

Manuals

In this part we will discuss these topics:

- Install RAK811 Python Library on Raspberry Pi
- How to connect remotly your Raspberry Pi

Install RAK811 Python Library on Raspberry Pi

The first thing that you need to do is install RAK811 library on your RPi to work properly with this module.

From the Getting Started instruction on Pi-Supply website, you need to follow this steps [Here](#).

Connect remotly with your Raspberry Pi

You have many solutions to do this, it depends on your situation, i.e., your PC and RPi are on the same local network, or if you are not at home and you would like to see the progress.

1. SSH Protocol

In the first case you can use the SSH protocol to control via Command Line Interface (CLI) and depends on if your PC has Windows OS or Linux, the steps are:

- i. Enable the SSH Interface from RPi Settings.
- ii. Address Reservation from the control panel of your modem, so in the future the IP Address of RPi will not change.
- iii. install [PuTTY](#) (if you use Windows)
- iv. On the PuTTY windows add the IP Address
- v. If the IP Address is correct, logged on RPi with its credential.

If is not clear, watch the video for more details.

2. Ngrok service

This is the official website: [ngrok](#), it works as a VPN service, and we use it because:

- i. Has a Free Plan
- ii. You don't need to expose the Port 80 of your modem to use it
- iii. Is open source [ngrok: Introspected tunnels to localhost \(github.com\)](#)

The con is that you need to create an account to use this service and create the authentication token on Raspberry Pi.

For this project, we used the Free Plan only for demonstration.

After the installation, from the CLI of your RPi or from CLI from SSH, to access on Node-RED you can simply write this command: ***ngrok http https://localhost:1880***, where 1880 is Node-Red Port, when it finishes to load all the settings, it will generate a link, copy that and you can access on Node-RED for all the world!

With the Paid Plan you can setup a reserved and custom domanis and password protection, for more details [Tutorials - ngrok](#).