

# SmartLiving Installation, Assembly and Troubleshooting Instruction.

SmartLiving is an intelligent home automation system that allows you to control various devices in your home remotely using your smartphone or tablet. With SmartLiving, you can automate lighting, temperature control, security systems, and more, enhancing both comfort and security in your home.

## Installation Instructions

- Download the App: Visit the Google Play Store on your Android device.
- Search for SmartLiving: In the search bar, type "SmartLiving" and press Enter.
- Install the App: Locate the SmartLiving app from the search results and click on "Install" to download and install the app on your device.
- Open the App: Once the installation is complete, open the SmartLiving app by tapping on its icon on your device's home screen and register with the given serial id.

## Device Compatibility

Ensure that the Android app is compatible with Android devices running Android version 6.0 (Marshmallow) or higher.

## Assembly Instructions

- Connect ESP8266 Device: Connect your ESP8266 device to a power source (5v mobile phone charger is recommended) and ensure it is properly powered on.
- Connect the sensors and actuators to the designated ports on the ESP8266 device according to the provided port numbers.
- Open the SmartLiving app and follow the on-screen instructions to configure and pair your ESP8266 device with the app.
- Test the functionality of each sensor and actuator to ensure they are working correctly.
- Mount the ESP8266 device and sensors/actuators securely in their intended locations using appropriate mounting hardware.

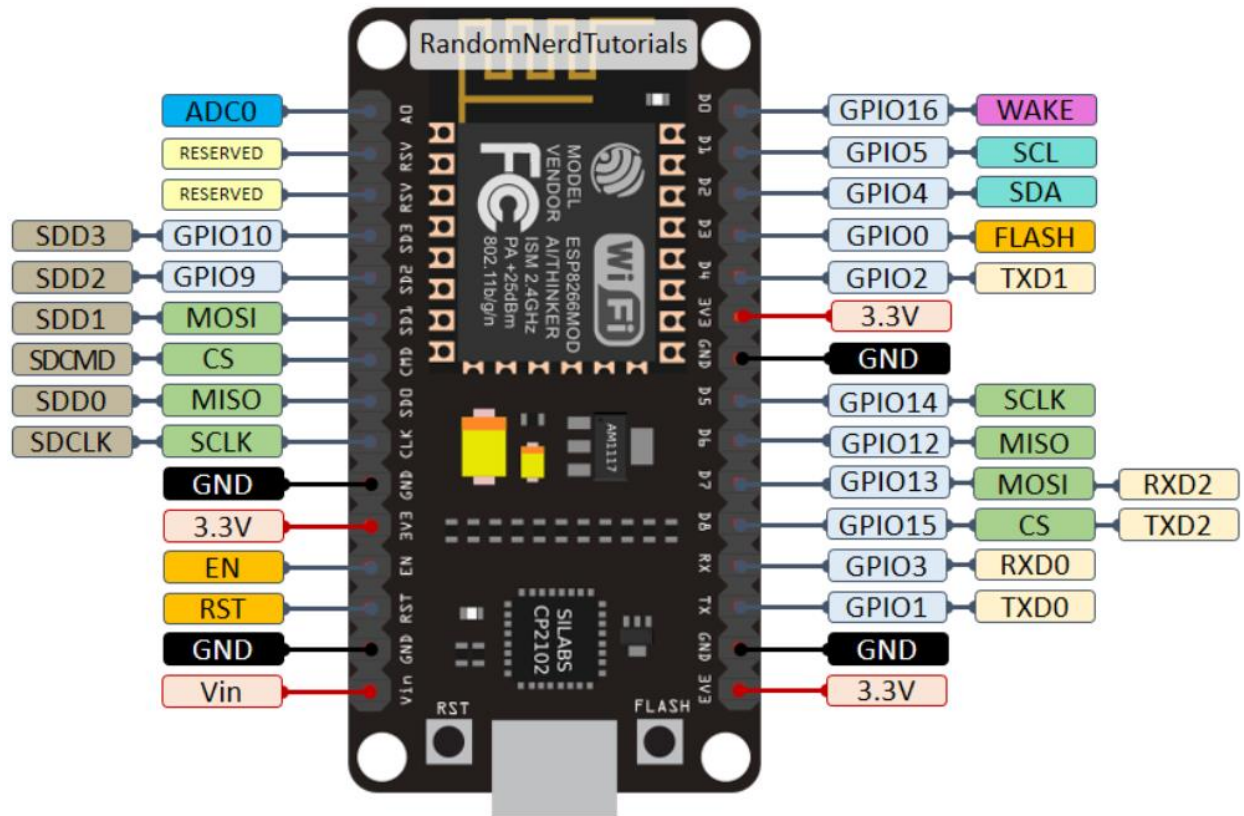
## Troubleshooting Instructions

- **Check Power Supply** - Ensure that the ESP8266 device is properly powered on and receiving sufficient power from the power source.
- **Verify Connections** - Double-check all connections between the ESP8266 device, sensors, and actuators to ensure they are correctly connected to the designated ports.
- **Check Wi-Fi Connection** - Make sure that your Android device is connected to a stable Wi-Fi network and that the ESP8266 device is within range of the Wi-Fi router.

- **Restart Devices** - Try restarting both your Android device and the ESP8266 device to reset any potential issues.
- **Update App and Firmware** - Ensure that you are using the latest version of the SmartLiving app and that the firmware on your ESP8266 device is up to date.
- **Reset to Factory Settings** - If all else fails, you can reset the ESP8266 device to its factory settings and reconfigure it with the SmartLiving app.
- **Get Help** - If you're unable to resolve the issue on your own, don't hesitate to seek assistance from technical support or consult online forums and communities for further troubleshooting guidance.

### Port list

Port	Device
D0 (GPIO16)	Connect door lock servo motor to pin D0 (GPIO16) on the ESP8266.
D7 (GPIO13)	Connect the positive (+) wire of the living room light to the ESP.
D2 (GPIO4)	Connect the positive (+) wire of the kitchen light to the ESP.
D3 (GPIO0)	Connect the positive (+) wire of the garden light to the ESP.
D5 (GPIO14)	Connect the trigger pin of the ultrasonic to the ESP.
D6 (GPIO12)	Connect the echo pin of the ultrasonic to the ESP.
D1 (GPIO5)	Connect the digital pin of the rain sensor to the ESP
D8 (GPIO15)	Connect the digital pin of the gas sensor to the ESP



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