WisNodeV1.1-LoRa-Arduino Library Use Guide V1.1

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The document will be updated without prior notice.

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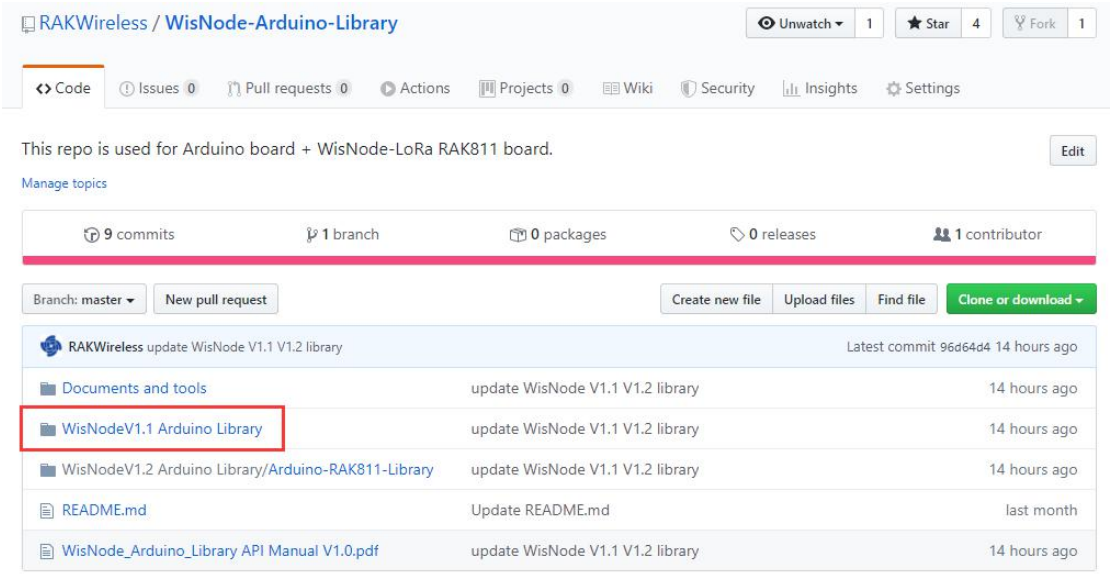
1. RAK811 Arduino Library Use Guide

(1) Download

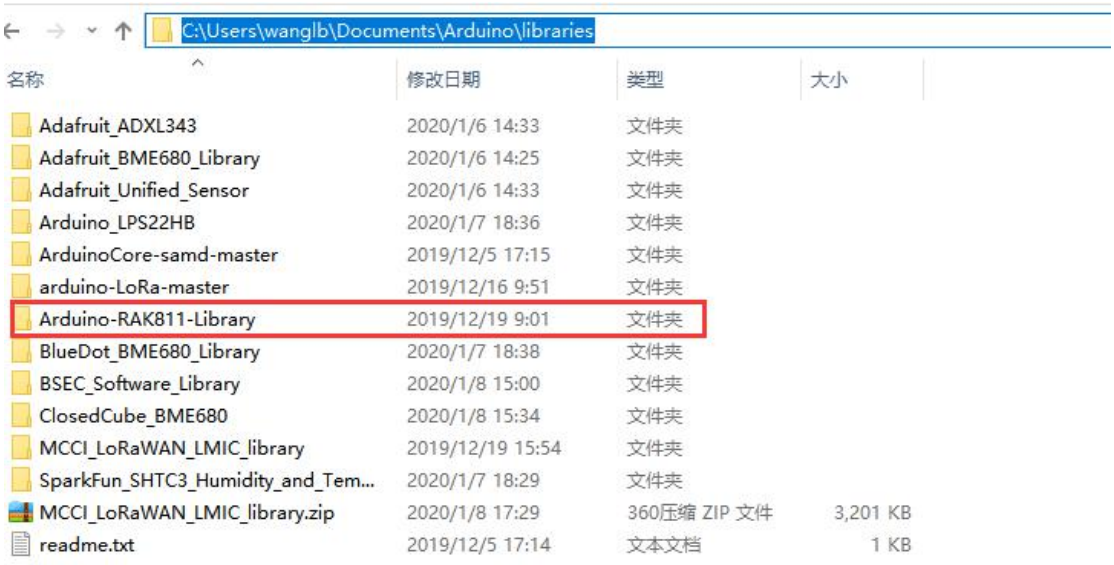
We upload the RAK811 Arduino library code to the official github. You can find this library at github:https://github.com/RAKWireless/WisNode-Arduino-Library



Download the library folder "Arduino-RAK811-Library".

