

# AALROOT™

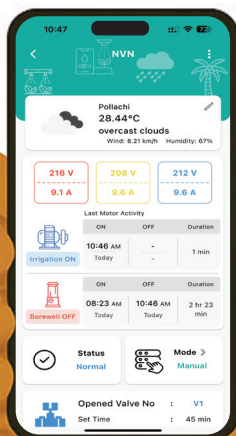
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## WIRELESS & WIRED SMART IRRIGATION SYSTEMS

Modern Farming, Made Simple

SMART  
FARM









# Easy Farming with AALROOT

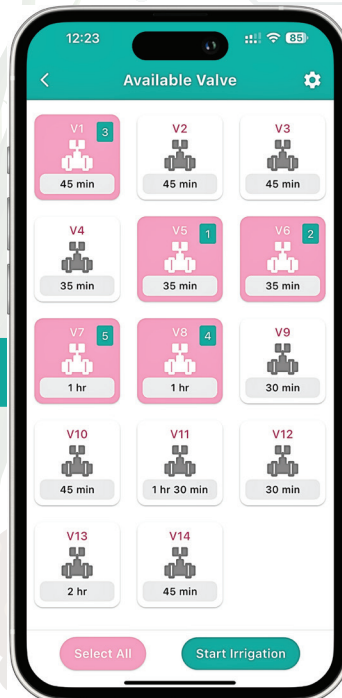
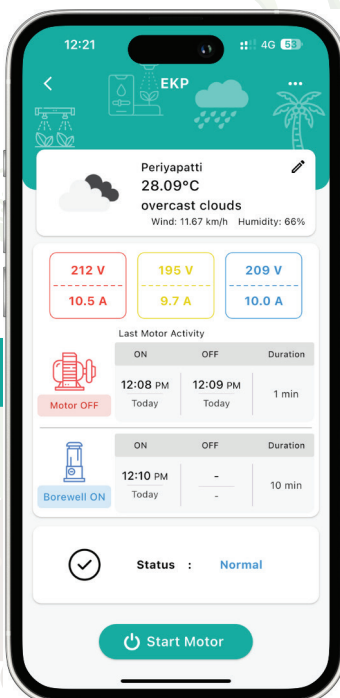
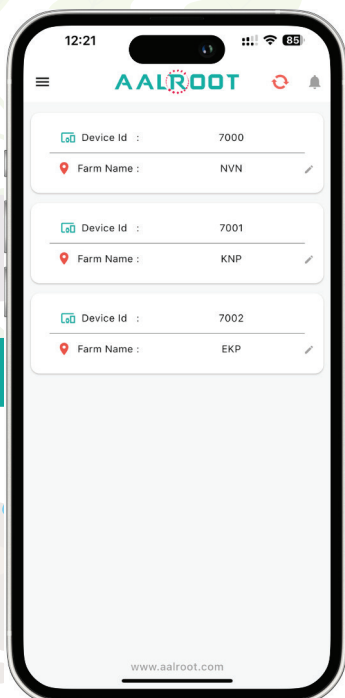
Our automatic irrigation system saves your MONEY and TIME by managing farms smartly!

## Highlights

-  Fully automatic system
-  Wired and wireless options
-  All control in one mobile application
-  Water level-based motor control
-  Soil moisture-based irrigation
-  Water Pressure Monitoring
-  Long-range wireless connectivity
-  Modular System - Expand Anytime
-  Farmer-friendly mobile application
-  Supports local language

## Benefits

-  Saves 30-50% water
-  Increases crop yield
-  Reduces labor cost
-  Automatic scheduled irrigation
-  No daily field visits needed
-  Improves crop quality












