Starter Kit Tutorials

1] WITH ROUTER

2] WITHOUT ROUTER

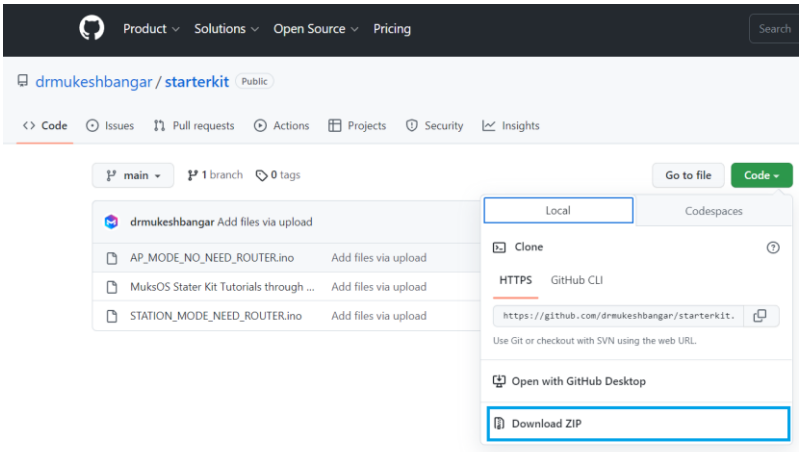
1. With Router Starter Kit Tutorials:-

Project requirements:-

1. Android mobile installed with MuksOS AI Launcher (latest version).
2. Node MCU.
3. Wifi

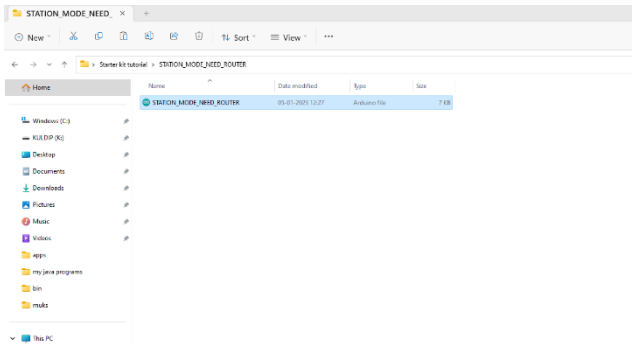
On Arduino setup:-

1. Download Arduino zip file and install it

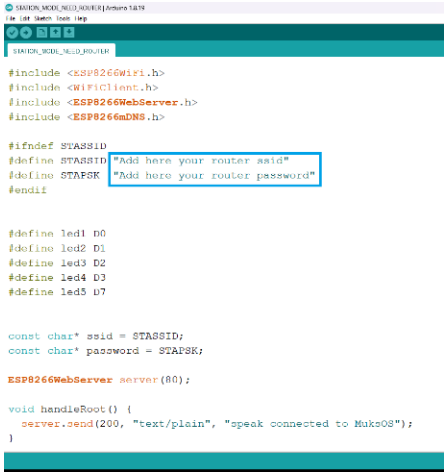


2. Setup Arduino.ide https://www.instructables.com/Steps-to-Setup-Arduino-IDE-for-NODEMCUESP8266-WiF/ copy link and setup.

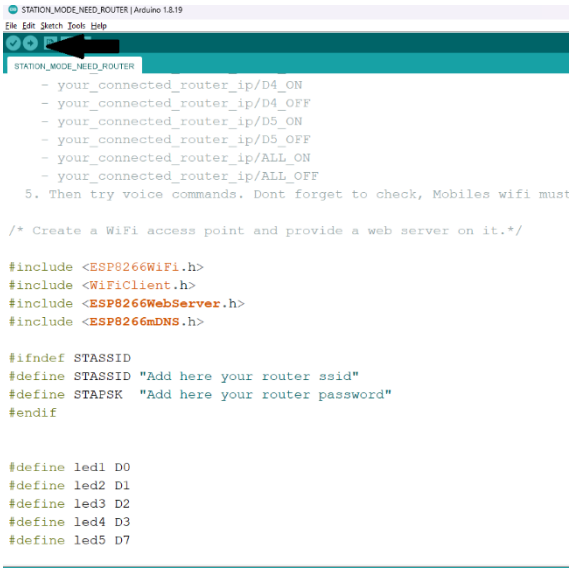
3. Download drive CP210x Universal Windows Driver and paste local folder then open device manager and check port. Copy path this folder and paste then install driver.
4. Arduino.ide STATION_MODE_NEED_ROUTER.ino this file copy and open.