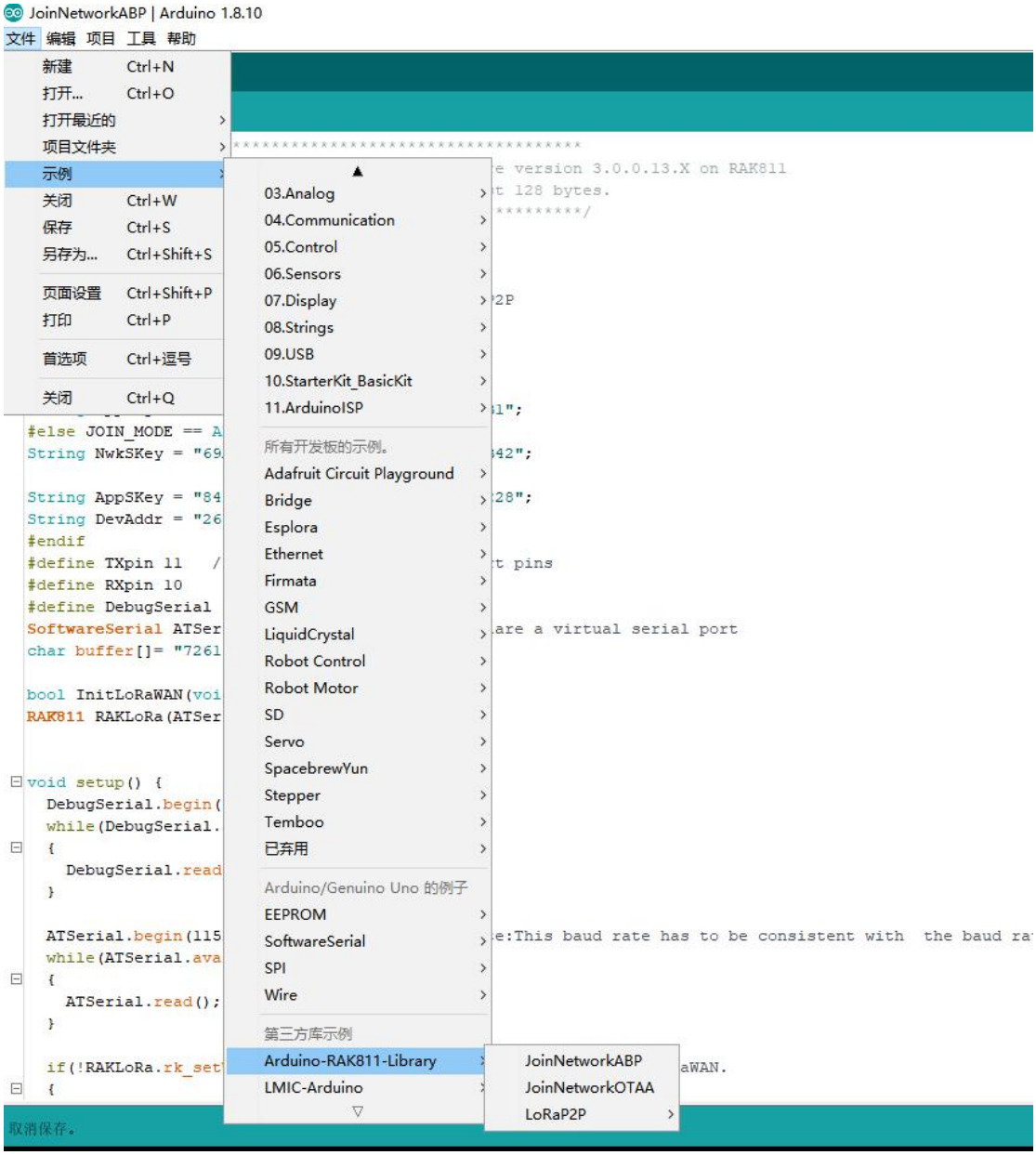
(2) Add to Arduino IDE

①Copy the "Arduino-RAK811-Library" folder to the Arduino library folder.



