



# The Next Evolution in Farm Management

Your Comprehensive Solution for Remote Control & Monitoring



## Why RADIO RTU System?



### Extended Range

Extend the capabilities of your Sapir 2 and Dream 2 system 2 effortlessly with the G5 RADIO RTU System. This advanced solution serves as a wireless extension, allowing you to control and monitor your farm's equipment seamlessly from anywhere.



### Every crop, every farm size

Designed to complement the Sapir 2 and Dream 2, the G5 RADIO RTU System enhances your farm's remote management capabilities, meeting the needs of both straightforward and complex operations.



### Sustainability and Environmental Protection

By choosing the G5 wireless system, you're also opting for a sustainable solution. Forego copper wires and radiation-intensive setups, lowering your environmental impact and carbon footprint.

## ★ Key Features ★

### Robust & Scalable Hardware:

- **Up to 600 RF RTUs:** Expand your monitoring and control as your farm grows.
- **Long-Range Operation:** Up to 2 miles range between remote units.
- **Energy-Efficient:** Choose from various battery types or solar panels.

### Advanced Control & Monitoring:

- **Controlling:** Pumps, valves, fertilizer injectors, filters, and more.
- **Monitoring:** Water meters, fertilizer meters, water level in tanks, reservoirs and wells, pressure sensors, soil moisture, EC and Temperature, water pH and EC, environmental parameters, and more.

### Intelligent Networking:

- **Self-Healing Mesh Network:** Automatically reconnects lost communication links.
- **Automatic Frequency Selection:** No more frequency interference.
- **Communication Retries:** Ensures reliable message delivery.

### Precision in Action:

- **Safety First:** Reliable communication ensures that your equipment works as you intend.
- **Reliable Data Transfer:** Large quantity of data transferred reliably with data validation, ensuring accurate monitoring and control.



## Seamless Communication

- **Two-Way Communication:** Enables robust and reliable data exchange between the controller and remote units.
- **Low Power License-Free:** Operate confidently with low energy consumption and without contributing to the environmental impact of high-radiation infrastructure.

## RTU RF ECO

- **2 Output:** Control a single device such as a pump or valve.
- **2 Digital Inputs:** Monitor a data source like water and fertilizers flow or valve status validation.
- **2 Analog Inputs:** Support for 4-20mA / 0-5V sensors, making it versatile for various monitoring needs.
- **Energy Options:** Operate on 4 X "C" type alkaline batteries for an energy-efficient solution, or with a solar panel and rechargeable battery when monitoring analog sensors.
- **Simplified Setup:** Ideal for scenarios where two devices with or without sensors are near each other.

## RTU ECO Mini

- **1 Output:** Control a single device such as a pump or valve with ease.
- **1 Digital Input:** Monitor a single data point, like water flow or valve status validation.
- **Powered by Batteries:** Operate on 4 X "C" type alkaline batteries for a compact and energy-efficient solution.
- **Versatile Setup:** Perfect for both small and large-scale operations where individual elements are scattered across various locations.

## Real-Time Alerts

- **Stay Informed:** High/low flow, leaks, pressure issues, and more.
- **Instant Notifications:** Sent directly to your phone.

## RTU RF MODULAR

- **Multiple Outputs:** Choose from 2/4/6/8 outputs to control a variety of devices.
- **Digital Inputs:** 0/4/8 digital inputs for comprehensive monitoring.
- **Analog Inputs:** 0/2/4 analog inputs for 4-20mA / 0-5V, SDI-12 sensors, offering versatility in monitoring.
- **SDI-12 Inputs:** 10 SDI-12 sensors, up-to 48 values, offering effective monitoring with large quantity of values.
- **LIN Expansion:** Expand your system with LIN protocol for even more flexibility and control.
- **Energy Options:** Choose from alkaline batteries or solar panels for an eco-friendly setup.
- **Programmable:** Easily programmable using mini rotary switches or PC connection.

## RTU RF SDI

- **SDI-12 Support:** Seamlessly integrates with SDI-12 sensors for advanced monitoring.
- **Large-Scale Monitoring:** Ideal for monitoring a large number of parameters in one location.
- **Energy-Efficient:** Operate on solar panels or alkaline batteries for a sustainable solution.
- **High-Resolution Data:** Obtain precise measurements for better decision-making.



# Contact Us



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