

Programming guide

**Serial Dongle RS232 Plug&Scan**

Version 2.56

Important notice:

Every effort is made to ensure the accuracy of our product information; however, we accept no responsibility for errors or omissions including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. We shall not be liable for errors contained herein or for incidental consequential damages in connection with the furnishing, performance, or use of this material.

Specifications or version may be subject to change without notice. The actual specification and version are based on the product delivered.

Table of content

<b>1. Introduction</b>	<b>3</b>
<b>2. General operations</b>	<b>4</b>
Restore factory defaults	4
Disconnect	4
End of configuration	4
<b>3. POS configuration</b>	<b>5</b>
Predefined POS settings	5
Pencil & BCM2604-L specific POS settings	6
Code ID settings	7
Prefix	8
Suffix	9
<b>4. UART settings</b>	<b>11</b>
UART baud rate selection	11
UART stop bits selection	13
UART parity selection	14
UART flow control	15
<b>5. Scanner</b>	<b>16</b>
Number of beeps for “good scan”	16
Number of beeps for “ACK”	17
Number of beeps for “NAK”	18
Number of beeps for “ACK/NAK not received”	19
<b>6. Annex</b>	<b>20</b>



## 1. Introduction

Scanning a series of programming bar code labels can configure the scanner when it is connected to the serial dongle. The scanner and the dongle must be properly powered and connected before programming.

During the programming mode, the scanner will acknowledge a valid scan. For more information, please see your scanner user guide.

You may want to change the UART settings of the Serial Dongle without connecting to it with a Baracoda Scanner. In this case you can send commands through the RS232 port using the Serial Dongle Console (see the Serial Dongle Console User Guide for more information)

### **WARNING!**

***This programming guide is to be used with a Baracoda Serial Dongle with a software version more than 1.1, which serial numbers are 0111XXXX. The S/N of your product is located on the box or on the label located on the cover of the adapter. Otherwise, some settings (UART, POS and scanner settings) may have no effects. In this case, use programming guide version 1.0 or 1.1.***



## 2. General operations

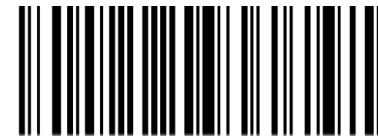
Restore factory defaults

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Disconnect

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End of configuration

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WARNING!

You have to scan the barcode at the bottom of the page after each series of configuration to apply your changes (except for the barcodes of the "General Operations" section).



### 3. POS configuration

#### Predefined POS settings

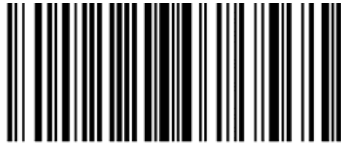
---

Scanning the Toshiba TEC barcode will change the UART settings to 9600bps/8 data bits/1 stop bit/Even parity.

Anker



Olivetti



Toshiba TEC



#### Pencil & BCM2604-L specific POS settings

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**For Anker and TEC, use POS settings above.**

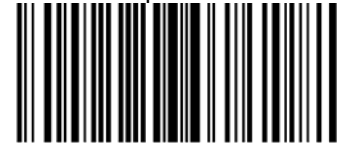
Olivetti EAN prefix



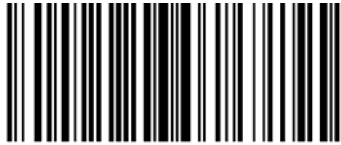
Olivetti UPC prefix



Olivetti Code 39 prefix



Olivetti Farmacia prefix



Code ID settings

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See Annex (p16) for detailed code ID set. “Default code ID” is the default code ID set of the scanner. Using these settings will disable predefined POS settings.

Disable code ID [default]



Default code ID



Olivetti code ID



Prefix

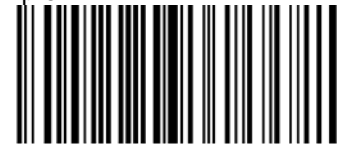
---

The prefix and suffix will be added to every barcode, in addition to the code ID and predefined POS settings.

