or BT SPP communication.

Delivery content
* Pocket Barcode scanner x 1
* Mini USB cable x 1 (for charging only)
* Quick instructions x 1
* Strap x 1

Limited Warranty
Riotec provide one-year limited warranty.
Riotec will not warranty any product which has been subjected to improper usage, neglect or unauthorized repair or installation.
Besides, warranty does not cover the faulty usages or consumable parts.
(Cable & battery are consumable.)

Safety instructions
Read the operating instructions carefully and especially observe the safety information.
If you do not follow the safety instructions and information on proper handling in this manual, we assume no liability for any resulting personal injury or damage to property.

* Don't put scanner in places excessively high temperatures, such as expose under direct sunlight
* Don't use scanner in extremely humid area or drastic temperature change
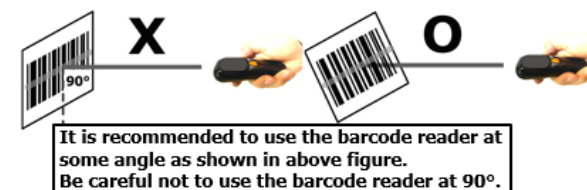* The rechargeable battery is permanently built into the product and cannot be replaced.
Never damage the rechargeable battery. Damaging the casing of the rechargeable battery might cause an explosion or a fire!

Operating elements

** Please switch ON and charge scanner for 3~4 hours at first time before use.

Exit Window

The button to raise/lower ON-Screen Keyboard (refer to left column of page #6)

SCAN/ENTER/Power ON Button

Power Saving button: Press the button for 2~3 seconds then enter power saving mode

Indicator (LED)

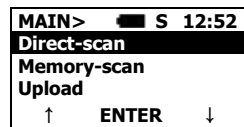Mini USB port with protective cover charge scanner via mini USB host cable

* **In the beginning, you must press the orange trigger button for 8 seconds to turn on the pocket barcode scanner. Then, press it for scanning barcodes & waking up from sleeping mode.**
* **If you won't use pocket scanner for quite a long time, you can press 2 grey buttons to enter "Deep Sleep Mode" (like turn-off).**

It is recommended to use the barcode reader at some angle as shown in above figure.
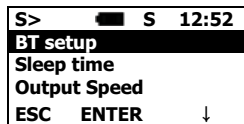Be careful not to use the barcode reader at 90°.

How to Connect to Smartphone or Tablet

1. Make sure your device supports BT HID or BT SPP profile
2. Turn off Power-Saving mode on your smartphone/tablet first
3. Then, choose HID or SPP device before connecting to smartphone/tablet. If you don't know what profile your device is, please try HID profile first, then, SPP profile.
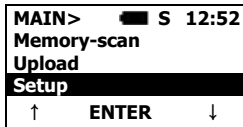
1. Main MENU

```
MAIN>     ▬ S  12:52
Direct-scan
Memory-scan
Upload
    ↑     ENTER     ↓
```

2. select **Setup**

```
MAIN>     ▬ S  12:52
Memory-scan
Upload
Setup
    ↑     ENTER     ↓
```

3. select **BT setup**

```
S>        ▬ S  12:52
BT setup
Sleep time
Output Speed
ESC    ENTER        ↓
```
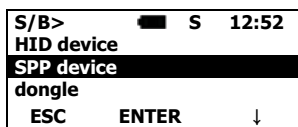
After you select what you want, press the orange button to enter the next or ESC button back to the previous.

How to connect to SPP or HID device

SPP device (from A1 to A2); HID device (from B1 to B3)

A1. select **SPP device**

```
S/B>      ▬ S   12:52
HID device
SPP device
dongle
ESC    ENTER        ↓
```

B1. select **HID device**

```
S/B>      ▬ S   12:52
HID device
SPP device
dongle
ESC    ENTER        ↓
```

A2. select **Simple pairing** or **Pairing**

```
S/B/S>    ▬ S   12:52
Simple pairing
Pairing

ESC    ENTER        ↓
```

B2. select **Simple pairing** or **Pairing**

```
S/B/H>    ▬ S   12:52
Simple pairing
Pairing

ESC    ENTER        ↓
```
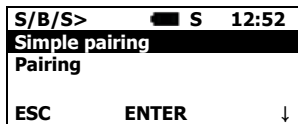
A3. Setting … Completed.

```
Setting …
          Completed!!!

```
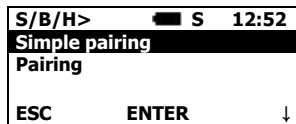
B3. Setting … Completed.

```
Setting …
          Completed!!!

