

ESP8266 Deep Sleep Mode

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src=„https://4.bp.blogspot.com/-JxNgBHR2Yx8/Wz5vu2TnYYI/AAAAAAAAIzU/dJtQ5ZqXTUQNNc3i83KbtEI  
E4OdHi7FyQCLcBGAs/s320/adafruit_products_Huzzah_ESP8266_Pinout_v1.2-1.png“  
width=„320“/></a></div> My <a href=„https://amzn.to/2zdb07Z“ target=„_blank“>Adafruit  
HUZZAH Feather ESP8266</a> consumes 0.080 amps (80 ma) in normal operation. With one wire  
and a single line of code, I can drop that to about 0.010 amps (10 ma), according to my <a  
href=„https://amzn.to/2NuOf2K“ target=„_blank“>USB power monitor</a>. <p>I connected a wire  
from GPIO16 (pin 16) to RESET (RST).</p> <p>I'm using the Arduino IDE to program my ESP8266, so  
at the end of my loop, I insert</p> <p>void loop() {<br/> &#160; &#160; other code in my  
sketch</p> <p>&#160; &#160; ESP.deepSleep(60e6);<br/> }</p> <p>Which puts the ESP8266 to  
sleep for 60 seconds, and then reboots, running through my code once more before going back to  
sleep. This greatly extends my battery life. You can change the 60 to whatever number of seconds  
you want the unit to sleep.</p> <p>With a <a href=„https://www.adafruit.com/product/3435“  
target=„_blank“>Adafruit TPL5110 Low Power Timer</a> you can drop the power consumption of  
nearly any microcontroller or circuit to 20ua, for about $5.</p> <div class=„c3“/> </html>
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Last update: **2021/12/06 15:24**

