| RN 4020 | Raspberry Pi |
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| WAKE\_SW | GPIO 23 |
| UART\_RX | UART0\_TX |
| UART\_TX | UART0\_RX |

Initializing RN 4020 Module:

1. Set the WAKE\_SW pin high to enter command mode

2. Set serial port with parameters

Baud rate: 115200

Data bits: 8

Parity: None

Stop bits: 1

3. Issue “+” command to turn on echo

4. Issue command SF, 1 to reset to factory settings

5. Issue command SS, C0000000 to enable support of device info and battery

6. Issue command SR, 00000000 to set RN 4020 as peripheral

7. Issue command R, 1 to reboot module and set new settings as default

8. After module powers up again, issue command LS to display services

Downloading BlueZ library:

1. wget [http://www.kernel.org/pub/linux/bluetooth/bluez-5.44.tar.xz](http://www.kernal.org/pub/linux/bluetooth/bluez-5.44.tar.xz)

2. tar xvf bluez-5.44.tar.xz