```

After you select what you want, press the orange button to enter the next or ESC button back to the previous.

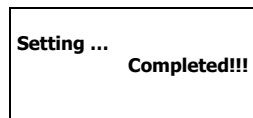| 1. click the "Settings"	2. click "General"

3. click "Bluetooth"	4. Turn it ON, and search the Devices

5. Select "Rxxxxxx" to connect	6. When see the "Connected" means the connection is OK.

(example: pairing with iPhone)

4. Please complete the connection procedures as the above photos.
5. After the connection is completed, the RED light will be **OFF**.
6. Before using WordPad or appropriate APP, Then, scan the barcodes and the barcode data will show on the cursor side.

Notes:

* This product complies with Bluetooth standards. This device that communicated with this product must support the same SPP or HID. For other Bluetooth devices with other profiles we cannot guarantee a connection before the product has been tested.
* The communication speed and range of the product may vary due to obstacles and radio wave condition between the product and device to which it is connected. Condition on the host device may also affect the communication speed and range of the scanner.

LED Indicator Information	
Orange LED ON	Full charged
Orange LED Flashing	Charging / Low battery
Red LED ON	Offline / out of service
Green LED ON	Good read
Orange LED ON	Good read (Batch mode)

Remark:

* When the battery power is too low, the Orange LED will flash and beep once. Scanner should be charged immediately.
* In case the power consumed out totally; the RTC (Real Time Clock) will back to original setting 01012000.
* If scanner shuts down it is recommended to charge it fully before turning it back on.
* Under power-saving mode, there will not be LED indication when charging.

Reset Configuration to Defaults

(scan from A1 to A4 for HID profile or B1 to B5 for SPP profile)

HID profile	SPP profile

There are two operating modes on the scanner

1. Direct-scan Mode

1. select **Direct-scan**

```
MAIN>        H 12:52
Direct-scan
Memory-scan
Upload
   ↑     ENTER     ↓
```

2b. BT is disconnected.

```
D>        H 12:52
Off  line !!!
        ...Linking!

ESC
```

2a. BT connected, begin to scan the barcodes

```
D>        H 12:52



ESC     SCAN
```

If BT is disconnected, please back to page #2 and do the pairing procedure again.

2. Memory-scan Mode

1. select **Memory-scan**

```
MAIN>        H 12:52
Direct-scan
Memory-scan
Upload
   ↑     ENTER     ↓
```

2. begin to scan the barcodes

```
M>        H 12:52



ESC     SCAN
```

Under Memory-scan mode, enable/disable "Quantity entry" function

Disable "Quantity entry" (default)

1. disable "Quantity entry" Setting code

2. begin the scan the barcodes

```
M>        H 12:52



ESC     SCAN
```

3. press **DEL** to delete the last barcode data

```
M>        H 12:52
1234567



ESC     SCAN     DEL
```

4. be sure that you want to delete the last barcode.

```
M>        H 12:52
The  last  code
Will  be  deleted !
Are  you  sure ?
NO               YES
```

Enable "Quantity Entry" function,
decide the order of the output data to your device first

1. Q'ty first, then, barcode

2. Barcode first, then, Q'ty

3. Enable "Quantity Entry" Setting code

4. begin the scan the barcodes

```
M>        H 12:52
Scan code:

Q'ty:
ESC     SCAN
```

When "Quantity Entry" is enabled, decide how to type-in the number.

By button (default)
C1. enable

By scanning the number code
D1. enable

C2. scan the barcode

```
M>        H 12:52
1234567

Q'ty: 1
ESC     SCAN     ENTER
```

D2. scan the barcodes

```
M>        H 12:52
7654321

Q'ty:  1
ESC     SCAN     ENTER
```

C3. Press the ENTER to type the q'ty

```
M>        H 12:52
1234567

Q'ty: 1
ESC     SCAN     ENTER
```

D3. Press the ENTER to type the q'ty

```
M>        H 12:52
7654321

Q'ty:  1
ESC     SCAN     ENTER
```

C4. press ↓ to choose number, then, press ENTER to confirm

```
M>        H 12:52
1234567

Q'ty: 5---
ESC     ENTER     ↓
```

D4. scan numeric code (page #5)

```
M>        H 12:52
7654321

Q'ty: 5---
ESC     SCAN
```

5. Then, scan the next barcode

```
M>        H 12:52
SCAN:

Q'ty:
ESC     SCAN
```

5. end by **X** code, then, be ready to scan the next

```
M>        H 12:52
SCAN:

Q'ty:
ESC     SCAN
```

Upload data (Memory-scan)