5. Fill your router_ssid, router_password and socket_ip in this code.

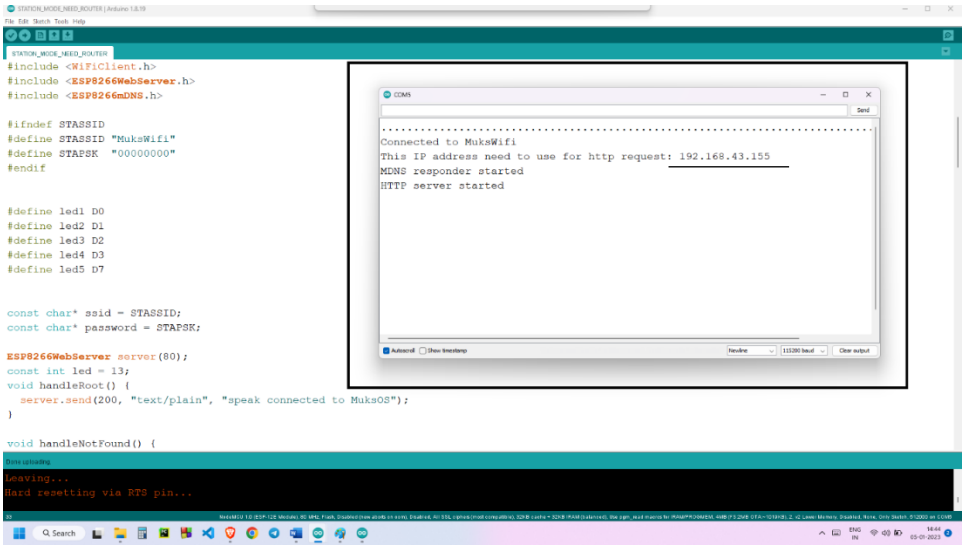


6. Compile and upload the code to NODE MCU.



7. Once it's done uploading, release the reset button then Open Serial Monitor.

8. Check if your server is connected or not.



On Mobile Setup:-

1. Connect your phone to same WIFI.
2. Then go to MuksOS App in create action Tab. In input add your voice command eg. “Turn on light”. Select 'http request' in action type then add one of the below links as per desirable output.

