
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

Command	Answer	Parameter
AT	OK	None

Command 2: Inquires/Set——Name

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

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

Command 3: Inquires/Set——PIN

Command	Answer	Parameter
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>	0 : 1 bit 1: 2 bit

	OK ——succeeded	< Para2 > : check digit 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 0: Auto sleep
AT+PWRM[Para]	+PWRM =<Para> OK ——succeeded	1: no auto sleep, wait The AT + SLEEP enter a dormant state Default: 1.