1. press **ESC,** select **Upload**

```
MAIN>        H 12:52
Direct-scan
Memory-scan
Upload
   ↑     ENTER     ↓
```

2. BT connected, press **START** to send data

```
U>        H 12:52
Push START key
to send data...

ESC     START
```

3. After data upload, press **ERASE** to delete memory data

```
U>        H 12:52



ESC     SPEED     ERASE
```

4. be sure that you want to delete memory data.

```
U/E>        H 12:52
Data  in  memory
  Will  be  erased!
Are  you  sure?
NO               YES
```

5. After you delete the memory data, it will be back to **MAIN MENU**

Switch from Memory-scan to Direct-scan mode

1. switch **Memory-scan** to **Direct-scan** mode

```
D>        H 12:52
Data in memory
will be erased!
Are you sure?
NO               YES
```

2. must **delete** all data in the memory

```

        Completed!!!

```

3. begin to scan the barcode

```
D>        H 12:52



ESC     SCAN
```

Power-saving Mode

1. Main MENU

```
MAIN>        H 12:52
Direct-scan
Memory-scan
Upload
   ↑     ENTER     ↓
```

2. select **Setup**

```
MAIN>        H 12:52
Memory-scan
Upload
Setup
   ↑     ENTER     ↓
```

3. select **Sleep time**

```
S>        H 12:52
BT setup
Sleep time
Output Speed
ESC     ENTER     ↓
```

4. press ↓, decide the time to enter sleeping mode

```
S/P/S>        H 12:52
Sleep  time
          00

ESC     ENTER     ↓
```

* When charging, the scanner will not enter power-saving mode automatically.

Transmission Speed

Transmission speed is dependent on your device. In order not to lose data, please choose the correct speed.

1. Main MENU

```
MAIN>    ▬ H  12:52
Direct-scan
Memory-scan
Upload
   ↑      ENTER      ↓
```

2. select **Setup**

```
MAIN>    ▬ H  12:52
Memory-scan
Upload
Setup
   ↑      ENTER      ↓
```

3. select **Output Speed**

```
S>       ▬ H  12:52
BT Status
Sleep time
Output Speed
ESC    ENTER      ↓
```

4. select **the speed type,**

```
S/O>     ▬ H  12:52
Unlimited
Extra high
High
ESC    ENTER      ↓
```

RTC (Real-time clock)

1. Main MENU

```
MAIN>    ▬ H  12:52
Direct-scan
Memory-scan
Upload
   ↑      ENTER      ↓
```

2. select **Setup**

```
MAIN>    ▬ H  12:52
Memory-scan
Upload
Setup
   ↑      ENTER      ↓
```

3. select **Time setup**

```
S>       ▬ H  12:52
Sleep time
Output Speed
Time setup
ESC    ENTER      ↓
```

4. select **Stamp**

```
S/T>     ▬ H  12:52
Stamp
Format
Date adj.
ESC    ENTER      ↓
```

5. select **Date Stamp**

```
S/T/S>   ▬ H  12:52
Date Stamp
Time Stamp
Interval char.
ESC    ENTER      ↓
```

6. Date Stamp is on or off.

```
S/T/S/D> ▬ H  12:52
Date Stamp

         On
         Off
ESC    ENTER      ↓
```

7. press **ESC,** select **Time Stamp**

```
S/T/S/T> ▬ H  12:52
Date  Stamp
Time  Stamp
Interval char.
ESC    ENTER      ↓
```

8. Time Stamp is on or off

```
S/T/S/T> ▬ H  12:52
Time  Stamp
         On
         Off
ESC    ENTER      ↓
```

9. press **ESC,** select **Interval char.**

```
S/T/S>   ▬ H  12:52
Date  Stamp
Time  Stamp
Interval char.
ESC    ENTER      ↓
```

8. select **Interval char.**

```
S/T/S/P  ▬ H  12:52
>
Interval char.

,

ESC    ENTER      ↓
```

The format of Date setting

1. Main MENU

```
MAIN>    ▬ H  12:52
Direct-scan
Memory-scan
Upload
   ↑      ENTER      ↓
```

2. select **Setup**

```
MAIN>    ▬ H  12:52
Memory-scan
Upload
Setup
   ↑      ENTER      ↓
```

3. select **Time setup**

```
S>       ▬ H  12:52
Sleep time
Output Speed
Time setup
ESC    ENTER      ↓
```

4. select **Format**

```
S/T>     ▬ H  12:52
Stamp
Format
Date adj.
ESC    ENTER      ↓
```

5. select the format of date

```
S/T/F>   ▬ H  12:52
MM/DD/YY
DD/MM/YY
YY/MM/DD
ESC    ENTER      ↓
```

