Bluetooth CCD
Pocket barcode scanner

Quick Guide

Model no.: iDC9507A

Introduction

Designed primarily for P.O.S. retail environments, the iDC9507A 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 Bluetooth HID or 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 provides 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.)

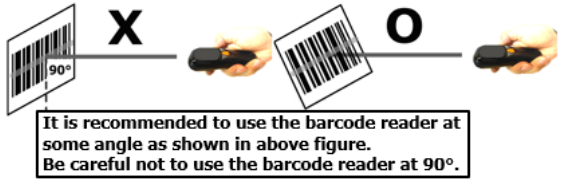
Safety instructions

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

* In the beginning, please press orange button for 8 seconds to turn it on. (If not, please charge it for 10 minutes and do it again.)
* Then, charge scanner for 3~4 hours before use.
* User can press right grey button for 2~3 seconds to enter power-saving mode. (sleep mode)
  Or, presses left & right grey keys together for 8 seconds to turn it off.



How to Connect to Smartphone or Tablet

1. Make sure your device has HID or SPP profile
2. Turn off Power-Saving mode on your smartphone/tablet first
3. Then, choose HID or SPP profile and scans the following 2 setting codes before connecting to smartphone/tablet. (A1 → A2 or B1 → B2)
   If you don't know what profile your device is, please try HID profile first, then, SPP profile.

HID profile

A1

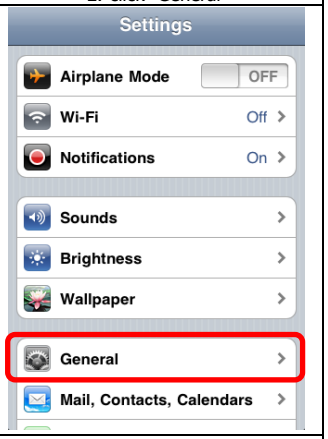
A2

SPP profile

B1

B2

* Under HID profile, press the left button for 4 seconds to unpair device. Scanner can then be connected to other BT device.

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 file or appropriate APP, please set keyboard language of device to **US language**. 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 A8 for HID profile or B1 to B8 for SPP profile)

	HID profile	SPP profile
A1 / B1		
A2 / B2		
A3 / B3		
A4 / B4		
A5 / B5		
A6 / B6		
A7 / B7		
A8 / B8		

There are two operating modes on the scanner

1. Data Transmission mode **(Default)**		
		
	It is a necessary to scan "clean memory data" when switching between these two modes.	
	Within Bluetooth radio range	**Beyond Bluetooth radio range**
Data read	Transmit data to smartphone/tablet directly	Save data into scanner's memory, scanner will transmit data to smartphone/tablet automatically when back to Bluetooth radio range.
	Enter Data Storage mode	
LED	Green/ Orange LED flashes followed by 3 beeps.	

2. Data Storage mode **(Batch Mode)**	
	
	It is a necessary to scan "clean memory data" when switching between these two modes.
Data read	Save data directly to scanner's memory, It will transmit the data to smartphone/tablet after you scan the **Transmit memory data** code. To delete data please scan the **Clean memory data** code.
	Enter Data Transmission mode
LED	Green/Orange LED flashes followed by 3 beeps.
	Always **Clean memory data** before switching to Data Transmission Mode. Otherwise Red/ Orange LED will flash with one long beep and will not switch modes.

Under Data storage Mode

The data can be kept or deleted after data transmission

Keep the data
(Default)

Delete the data

Transmit memory data
Green/Orange LED Flashes followed by 3 beeps

Clean memory data
Green/Orange LED flashes followed by 3 beeps
The barcode data which is stored in the memory will be deleted.

Trigger Mode

Trigger always
(Trigger available at any time)

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

Transmission Speed

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

High-speed transmission

Middle-speed transmission

Slow-speed transmission **(Default)**

Ultra Slow-speed **1** transmission

Ultra Slow-speed **2** transmission

Ultra Slow-speed **3** transmission

Power-saving Mode

Power-saving mode OFF

Power-saving mode ON **(Default)**:
Enter power-saving mode after 5-minute inactivity. This function converses battery power. When you press "SCAN/Power ON" button, it will wake up and begin to scan.

Power-saving mode ON:
Enter power-saving mode after 10-minute inactivity. This function converses battery power. When you press "SCAN/Power ON" button, it will wake up and begin to scan.

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

RTC (Real-time clock), please set the punctuation mark at the same time

You must scan the below configuration barcode to set the date & time stamp on the scanner.