- your_connected_router_ip/D1_ON

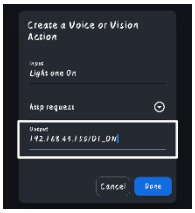
- your_connected_router_ip/D1_OFF

- your_connected_router_ip/D2_ON

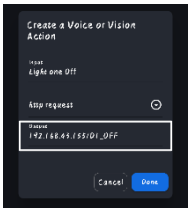
- your_connected_router_ip/D2_OFF

3. Then try voice commands. Don’t forget to check, Mobiles wifi must be connect with Muks SSID.

- 192.168.43.115/D1_ON this link will turn on light 1st



- 192.168.43.115/D1_OFF this link will turn off light 1st



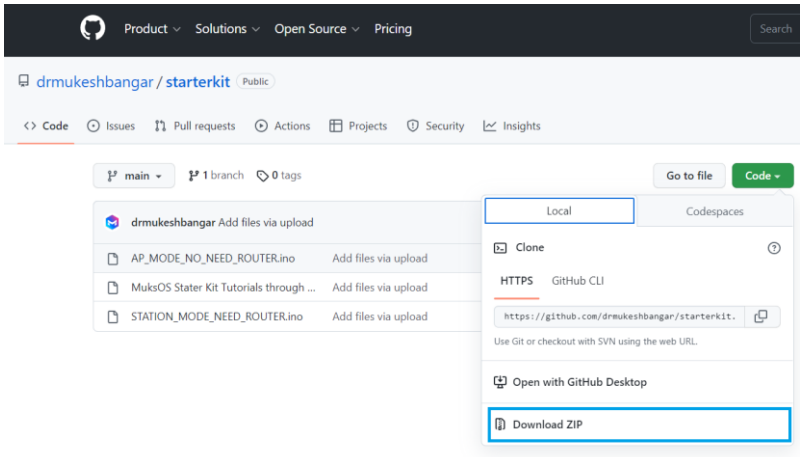
2. Without Router Starter Kit Tutorials:-

Project requirements:-

1. Android mobile installed with MuksOS AI Launcher (latest version).
2. Node MCU.

On Arduino setup:-

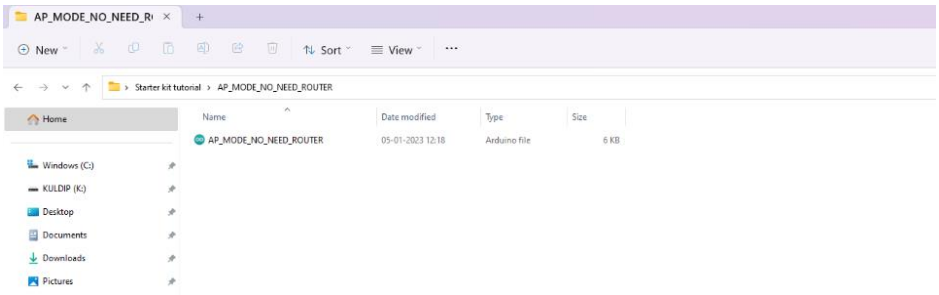
1. Download Arduino zip file and install it.



2. Setup Arduino.ide https://www.instructables.com/Steps-to-Setup-Arduino-IDE-for-NODEMCUESP8266-WiF/ copy link and setup.

3. Download drive CP210x Universal Windows Driver and paste local folder then open device manager and check port. Copy path this folder and paste then install driver.

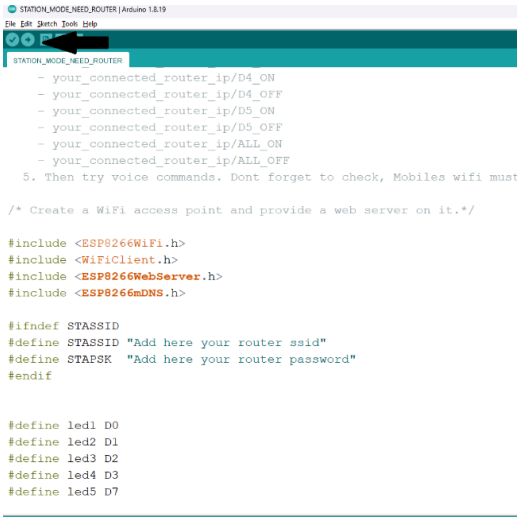
4. Arduino.ide AP_MODE_NO_NEED_ROUTER.ino this file copy and open.