②And then open the Arduino IDE, you can see the RAK811 sample code in the

Arduino example.

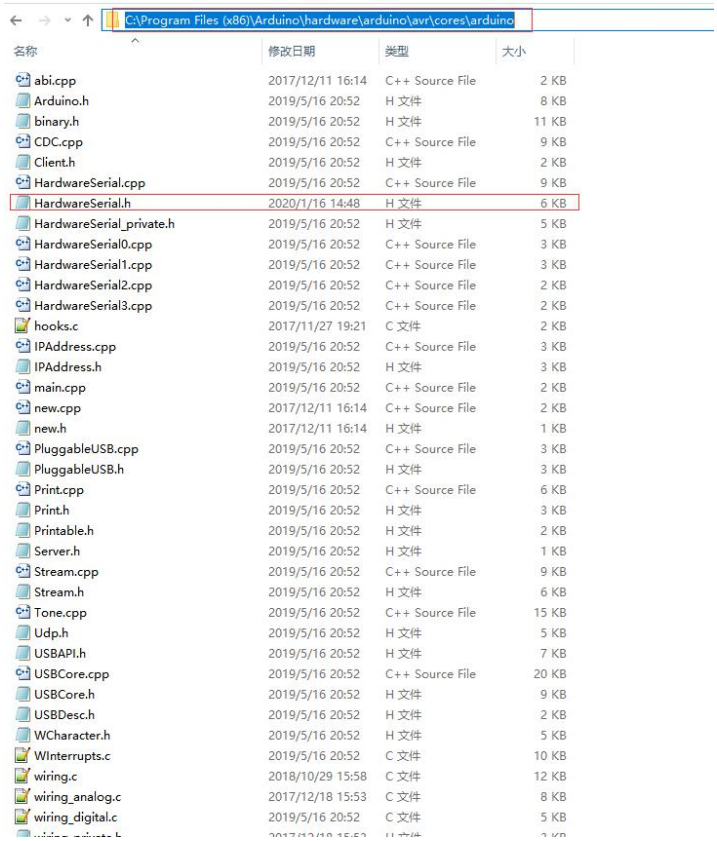


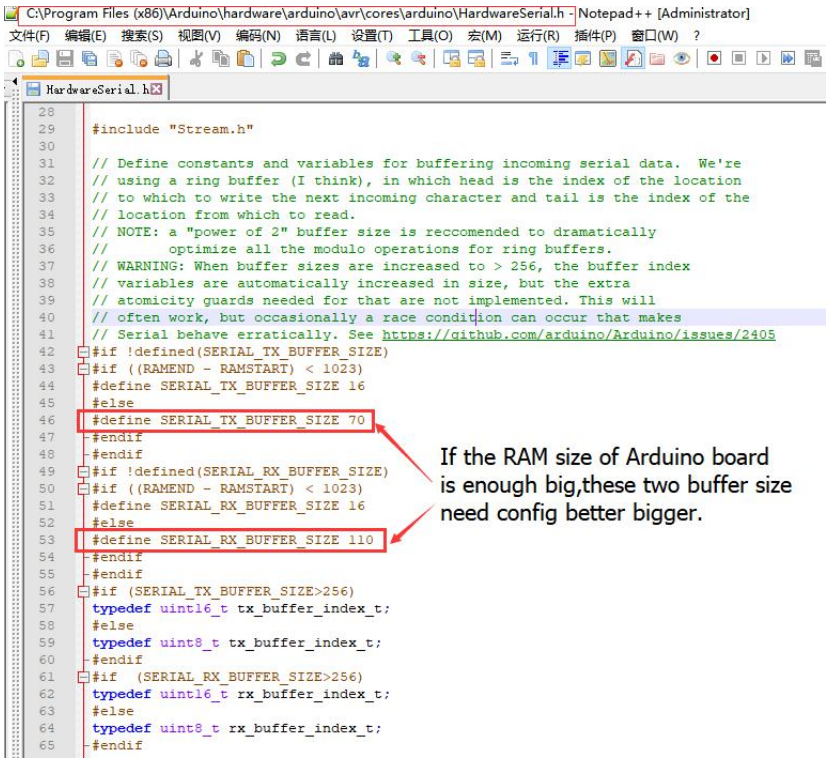
(3)Code introduction

On the library contains the available functions, the user can refer to WisNode_Arduino_Library API Manual V1.1.pdf,which has a detailed note on the use of each function.