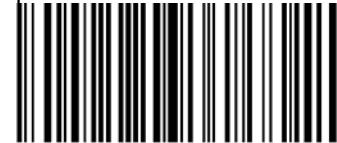
Disable prefix [default]



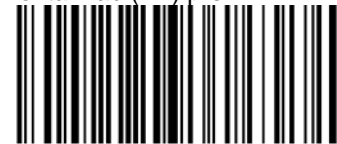
SOH prefix



STX prefix



Horizontal Tab (HT) prefix



Suffix

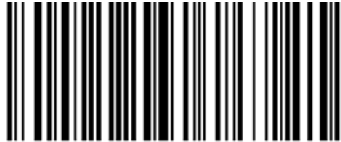
---

The prefix and suffix will be added to every barcode, in addition to the code ID and predefined POS settings.

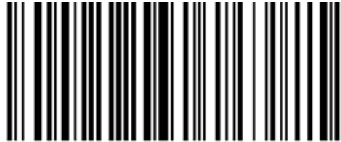
Disable suffix [default]



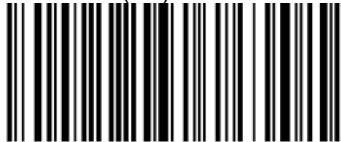
EOT suffix



ETX suffix



Horizontal Tab (HT) suffix



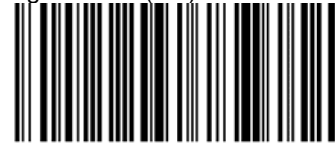
Carriage Return (CR) suffix



Line Feed (LF) suffix



Carriage Return (CR)+ Line Feed (LF) suffix



## 4. UART settings

UART baud rate selection

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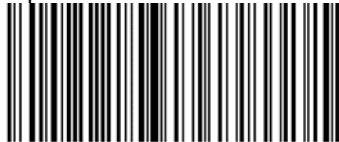
1200 bps



2400 bps



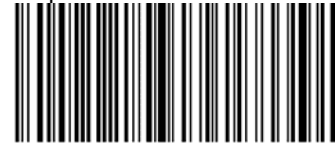
4800 bps



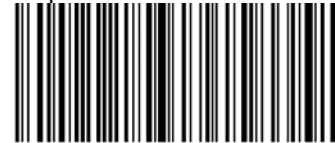
9600 bps [default]



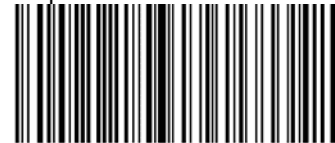
14400 bps



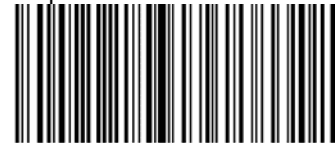
19200 bps



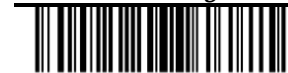
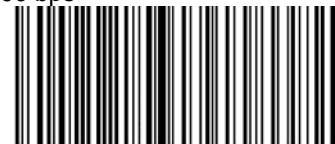
28800 bps



38400 bps



57600 bps



115200 bps



UART stop bits selection

---

1 stop bit [default]



2 stop bits



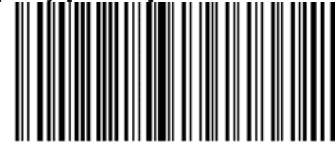
*End of configuration*



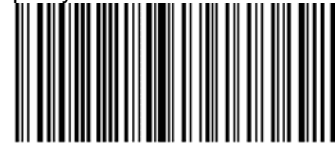
UART parity selection

---

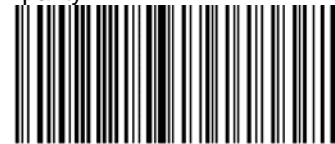
No parity [default]



Odd parity



Even parity



*End of configuration*



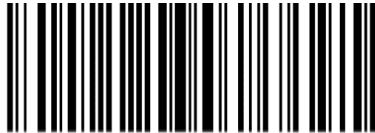
UART flow control

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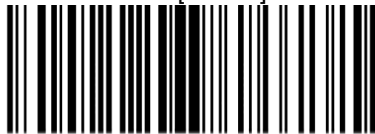
Disable RTS/CTS [default]