5. Fill your router ssid, router password and socket ip in this sketch.

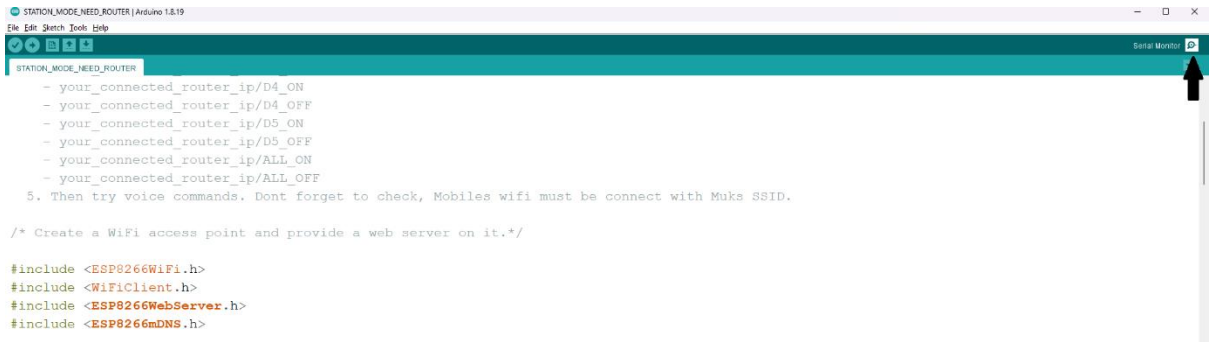
```
#include <ESP8266WiFi.h>
#include <WiFiClient.h>
#include <ESP8266WebServer.h>
#include <ESP8266mDNS.h>

#ifndef STASSID
#define STASSID "Add here your router ssid"
#define STAPSK  "Add here your router password"
#endif


#define led1 D0
#define led2 D1
#define led3 D2
#define led4 D3
#define led5 D7


const char* ssid = STASSID;
const char* password = STAPSK;

ESP8266WebServer server(80);

void handleRoot() {
  server.send(200, "text/plain", "speak connected to Muks08");
}
```

6. Compile and upload the code to NODE MCU.



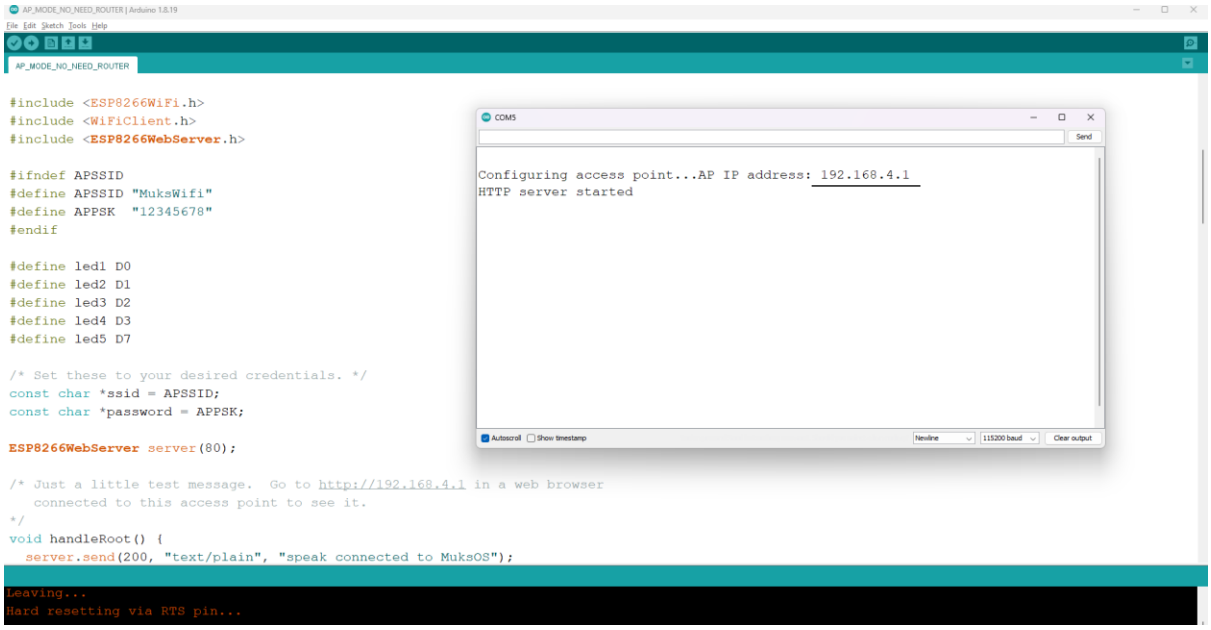
```
STATION_MODE_NEED_ROUTER | Arduino 1.8.19
File  Edit  Sketch  Tools  Help
STATION_MODE_NEED_ROUTER
    - your_connected_router_ip/D4_ON
    - your_connected_router_ip/D4_OFF
    - your_connected_router_ip/D5_ON
    - your_connected_router_ip/D5_OFF
    - your_connected_router_ip/ALL_ON
    - your_connected_router_ip/ALL_OFF
  5. Then try voice commands. Dont forget to check, Mobiles wifi must

/* Create a WiFi access point and provide a web server on it.*/

#include <ESP8266WiFi.h>
#include <WiFiClient.h>
#include <ESP8266WebServer.h>
#include <ESP8266mDNS.h>

#ifndef STASSID
#define STASSID "Add here your router ssid"
#define STAPSK  "Add here your router password"
#endif


#define led1 D0
#define led2 D1
#define led3 D2
#define led4 D3
#define led5 D7
```

