

Arduino BLE module identification and setup sketch.
Interact with this interface using serial in CR&LF mode.
Enter the number of the RX pin on the Arduino, TX on the module [8] :
Enter the number of the TX pin on the Arduino, RX on the module [9] :
Enter the number of the State pin on the Arduino, State on the module (enter -1 if not present or not connected) [7] :

Opening serial connection to BLE module at pins: 8, 9, 7

Checking module state...

The signal on the state pin is LOW. This means the device is not connected and is in command mode.

Detecting module type

CC41 detected!

Sending command: AT+HELP

* Command	Description	*
* AT	Check if the command terminal work normally	*
* AT+RESET	Software reboot	*
* AT+VERSION	Get firmware, bluetooth, HCI and LMP version	*
* AT+HELP	List all the commands	*
* AT+NAME	Get/Set local device name	*
* AT+PIN	Get/Set pin code for pairing	*
* AT+PASS	Get/Set pin code for pairing	*
* AT+BAUD	Get/Set baud rate	*
* AT+LADDR	Get local bluetooth address	*
* AT+ADDR	Get local bluetooth address	*
* AT+DEFAULT	Restore factory default	*
* AT+RENEW	Restore factory default	*
* AT+STATE	Get current state	*
* AT+PWRM	Get/Set power on mode(low power)	*
* AT+POWE	Get/Set RF transmit power	*
* AT+SLEEP	Sleep mode	*
* AT+ROLE	Get/Set current role.	*
* AT+PARI	Get/Set UART parity bit.	*
* AT+STOP	Get/Set UART stop bit.	*
* AT+START	System start working.	*
* AT+IMME	System wait for command when power on.	*
* AT+IBEA	Switch iBeacon mode.	*
* AT+IBE0	Set iBeacon UUID 0.	*
* AT+IBE1	Set iBeacon UUID 1.	*
* AT+IBE2	Set iBeacon UUID 2.	*
* AT+IBE3	Set iBeacon UUID 3.	*
* AT+MARJ	Set iBeacon MARJ .	*
* AT+MINO	Set iBeacon MINO .	*
* AT+MEA	Set iBeacon MEA .	*
* AT+NOTI	Notify connection event .	*
* AT+UUID	Get/Set system SERVER_UUID .	*
* AT+CHAR	Get/Set system CHAR_UUID .	*

* Note: (M) = The command support slave mode only. *

* For more information, please visit <http://www.bolutek.com> *

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Sending command: AT+VERSION

+VERSION=Firmware V3.0.6,Bluetooth V4.0 LE

Sending command: AT+NAME

+NAME=BT05

Sending command: AT+PASS

+PASS=000000

Sending command: AT+ADDR

+ADDR=00:15:85:10:87:36

Sending command: AT+ROLE

+ROLE=0

Sending command: AT+POWE (0 = -23dbm, 1 = -6dbm, 2 = 0dbm, 3 = 6dbm)

+POWE=2

0) Quit

1) Set module name

2) Set module password

4) Set module power

5) Display main settings

Enter menu selection [0] :