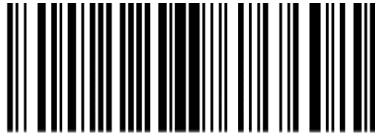
Enable RTS/CTS



Disable ACK/NAK [default]



Enable ACK/NAK



*End of configuration*



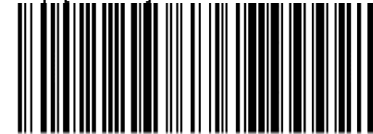
## 5. Scanner

**Warning:** these settings are only possible with BC/BL-2604 scanners. After scanning the desired barcode please disconnect the scanner, wait ten seconds and pair again using the “connect barcode”

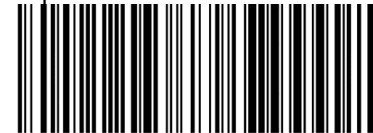
Number of beeps for “good scan”

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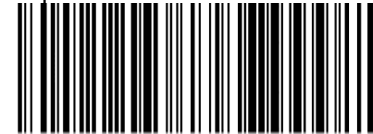
0 beep [default]



1 beep



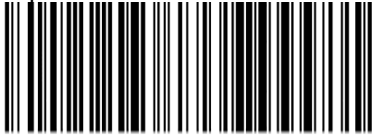
2 beeps



DISCONNECT



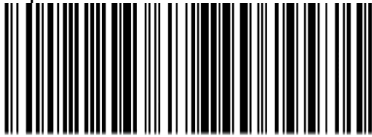
3 beeps



Number of beeps for "ACK"

---

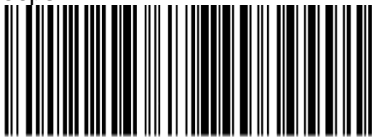
0 beep



1 beep [default]



2 beeps



DISCONNECT



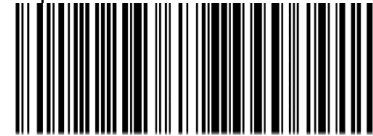
3 beeps



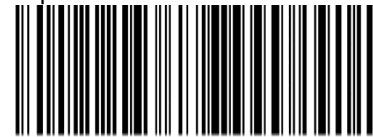
Number of beeps for "NAK"

---

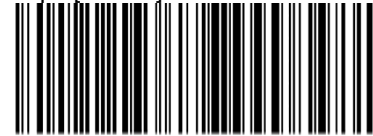
0 beep



1 beep



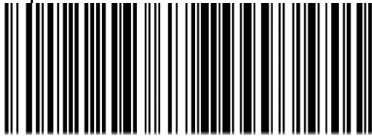
2 beeps [default]



DISCONNECT



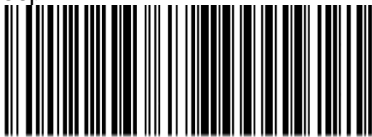
3 beeps



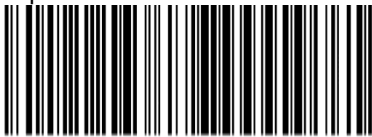
Number of beeps for "ACK/NAK not received"

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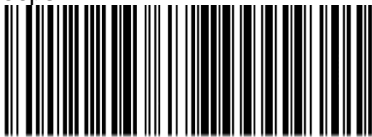
0 beep



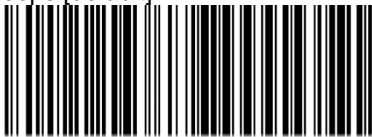
1 beep



2 beeps



3 beeps [default]



DISCONNECT



## 6. Annex

Olivetti prefix set

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UPC A	« c »
UPC E	« c »
EAN 13	« d »
EAN 8	« d »
Code 39	« b »
Farmacia	« w »
Others	« z »

BL/BC-2604 prefix set

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UPC A	« A »
UPC E	« E »
EAN 13	« F »
EAN 8	« FF »
Code 39	« M »
Code 128	« K »
ITF 2 of 5	« I »
Chinese post code	« H »
Codabar	« N »
Code 93	« L »

*End of configuration*



BL-1000 prefix set

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UPC A	« A »
UPC E	« E »
EAN 13	« F »
EAN 8	« FF »
Code 39	« a »
Code 128	« f »