Date setting

1. Main MENU

```
MAIN>    ▬ H  12:52
Direct-scan
Memory-scan
Upload
   ↑      ENTER      ↓
```

2. select **Setup**

```
MAIN>    ▬ H  12:52
Memory-scan
Upload
Setup
   ↑      ENTER      ↓
```

3. select **Time setup**

```
S>       ▬ H  12:52
Sleep time
Output Speed
Time setup
ESC    ENTER      ↓
```

4. select **Date adj.**

```
S/T>     ▬ H  12:52
Stamp
Format
Date adj.
ESC    ENTER      ↓
```

5. Set the date, press ↓ to select number, then, press **ENTER** to go to the next

```
S/T/D>   ▬ H  12:52
Year   (00-99) : 11
Month  (01-12) : 12
Date   (01-XX) : 02
ESC    ENTER      ↓
```

6. Save the date data

```
Save  it ?


NO              YES
```

Time setting

1. Main MENU

```
MAIN>    ▬ H  12:52
Direct-scan
Memory-scan
Upload
   ↑      ENTER      ↓
```

2. select **Setup**

```
MAIN>    ▬ H  12:52
Memory-scan
Upload
Setup
   ↑      ENTER      ↓
```

3. select **Time setup**

```
S>       ▬ H  12:52
Sleep time
Output Speed
Time setup
ESC    ENTER      ↓
```

4. select **Clock adj.**

```
S/T>     ▬ H  12:52
Format
Date adj.
Clock adj.
ESC    ENTER      ↓
```

5. set the time. Press ↓ to select the number, then, press the **ENTER** to go the next

```
S/T/T>   ▬ H  12:52
Hour    (00-23) : 00
Min     (00-59) : 00
Sec     (00-59) : 00
ESC    ENTER      ↓
```

6. save the time setting

```
Save  it ?


NO              YES
```

Trigger Mode

Trigger always
(Trigger available at any time)

Trigger standard **(Default)**
(Trigger available, after data sent to the device)

Multi-language UI setting

(can be changed to different UI by reading the below setting code)

Germany UI

Japan UI

English UI **(Default)**

Spain UI

How to append a "prefix" or a "suffix" to the barcode data

prefix

suffix

1. Scan above configuration code for Prefix or Suffix
2. Enter the required values (right, numeric barcode) for Prefix or Suffix using the hex values for the desired HEX values from Prefix & Suffix TABLE (below page)"
3. Then, end by scanning Code X (below, right)

* The max. of special characters is 5.
* When you append 1~4 required values for Prefix or Suffix, it must end with Code X.
* It doesn't need Code X, if you append 5 values to barcode data.

How to delete Prefix or Suffix

1. Scan above configuration code for Prefix or Suffix
2. Enter the "0" "0" (above, right)
3. Then end by scanning Code X (below, right)

Numeric barcode for settings

0	6	C
1	7	D
2	8	E
3	9	F
4	A	
5	B	X

Prefix & Suffix TABLE

HEX	HID (SPP)	HEX	HID (SPP)	HEX		HEX		HEX		HEX	
01	CTRL A (SOH)	19	CTRL Y (EM)	20	SPACE	38	8	50	P	68	h
02	CTRL B (STX)	1A	CTRL Z(SUB)	21	!	39	9	51	Q	69	i
03	CTRL C (ETX)	1B	ESC (ESC)	22	"	3A	:	52	R	6A	j
04	CTRL D (EOT)	1C	CTRL \ (FS)	23	#	3B	;	53	S	6B	k
05	CTRL E (ENQ)	1D	CTRL] (GS)	24	$	3C	<	54	T	6C	l
06	CTRL F (ACK)	1E	CTRL ^ (RS)	25	%	3D	=	55	U	6D	m
07	CTRL G (BEL)	1F	CTRL _ (US)	26	&	3E	>	56	V	6E	n
08	Backspace (BS)			27	'	3F	?	57	W	6F	o
09	Tab (HT)	HEX	HID Only	28	(	40	@	58	X	70	p
0A	CTRL J (LF)	80	F1	29	)	41	A	59	Y	71	q
0B	CTRL K (VT)	81	F2	2A	*	42	B	5A	Z	72	r
0C	CTRL L (FF)	82	F3	2B	+	43	C	5B	[	73	s
0D	Enter (CR)	83	F4	2C	,	44	D	5C	\	74	t
0E	CTRL N (SO)	84	F5	2D	-	45	E	5D	]	75	u
0F	CTRL O (SI)	85	F6	2E	.	46	F	5E	^	76	v
10	CTRL P (DLE)	86	F7	2F	/	47	G	5F	_	77	w
11	CTRL Q (DC1)	87	F8	30	0	48	H	60	`	78	x
12	CTRL R (DC2)	88	F9	31	1	49	I	61	a	79	y
13	CTRL S (DC3)	89	F10	32	2	4A	J	62	b	7A	z
14	CTRL T (DC4)	8A	F11	33	3	4B	K	63	c	7B	{
15	CTRL U (NAK)	8B	F12	34	4	4C	L	64	d	7C	|
16	CTRL V (SYN)			35	5	4D	M	65	e	7D	}
17	CTRL W (ETB)			36	6	4E	N	66	f	7E	~
18	CTRL X (CAN)			37	7	4F	O	67	g		

