



Smart Garden Automation System

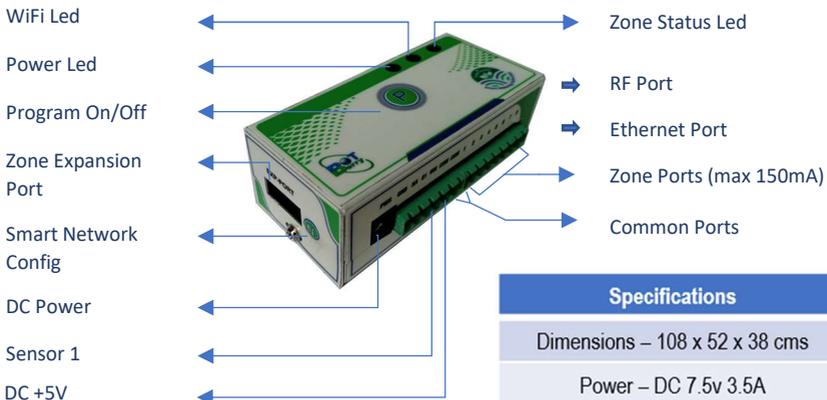


Installation & Operation Guide



Overview

PlantGuard is a SMART Automation System built with Innovative Technology. It is an Ideal solution for users to **automate and smart manage** wider range of applications such as watering, sprinkling, misting, lighting etc., in Agriculture, Livestock Farms and Gardens using Mobile App.





Installation

Deployment

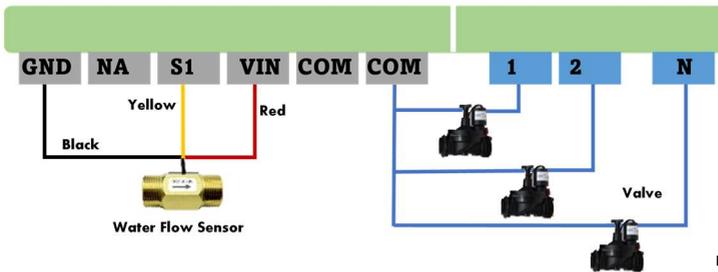


✓ For remote access from Mobile App, the device needs internet/cloud connectivity. Ensure that the device is mounted within home WiFi range if WiFi is used.



✓ Dongle can be used in case the device is out of home Wi-Fi range

Physical Wiring (Valves & Sensor)



Each Zone Port can handle a max current of 150mA

Note: No Polarity for Valve

Operations

WiFi Paring



Home Router, Mobile and Device should be in proximity.

- ✓ First time controller boots with smart WiFi Config upon power on. WiFi LED in Top panel of controller will glow in RED.
- ✓ Register user and add the controller as per "Getting Started" Video.
- ✓ Device reboots after acquiring WiFi config and connects to network/cloud server. WiFi LED turns green if WiFi & Cloud connection is successful.



Mobile Application & Controller Setup

YouTube



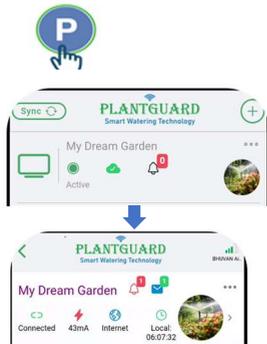
Scan to Watch

- ✓ Search for PlantGuard in Google Play Store to install mobile app in Android phones.
- ✓ Watch Youtube "Getting Started" video <https://www.youtube.com/watch?v=DA5WwiGK4NE>



Scan to Install

Testing Controller



- ✓ Connect Valves & Sensor as per the connection details in “Physical Wiring” section.
- ✓ Press button “P” in Top panel. This starts default program which turns on all valves for 60 seconds.
- ✓ Check if the *Zone Status* Led turns ON or current consumption increases in mobile app under device dashboard when zones are active.
- ✓ Press button “P” again in Top panel to turn off all active zones and check if the current consumption decreases or *Zone Status* Led turns OFF.

****Terms & Conditions:** Unless otherwise stated, the remote access to the controller using Botberry Cloud server is free for first 2 years of controller registration. Company reserves rights to provide free access after the expiry. User can continue to use the controller with local access option without any interruption or renew the cloud access as per the terms defined at that point in time.

Frequently Asked Questions

1. What are the probable causes for the Mobile App failing to detect and add PlantGuard controller?

1. WiFi password may be incorrect. Try again with correct WiFi password.
2. Check if your home Wifi router is working in dual band (2.4 & 5 GHz. If so, disable 5 GHz band and retry.
3. Check if the controller is powered ON and WiFi LED is in RED.
4. Make sure your mobile WiFi Tethering or Hotspot is Disabled.
5. Check if your mobile, router and controller are in proximity.

2. Why is my controller showing Disconnected state in Mobile App?

1. Check if the controller’s WiFi LED is in constant GREEN. If not, check the home WiFi’s internet connectivity.

3. Why is my Irrigation valve not getting activated?

1. Check if the valve wire is properly latched in controller’s screw terminal. Make sure if one wire of the valve is connected to COM port and another connected to respective Zone port.

4. Why my flow sensor shows a zero-flow rate in mobile App even during watering?

1. Check if the Sensor Wire Terminal connection is as per the “Physical Wiring” diagram.
2. Make sure the water pipe has enough flow pressure or water flow to drive the sensor turbine.



5. How can I connect my controller to network using Ethernet Port?

1. Use PlantGuard Ethernet IDE cable and Adapter for wired Ethernet connection. If you do not have one, contact your nearest dealer or send an email to support@botberrysolutions.com to buy one.

6. How can I change my Controller's WiFi network?

1. Press the “N” button located in the side of controller box. Wait for the WiFi LED to change to Red.
2. Connect your mobile phone to new WiFi network
3. In PlantGuard Mobile App, select “Network Config” and continue.



Technical Support

For technical support and customer complaints/feedback, please contact support@botberrysolutions.com.



Warranty

This product is covered under 1 Year Warranty against any manufacturing or technical defects from the date of purchase. For Warranty related queries or AMC, please contact BotBerry Support at support@botberrysolutions.com



1. Controller WiFi supports only 2.4GHz band.
2. Indoor Installation (No Waterproof)



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Made in India

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