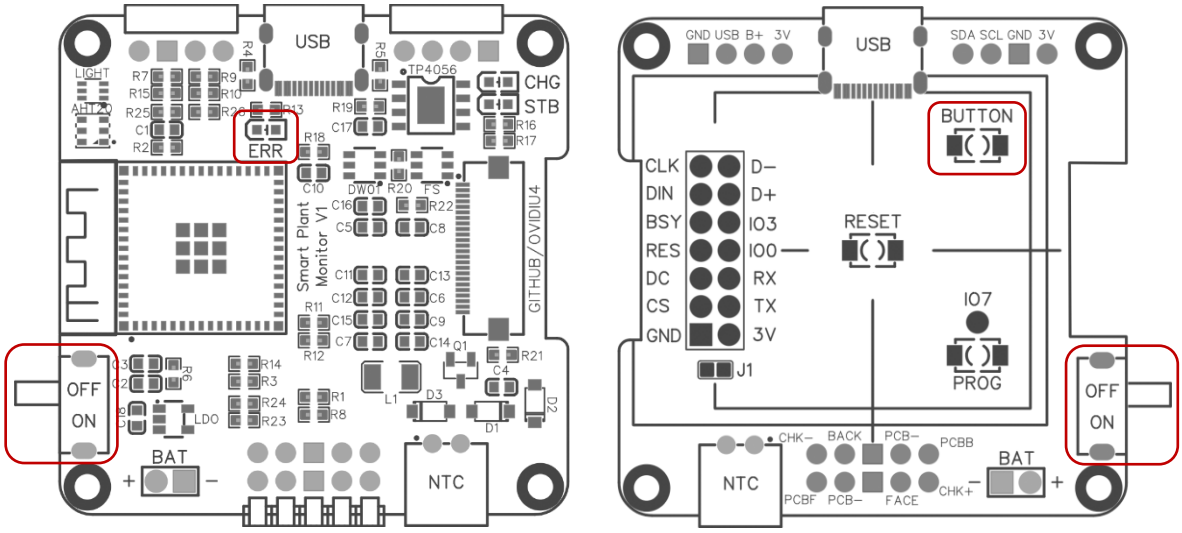
Smart Plant Monitor

Based on the ESP32-S3-MINI-1

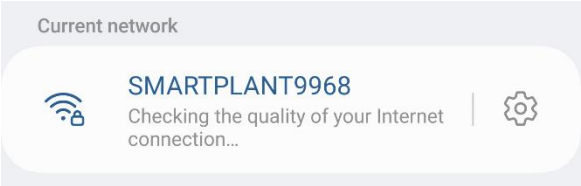
First time setup:



1. Press and hold the top button (marked with “BUTTON”)
2. Flip the power switch to “ON”
3. Wait for 5 seconds
4. The “ERR” LED will blink rapidly 3 times to signify that the “Setup Mode” is active.

   Note: Holding the top button for 10 seconds will factory reset the device

5. Release the top button
6. From your smartphone or computer search for and connect to the device WIFI.
   The network name will always be like “SMARTPLANTXXXX” where the last 4 characters are the device ID. Keep this name in mind.
   The network password is “SMARTPLANT”



7. Open your browser and navigate to http://smartplantxxxx.local, replacing the last 4 characters with the ID of the device from the previous step.
   Alternatively, you can navigate to http://192.168.4.1

