



## BLE-CC41-A Bluetooth Module

# AT COMMANDS



Users can through a serial interface and BLE-CC41-A chips for communication, serial interface use Tx, Rx two root signal lines, baud rate support 1200,2400,4800,9600,14400,19200,38400,57600,and 115200 bps. The default of baud rate is 9600 bps.

## **AT COMMANDS INSTRUCTIONS**

BLE-CC41-A Bluetooth serial interface module has two kinds of commands: commands and indications. (Note this: AT commands all case, all with command carriage returns, line feeds character end: \r\n).

### **I. Commands**

#### **Command 1: Testing Connection Commands**

<b>Command</b>	<b>Answer</b>	<b>Parameter</b>
AT	OK	None

#### **Command 2: Inquires/Set—Name**

<b>Command</b>	<b>Answer</b>	<b>Parameter</b>
AT+NAME	+NAME=<Para1>	<Para1>: the name of device
AT+NAME< Para1>	1.+NAME=<Para1> OK——succeeded 2.ERROR=<Error_Code>—— failed*	default: BOLUTEK

Example:Send AT + NAMEBOLUTEK  
 Return + NAME = BOLUTEK  
 When the bluetooth name BOLUTEK instead  
 Parameters to support electricity save.

#### **Command 3: Inquires/Set—PIN**

<b>Command</b>	<b>Answer</b>	<b>Parameter</b>
AT+PIN< Para1>	1.+PIN=<Para1> OK——succeeded	< Para1>:Pin default: 000000

Example: Send AT + PIN888888  
 Return + PIN = 888888  
 When the bluetooth pairing pin to 888888, module pairing the default pin is 000000.

**Command 4: Inquires/Set——Baud Rate**

Command	Answer	Parameter
AT+BAUD	+BAUD=<Para1>	<Para1>: baud rate
AT+BAUD< Para1>	1.+BAUD=<Para1> OK——succeeded 2.ERROR=<Error_Code>—— failed	1---1200 2---2400 3---4800 4---9600 5---19200 6---38400 7---57600 8---115200 9---230400 default: 4---9600

Example: Send:AT + BAUD6  
Return:+BAUD=6  
The baud rate to 38400

**Command 5: Inquires/Set——Power**

Command	Answer	Parameter
AT+POWER	+ POWER =<Param>	Param: 0 ~ 3
AT+POWER<Param>	+ POWER =<Param>  OK	0: -23dbm 1: -6dbm 2: 0dbm 3: 6dbm Default: 2

Note: the power will cause power consumption increase.

**Command 6: Inquires/Set——Communication Mode**

Command	Answer	Parameter
AT+UARTMODE	+UARTMODE=<Para1>,<Para2>	< Para1 > : stop bit
AT+UARTMODE<Para1 >,<Para2>	UARTMODE=<Para1>,<Para2>  OK ——succeeded	0 :1 bit 1:2 bit  < Para2 > : check digit



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		0: no check 1: the odd parity 2: parity Default: 0, 0
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### Command 7: Inquires/Set——Sleep Mode

Command	Answer	Parameter
AT+PWRM	+PWRM =<Para>	Para: 0 ~ 1
AT+PWRM[Para]	+PWRM =<Para> OK ——succeeded	0: Auto sleep 1: no auto sleep, wait The AT + SLEEP enter a dormant state Default: 1.