



WACOGNIS

Smart Water

Wacognis SmartWater is an IoT remote control unit for the Wacognis Gea, Flora and Fauna line of water aeration systems, operated from your mobile phone or tablet.



The SmartWater unit provides full Wi-Fi or mobile network real-time remote control and management of a Wacognis system. The unit comes in the form of an IoT module that is plugged into the "IoT ready" port of the Wacognis water aeration unit. Different sensors can then be connected to the unit.



The Android or iOS mobile application enables real-time remote supervision of the sensor data and control of operation, while the SmartWater web application provides advanced system data analytics and visualisation.

Available sensors:

- DO - Dissolved oxygen sensor
- ORP - Oxidation-reduction potential sensor
- Water pressure sensor
- Unit internal temperature and humidity
- Surrounding air ozone concentration
- Electrical current sensor (power, provided to the unit)
- Temperature (ozone generator, compressor, unit internal ambience temperature, water temperature)
- External reservoir floating switch connector



Benefits

- Real-time alerts and notifications
- Remote control and system regulation
- Remote parameter monitoring
- Remote performance monitoring
- Time & cost savings - no need to attend the system in person
- Real-time sensor data analysis and visualisation
- Automatic self-regulation of the system
- Automatic critical shut down
- Cycle trigger timing
- Remote OTA unit firmware update



Features

- Wi-Fi or cellular network connectivity
- Remote system management
- Remote parameter monitoring
- Android, iOS, and web applications (advanced visualisation)
- Connect different sensors
- Control unit subsystems
- Water pump
- Ozone generator
- Oxygen generator
- Optional additional gas generator, or an external source (external pump)