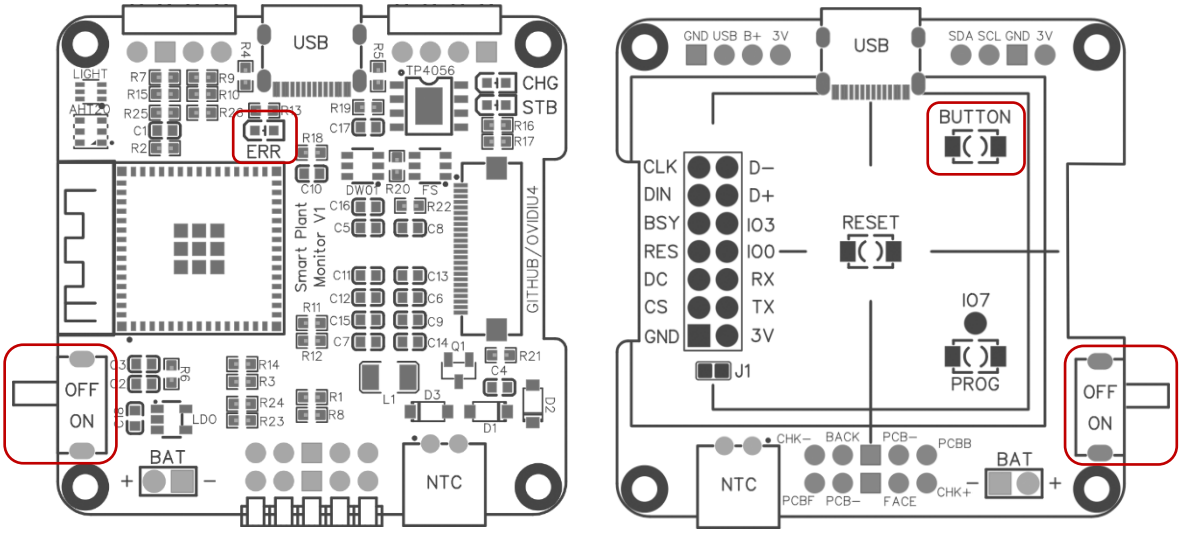
8. Navigate to the “WIFI” page
9. Enter your WIFI SSID and Password and press “Submit”
10. Navigate to the “HOME” page and press “Restart”
11. Press and hold the top button (marked with “BUTTON”)
12. Wait for 5 seconds
13. Release the top button
14. The “ERR” LED will blink rapidly 3 times to signify that the “Setup Mode” is active.

15. Go to your Home Assistant interface and click on your name from the side menu
16. Scroll down to “Long-Lived Access Tokens”
17. Generate a new token, giving it a name that will help you remember what it is for
18. Copy this token somewhere safe

19. Open your browser and navigate to http://smartplantxxxx.local, replacing the last 4 characters with the ID of the device from the previous step.
    Alternatively, you can navigate to the IP address you obtain from your Router
20. Navigate to the “CONFIG HA” page
21. Enter your Home Assistant URL (including port).
    This can be an external URL or a Nabu Casa URL. Do not add any trailing slashes “/”
22. Enter the Home Assistant token you generated earlier
23. Press “Submit” and confirm a connection code of “200” or “201” is returned
    Alternatively you can go to home assistant and search for a new entity called “SMARTPLANTXXXX_TEST”. A random number is sent to this entity upon testing the connection.

24. Flip the power switch to “OFF”
25. Flip the power switch to “ON”
26. The device is fully configured and will now create and update multiple entities, one for each of the sensors it monitors

Updating the Firmware:



1. Press and hold the top button (marked with “BUTTON”)
2. Flip the power switch to “ON”
3. Wait for 5 seconds
4. The “ERR” LED will blink rapidly 3 times to signify that the “Setup Mode” is active.

   Note: Holding the top button for 10 seconds will factory reset the device

5. Release the top button
6. Open your browser and navigate to http://smartplantxxxx.local, replacing the last 4 characters with the ID of the device from the previous step.
   Alternatively, you can navigate to the IP address you obtain from your Router
7. Navigate to the “FIRMWARE” page
8. If there are any updates available for your device the “Update” button will be available
   If there are no updates or if there is a connection issue, the “Update” button will be replaced by a “Refresh” button
9. Press the “Update” button
   Your device will now check that all files required for the update are available on GitHub
   The device will then download the required files and start the update

   Note: Do not power off the device during the firmware update. The update is finished when the “ERR” LED is turned off and stays off. The device will automatically restart after the update

10. Confirm that the update was successful either by booting in the “Setup Mode” and navigating to the “FIRMWARE” page or by checking the value of the “Software Version” entity in your Home Assistant instance