7. Once it's done uploading, release the reset button then Open Serial Monitor.

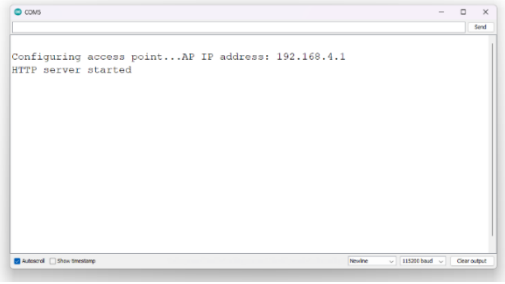


```
STATION_MODE_NEED_ROUTER | Arduino 1.8.19
File  Edit  Sketch  Tools  Help
Serial Monitor
STATION_MODE_NEED_ROUTER
    - your_connected_router_ip/D4_ON
    - your_connected_router_ip/D4_OFF
    - your_connected_router_ip/D5_ON
    - your_connected_router_ip/D5_OFF
    - your_connected_router_ip/ALL_ON
    - your_connected_router_ip/ALL_OFF
  5. Then try voice commands. Dont forget to check, Mobiles wifi must be connect with Muks SSID.

/* Create a WiFi access point and provide a web server on it.*/

#include <ESP8266WiFi.h>
#include <WiFiClient.h>
#include <ESP8266WebServer.h>
#include <ESP8266mDNS.h>
```

8. Check if your server is created or not.



On Mobile Setup:-



1. Connect your phone to MuksWifi.

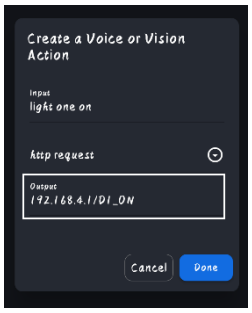
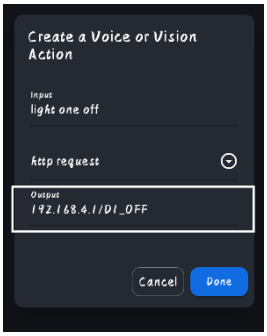
2. Now It's done.

3. Then go to MuksOS App in create action Tab. In input add your voice command eg. “Turn on light”. Select 'http request' in action type then add one of the below links as per desirable output.

- your_connected_router_ip/D1_ON
- your_connected_router_ip/D1_OFF
- your_connected_router_ip/D2_ON
- your_connected_router_ip/D2_OFF

4. Then try voice commands. Don’t forget to check Mobile’s wifi is connected with MuksWifi.

- 192.168.4.1/D1_ON this link will turn on light 1st



- 192.168.4.1/D1_OFF this link will turn off light 1st