

RAK811 Arduino Library Use Guide

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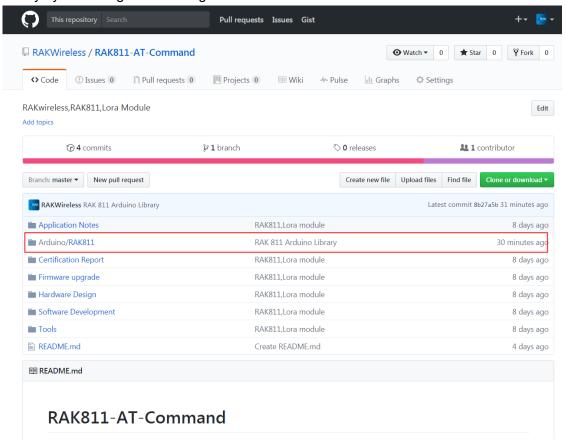
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The document will be updated without prior notice.



1. Download

We upload the RAK811 Arduino library code to the official github. You can find this library by searching RAK811 at github..



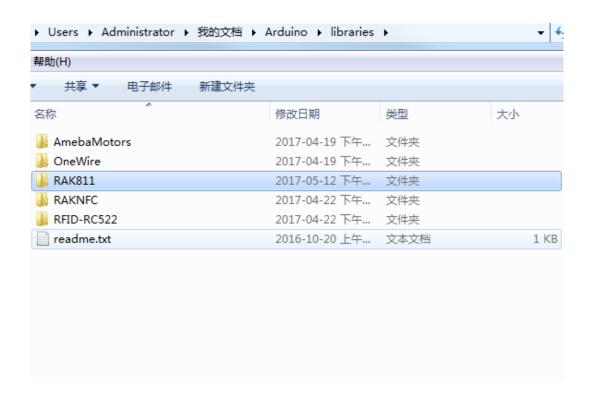


2. Add to Arduino IDE

①Download the RAK811 Arduino library and find the downloaded file.

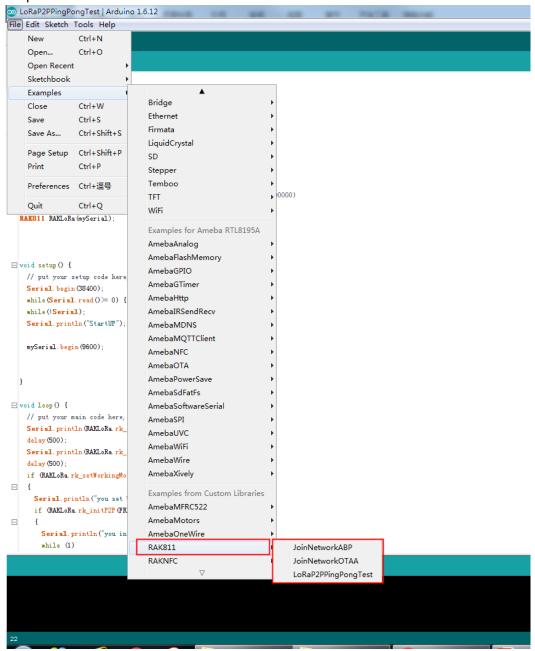


©Copy the RAK811 folder to the Arduino library folder.





3 And then open the Arduino IDE, you can see the RAK811 sample code in the Arduino example.





3. Code introduction

The RAK811Arduino library contains a total of three typical application example code, respectively, the module LoRaWAN mode through the OTAA way to join the gateway and module LoRaWAN mode through the ABP way to join the gateway and the module to do LoRaP2P mode between the two modules to send data between each other.

On the library contains the available functions, the user can refer to the RAK811.h file, which has a detailed note on the use of each function.

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[ C:\Users\Administrator\Desktop\Arduino雲例\案例程序\RAK811-AT-Command-master\Arduino\RAK811\RAK811.h - Notepad++ [Administrator]
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                   * A library for controlling RAK811 LoRa radio.
                * @Author Chace.cao
* @Author john.zou
* @Date 11/05/2017
            #ifndef RAK811_h
#define RAK811_h
#define LoRaWAN 0
               #define Lorary2 1
#define Lorary2 1
#define OTAA 0
#define OTAA 0
#define OTAA 0
#define STATUS_RECV_DATA "attrecv=0,0,0"
#define STATUS_TX_COMFIRMED "attrecv=1,0,0"
#define STATUS_TX_UNCOMFIRMED "attrecv=2,0,0"
#define STATUS_JOINED_SUCCESS "attrecv=3,0,0"
#define STATUS_JOINED_FAILED "attrecv=4,0,0"
#define STATUS_TX_TIMEOUT "attrecv=6,0,0"
#define STATUS_TX_TIMEOUT "attrecv=6,0,0"
#define STATUS_DOWNLINK_REPEATED "attrecv=7,0,0"
#define STATUS_WARE_UP "attrecv=8,0,0"
#define STATUS_PTX_COMPLETE "attrecv=9,0,0"
#define STATUS_UNKNOWN "attrecv=100,0,0"
#include "Arduino.h"
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                class RAK811
                    * A simplified constructor taking only a Stream ({Software/Hardware}Serial) object.
                    * The serial port should already be initialised when initialising this library
                    RAK811(Stream& serial);
                    * Gets the firmware version number of the module.
* Only applies to the firmware that the module programmed for the RAK811 AT command.
                                                                              length: 9,282 lines: 250 Ln: 12 Col: 18 Sel: 0 | 0
C source file
                                                                                                                                                                                               Unix (LF)
                                                                                                                                                                                                                          UTF-8
                                                                                                                                                                                                                                                        INS
```

If you have any questions, welcome to our forum to ask your question: http://support.rakwireless.com/.

You can also send your question to this email: ken.yu@rakwireless.com