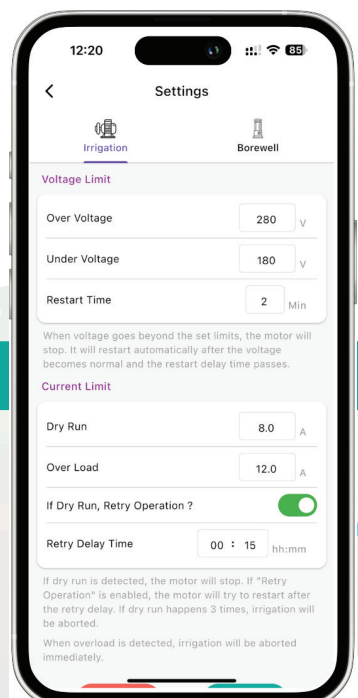
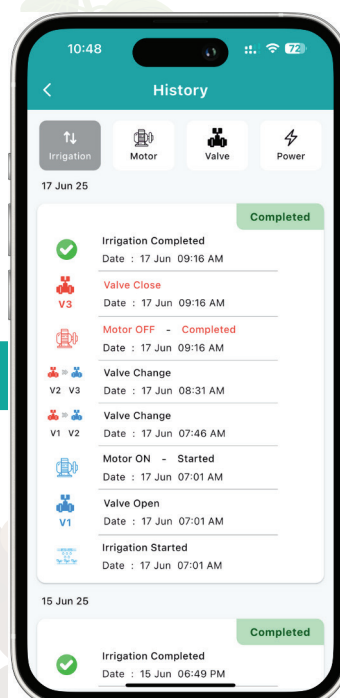
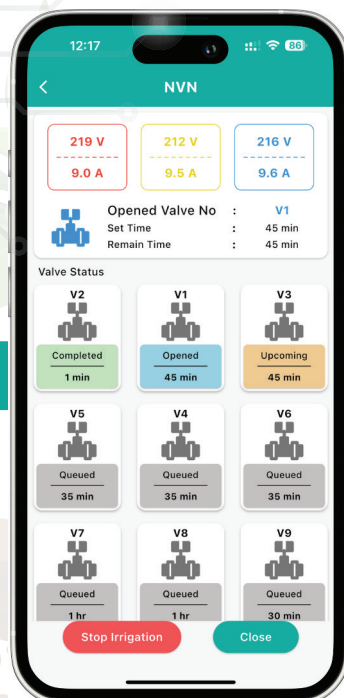
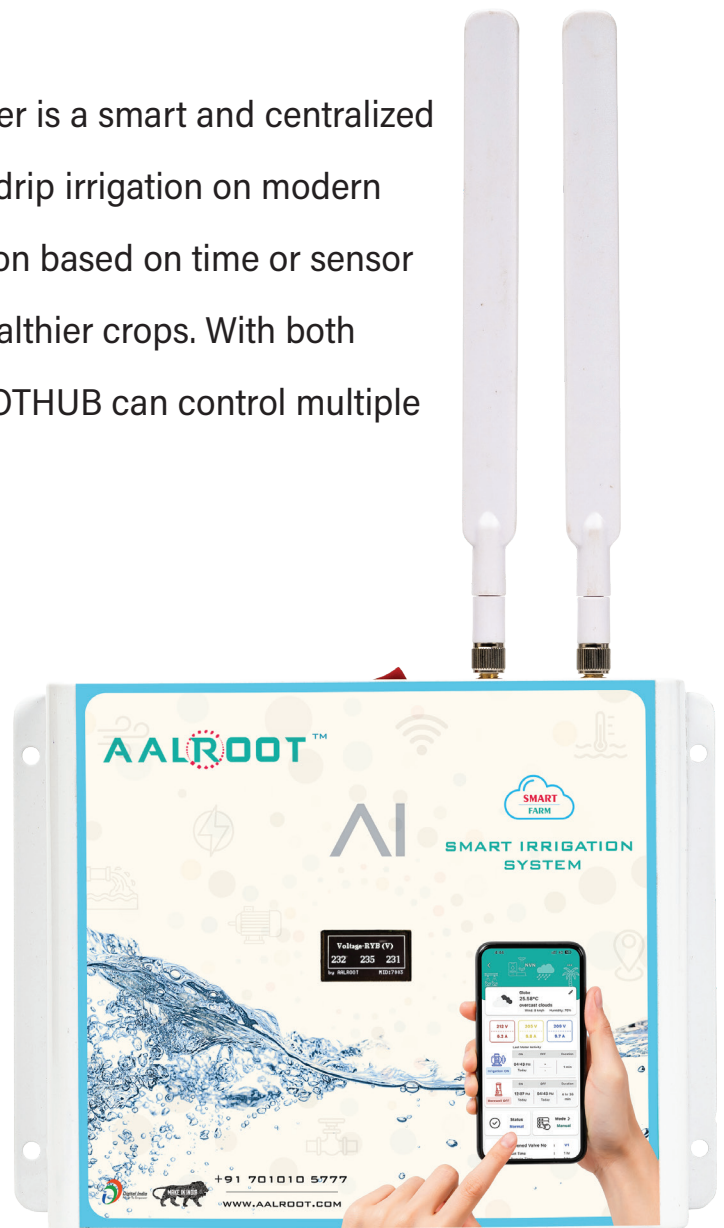


## ROOTHUB (MASTER CONTROLLER)

ROOTHUB – Drip Irrigation Master Controller is a smart and centralized device designed to automate and simplify drip irrigation on modern farms. It allows farmers to schedule irrigation based on time or sensor data, ensuring optimal water usage and healthier crops. With both wired and wireless valve compatibility, Roothub can control multiple zones or farms from a single point.

### MOBILE APPLICATION HIGHLIGHTS

-  Multiple language support
-  No technical knowledge needed
-  Designed with farmers in mind – rich, colorful and easy-to-use interface
-  Easy valve selection & operation scheduling
-  Cycle-wise grouped irrigation details
-  Icon-based history of irrigation & events
-  Home screen with irrigation and valve status
-  All your farms in one powerful app
-  Simple settings menu with clear explanations

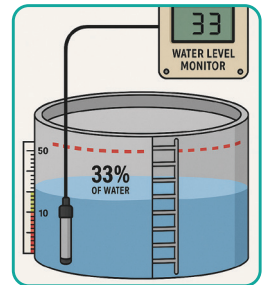


**V-WIRE** (*Wired valve controller*) connects directly to the ROOTHUB and receives power from it, eliminating the need for a separate solar panel. It ensures smooth valve operation and precise water distribution as per the ROOTHUB's instructions.

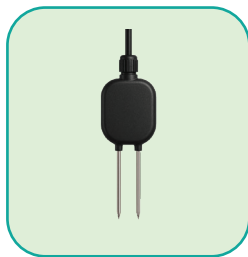


**V-AIR** (*Wireless valve controller*) connects to the ROOTHUB using wireless technology, eliminating the need for wiring across the field. It is ideal for large or separated fields where cables are difficult to install. As powered by a solar panel, it operates independently and ensures smooth valve operation and precise water distribution as per the ROOTHUB's instructions.

**W-MON** (*Water level monitor*) is used to measure and display the current water level in open wells. It provides real-time visibility of the water status to help farmers make informed irrigation decisions. Easy to install and maintain, it is ideal for traditional and modern farms.



**Pressure Sensor**



**Soil Moisture**



**Weather Station**



**Automatic Valve**



**Flow Sensor**

For Dealership Enquiry  
**SCAN & REGISTER**



Manufacturer

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