Note:Before compile by Arduino IDE,user should better configure Serial RX and TX buffer size.This must be configured manually in Arduino installation directory.

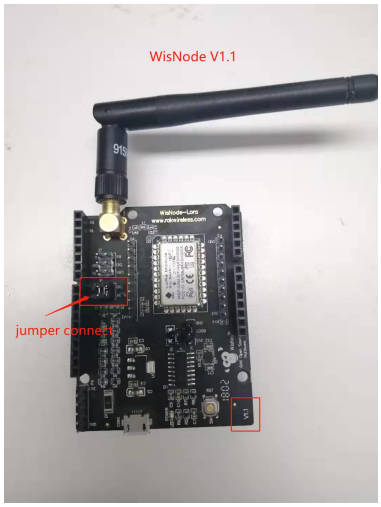
The following are the minimum recommended sizes.

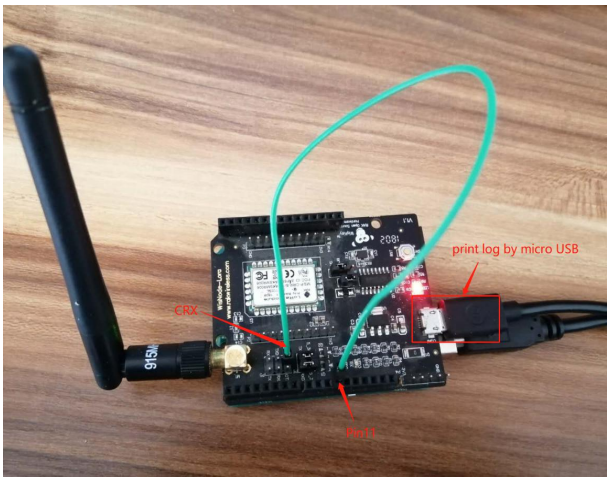


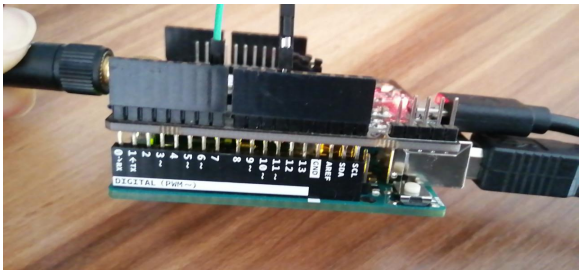


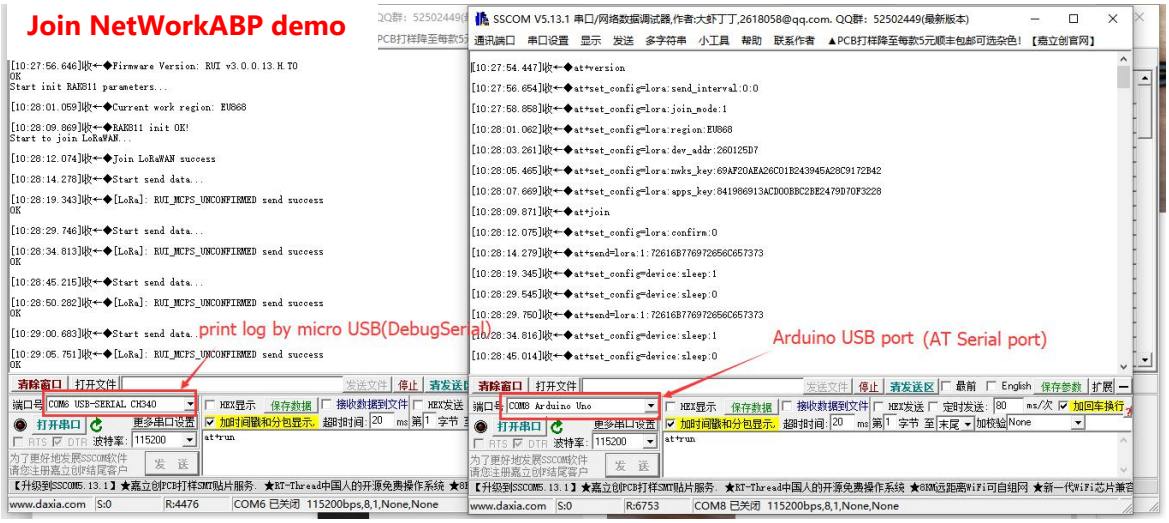
2. Hardware connect

This document will use **Arduino Uno + WisNode-LoRa** as an example.



