

USER GUIDE AUTOMATIC PLANT WATERING SYSTEM

How to use

1. Plug the device to a power source using the USB cable
2. Place the sensor on the garden/plant ground and wait until the ESP32 is turned on and is online.
3. To start the device automatically, press the water button on Blynk and it will adjust the amount needed based on the humidity and temperature, you can also check the device status on the app.
4. Press stop to stop the device from working entirely
5. You can check the watering status from the built in LED in ESP32

Architecture

- ESP 32

Controlling the hardware and maintaining communication with Blynk, runs the program to water the plant, when to go to idle mode and when it needs to be stopped.

- Built in LED

Gives live status of watering

- Blynk

As an app that will show users the humidity and temperature, the watering status, and can manage the device