

Master Control Unit

The Dcon Ag AIR unit operates, monitors, and manages multiple agricultural processes like pumpsets, fertigation, solenoid valve control, weather stations, soil moisture, and reservoir water level. It can handle various input and output combinations. Mesh network technology links field units, with one unit acting as a bridge to the cloud, with dual channel LoRA..

Features and Benefits

- **Solar-Powered Operation:** Runs continuously with solar panel for 24/7 functionality.
- **Robust Battery Backup:** Withstands up to 72 hours in cloudy conditions.
- **4G/LTE Cellular Connection:** Provides seamless cloud connectivity for synchronization and remote monitoring.
- **Dual Channel LoRA Technology:** Utilizes separate channels for pumpset control and field monitoring.
- **High-Speed Data Processing:** Enables efficient and rapid data handling.
- **Flexible Inputs and Outputs:** Supports diverse configurations for various agricultural applications.
- **IP65 Outdoor Protection:** Ensures durability with dust and water resistance.
- **Extended Wireless Range:** Covers over 3 km in wireless mesh network.
- **Cloud-Based and Local Control:** Enables scheduling and management options both locally and via cloud.
- **Cloud Software Upgrades and Support:** Facilitates updates, configurations, and ongoing support through cloud services.
- **Compatibility:** Integrates seamlessly with other Mobitech RF units.
- **Integration with Multiple Pumpsets:** Capable of managing multiple pumpsets simultaneously.
- **Patented Technology:** Incorporates patented features for innovative agricultural management.

Wi-Fi Bluetooth Cellular IP65





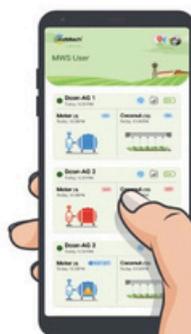
Specifications

- Solar Panel: 12.5V/40W
- Battery Bank: 7.4V/ 15Ah
- Internal battery: 3.7V/15Ah
- Backup time: 72 hours
- Cloud communication: GSM/Wifi/LTE
- Local Communication: LoRA (2 band) & Bluetooth 5.0
- Internal Storage: 1 Year Log
- Inbuilt GPS



Long Range

LoRa[®]
Dual Channel



Receive Command from



application



Passes command to the respective valves, sensors & Motor Controllers

Dcon Ag **AIR**