TITLE: SMART-DNC AT-COMMANDS *(BLK-MD-BC04-B\_DEMO)*

VERSION: 1.0

AUTHOR: FAHAD IBN OMAR FAJARDO

DATE: March 19, 15

DESCRIPTION: This manual provides an instruction on how to set, configure, and edit the parameters of the SMART-DNC Bluetooth Serial Module.

**Connect SMART-DNC Bluetooth Serial to RS232 USB**

* Connect the 9 PIN RS232 Serial TTL to USB -> 9 PIN to 25 PIN -> SMART-DNC Bluetooth Serial

**Start a Serial Port Terminal Program**

Set the following Parameters

* COM Port
* Baud Rate
* Data Bits
* Parity
* Handshaking

*See default settings*

**Default Settings**

From Factory *(for Assembly)*

* COM Port *(see RS232 TTL Serial COM Port)*
* Baud Rate - 9600
* Data Bits - 8
* Parity - none
* Stop Bits – 1 or 2
* Handshaking - none

Consumer

* COM Port *(see RS232 TTL Serial COM Port)*
* Baud Rate - 38400
* Data Bits - 8
* Parity - even
* Stop Bits – 2
* Handshaking - none

**Standard AT COMMANDS for Consumer**

* AT+ENABLEIND2
* AT+NAMESMART-DNC
* AT+PIN8888
* AT+BAUD6
* AT+UARTMODE0,2

**AT COMMANDS** *(use parameters with ‘CR’ / ‘CR+LF’ without quotes)*

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Read Current Parameter** | **Set Parameter** |
| MANUFACTURER INDICATOR | - | AT+ENABLEIND*<PARAMETER>*  e.g. AT+ENABLE1  PARAMETERS  1 = ON  2 = OFF |
| NAME | AT+NAME | AT+NAME*<PARAMETER>*  e.g. AT+NAMESMART-DNC |
| PIN | AT+PIN | AT+PIN*<4 DIGIT NUMBER PARAMETER>*  e.g. AT+PIN8888 |
| BAUDRATE | AT+BAUD | AT+BAUD*<PARAMETER>*  e.g AT+BAUD4  PARAMETERS  1 = 1,200  2 = 2,400  3 = 4,800  4 = 9,600  5 = 19,200  6 = 38,400  7 = 57,600  8 = 115,200  9 = 230,400  A = 460,800  B = 921,600  C = 1,382,400 |
| STOP BIT and PARITY | AT+UARTMODE | AT+UARTMODE*<PARAMETER 1>,<PARAMETER 2>*  e.g. AT+UARTMODE1,2  PARAMETER 1 (STOP BIT)  0 = 1 Stop Bit  1 = 2 Stop Bit  PARAMETER 2 (PARITY)  0 = None  1 = ODD  2 = EVEN |