Keyboard Country

Scan the appropriate country code below to program the keyboard for your country or language. As a general rule, the following characters are not supported by the scanner for countries other than the United States:
@ | $ # { } [ ] = / ` \ < > ~

Follow the steps mentioned below to program.

1. Keyboard Country setting code.
2. "Select Country Code"

Read numeric barcode (according to country code).

Country/ Language	No.	Country/ Language	No.	Country/ Language	No.
U.S.	10	Netherlands	26	Switzerland French	45
Latin America	11	Hungary	27	Switzerland German	46
Brazil	12	Italian	28	Sweden	47
Belgium	20	Icelandic	29	Turkey F	48
Bulgarian Latin	21	Norway	30	Turkey Q	49
Denmark	22	Poland	41	Japan	71
Finland	23	Portugal	42	Korea	72
France	24	Russia	43	Thai	73
Germany	25	Spain	44	Vietnam	74

Soft-Keyboard setting code for Android / iOS

For Android

For iOS

*   **Under Android system:**
    If you want to raise/lower soft-keyboard, please read the above setting code first. Then, press left button for 2 seconds to raise keyboard (refer to drawing #5 on page #1, LED is RED /Bluetooth is offline), press it again to lower keyboard (LED is off/ Bluetooth is online).
    *It will take 5~10 seconds to make BT online/offline.
    *Please be noted that when BT is offline, scanning function is stopped.
*   **Under iOS system:**
    If you want to raise/lower soft-keyboard, please read the above setting
    code first. Then, press Left button for 2 seconds to raise/lower soft-Keyboard;
    Press the left button for 4 seconds to un-pair. Then, scanner can be connected with other BT device.

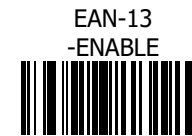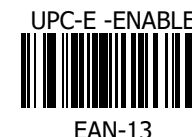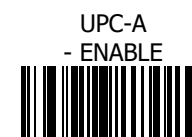## 1D Symbologies – 1

CODE 11
- ENABLE

CODE 11

CODE 11
- DISABLE

CODE 39
- ENABLE

CODE 39

CODE 39
- DISABLE

FULL ASCII
- ENABLE

FULL ASCII
- DISABLE

CODE 93
- ENABLE

CODE 93

CODE 93
- DISABLE

CODABAR
- ENABLE

CODABAR

CODABAR
-DISABLE

1D Symbologies – 2

I2OF5
- ENABLE

INTERLEAVED 2 OF 5

I2OF5
- DISABLE

ID2OF5
-ENABLE

INDUSTRIAL 2 OF 5

ID2OF5
- DISABLE

MSI
- ENABLE

MSI

MSI
- DISABLE

UPC-A
- ENABLE

UPC/EAN

UPC-A
-DISABLE

UPC-E -ENABLE

UPC-E
-DISABLE

EAN-13
-ENABLE

EAN-13
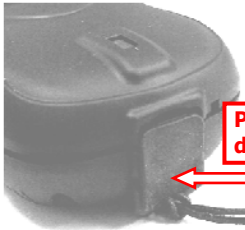-DISABLE
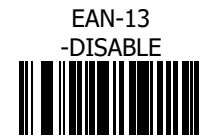
1. Pull out the USB cover its slot

2. Press inward firmly on the USB cover to reattach it
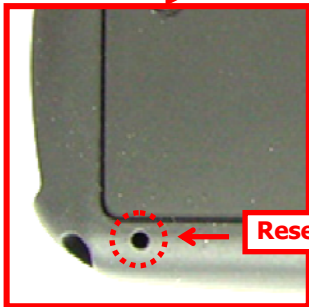

Pressing direction

Top   Bottom

Reset

Insert a thin object (e.g. a bent paper clip) into the small hole.
To click the reset button inside

R_180807_01