Date information: ENABLE

Date information: DISABLE **(default)**

Time information: ENABLE

Time information: DISABLE **(default)**

The format of Date setting

Date format 1: mm/dd/20yy **(default)**
For example: 01/23/2011

Date format 2: dd/mm/20yy
For example: 23/01/2011

Date format 3: 20yy/mm/dd
For example: 2011/01/23

The punctuation marks for the intervals among barcode data, date, time

, comma **(default)** – FOR Android/iOS use
For example:
ABCD,01/23/2011,12:34:56

Tab – FOR iOS use
For example:
ABCD 01/23/2011 12:34:56

; semicolon – FOR Android/iOS use
For example:
ABCD;01/23/2011;12:34:56

Date and Time setting

SET DATE

Scan the **SET DATE** barcode, then, scan the six numeric digits in the format mm/dd/yy, from the numeric barcode.
For example: "01/23/2011", please input 012311

SET TIME

Scan the **SET TIME** barcode, then, scan the six numeric digits in the format hh:mm:ss from the numeric barcode. Time format: 24hr clock
For example:
"PM 3:25:30", please input "152530"

Keyboard Country (For USB HID only)

Scan the appropriate country code as below to program the keyboard layout for your country or language. As a general rule, the following characters are supported, but need special care 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

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, left)
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

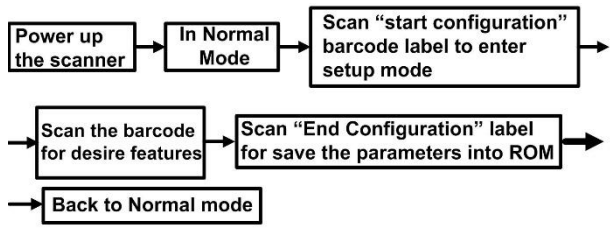
5 B X

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		

Barcode Configuration Method:

(Flow chart for setup procedure :)



Start Configuration

End Configuration

1D Symbologies – 1

ENABLE **CODE 39** DISABLE

ENABLE **CODE 39 Transmit Start/Stop Character** DISABLE

ENABLE **CODE 39 FULL ASCII** DISABLE

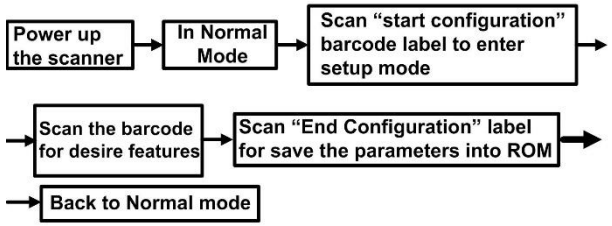
ENABLE **EAN-8** DISABLE

ENABLE **EAN-13** DISABLE

ENABLE **CODE 11** DISABLE

Barcode Configuration Method:

(Flow chart for setup procedure :)



Start Configuration

End Configuration

1D Symbologies – 2

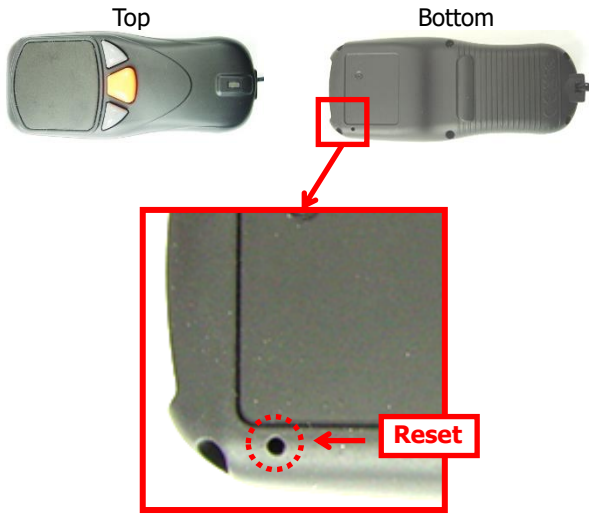
ENABLE	**ISSN**	DISABLE
ENABLE	**ISBN**	DISABLE
ENABLE	**UPC-E**	DISABLE
ENABLE	**UPC-A**	DISABLE
ENABLE	**Interleaved 25**	DISABLE
ENABLE	**Matrix 25**	DISABLE

1D Symbologies – 3

ENABLE	**GS1-Databar (RSS)**	DISABLE
ENABLE	**GS1-Databar (RSS-Limited)**	DISABLE
ENABLE	**GS1-Databar (RSS-Expand)**	DISABLE
ENABLE	**GS1-128 UCC/EAN-128**	DISABLE
ENABLE	**CODE 93**	DISABLE
ENABLE	**Industrial 25**	DISABLE
ENABLE	**CODABAR**	DISABLE
ENABLE	**MSI**	DISABLE

1. Pull out the USB cover its slot

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



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

Quick guide is subject to change without notice.

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