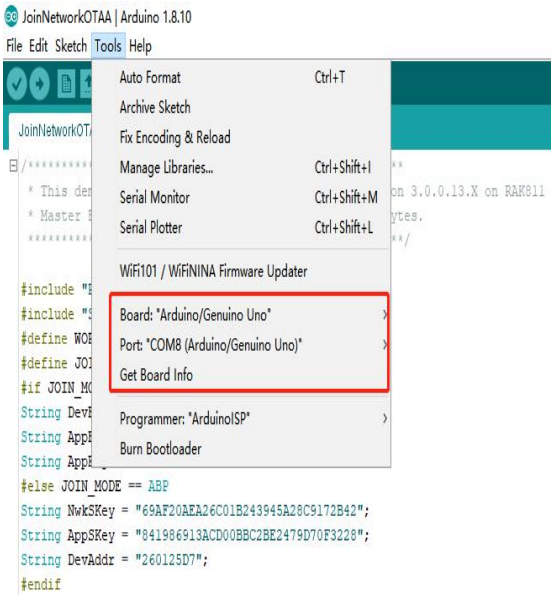






3. Flash firmware

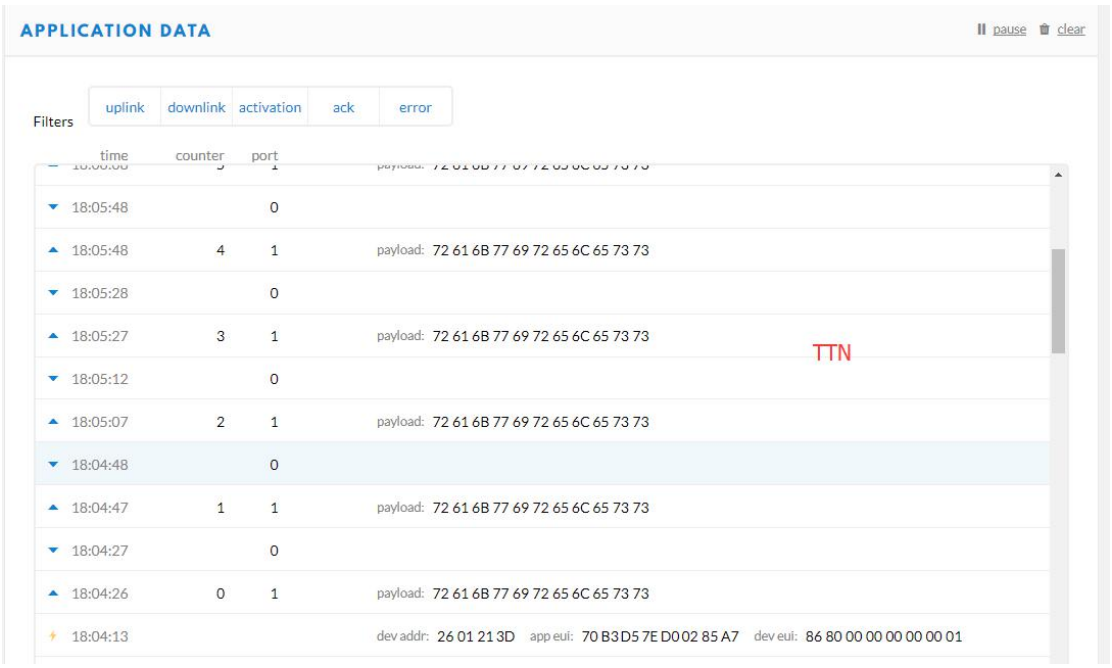
①Flash firmware for RAK811 ,refer to :Get_Start_with_RAK811_WisNode-LoRa.pdf
RAK811-Firmware:https://github.com/RAKWireless/WisNode-Arduino-Library/tree/master/Documents%20and%20tools/RAK811-Firmware
②Complie and Flash app demo JoinNetworkOTAA.ino through Arduino IDE(disconnect WisNode board before flash).



4. Test LoRa Node with LoRaWAN

Serial console log:

TTN log:



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