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[Forum: Wireless Product \(WiFi, Bluetooth, ..\)](#)

Topic: RN4871 弁

Subject: Re: RN4871 弁

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The only way to drop power consumption to  $\mu\text{A}$  is to use low power mode by issuing "so,1" command. When the module is in low power mode, the Bluetooth is still connected but the UART is off because the system is running 32k clock. The module is drawing about 60 $\mu\text{A}$  while connected to another BLE device in this mode.

You can still receive data from BLE radio in low power mode. When data comes in from BLE radio, BLE radio will wake up CPU automatically and send received data to UART.

The tricky part is to send data to the module. You need to pull UART\_RX\_IND pin low and wait for 2 milli-second before you can send data to the module.

2mS is a very short time and is OK for most applications. If you need to have low power connected mode, this is the only way. All you need to wait is 2 mS and you can save 15mA power consumption. Again, the Bluetooth radio is connected in low power mode, all you need to do is to pull UART\_RX\_IND pin low and wait for 2mS. If your application can tolerate the 2mS delay, you should use the low power mode by issuing "so,1" command.

Let us know if you need further help.