

Introduction to New Commercial Products

The Intelligent Use of Water.™

New COM Products!





ESP LX-IVM Controller

IQ4 Central Control

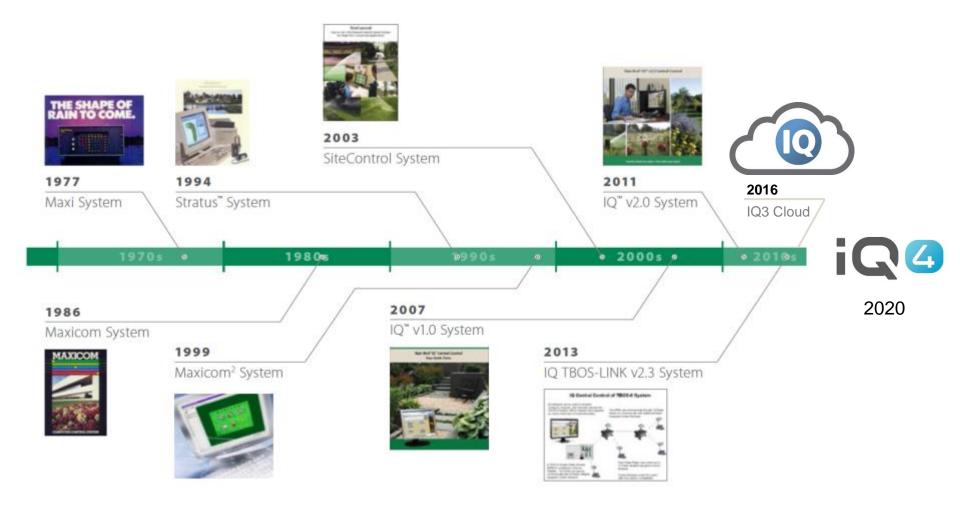
Rain Bird - Central Control



Ahwatukee Country Club Phoenix, Arizona (1978)



Over 40 years of expertise



Reasons Customers Buy Central Control

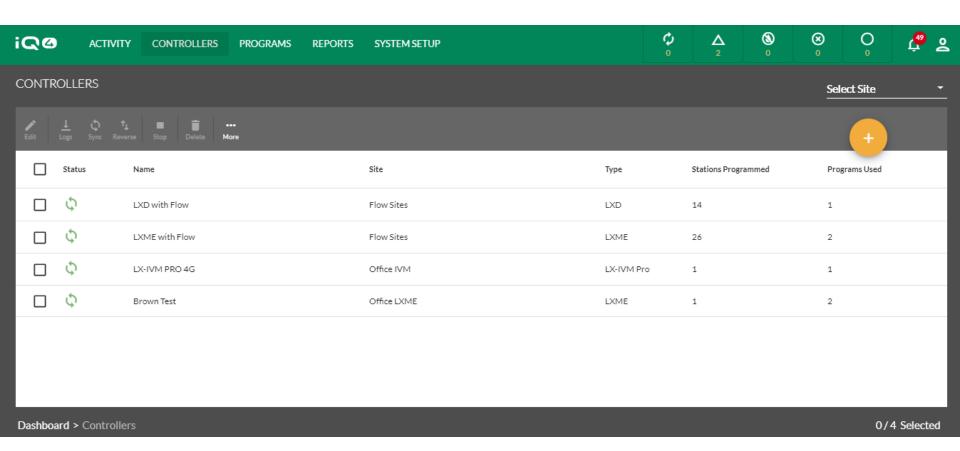
- Program, monitor, adjust, and manually operate remote site controllers from a computer – Saves time & labor, do more with less
- Automatically adjust controller programming based on the weather conditions – Saves water, labor, money
- Automatically react to and be notified of problem flow conditions, shutting down the valve or water source – Saves water & limits liability
- Track water usage, create reports Show your customer or organization how much water you have saved
- Track manual operation and programming changes made at the controller – Prevent unauthorized access



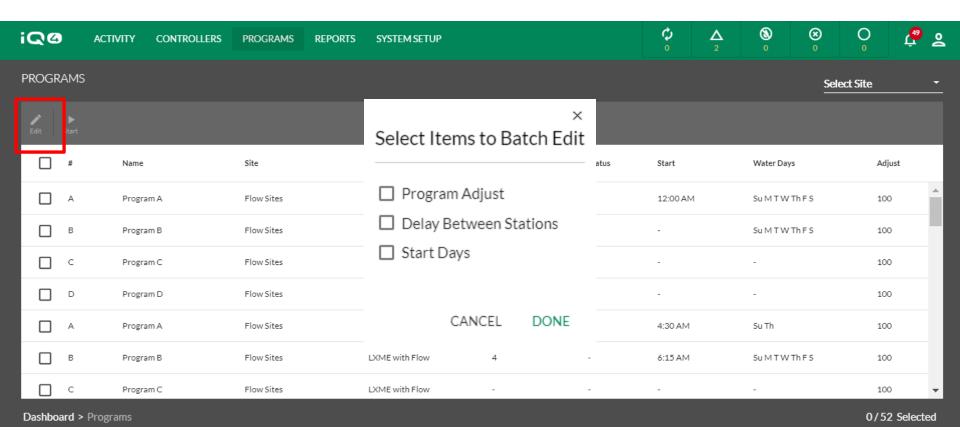
IQ4→4 Things to Know

- Easy setup and access 100% Web Browser Based
 - Easy upgrade from IQ3
 - No time needed to train users
- Complete control with mobile device
 - Reporting and text notifications on phones
- New features simplify programming and management of controllers
- Faster

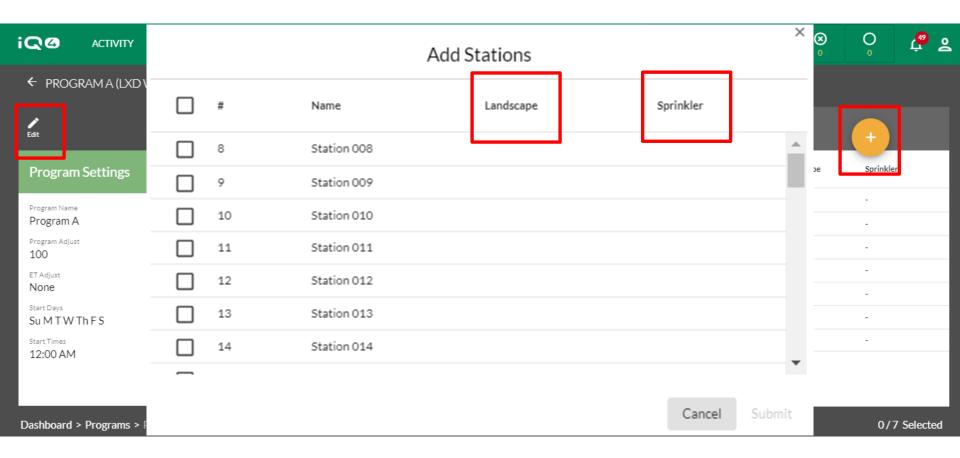
IQ4 Controllers Screen



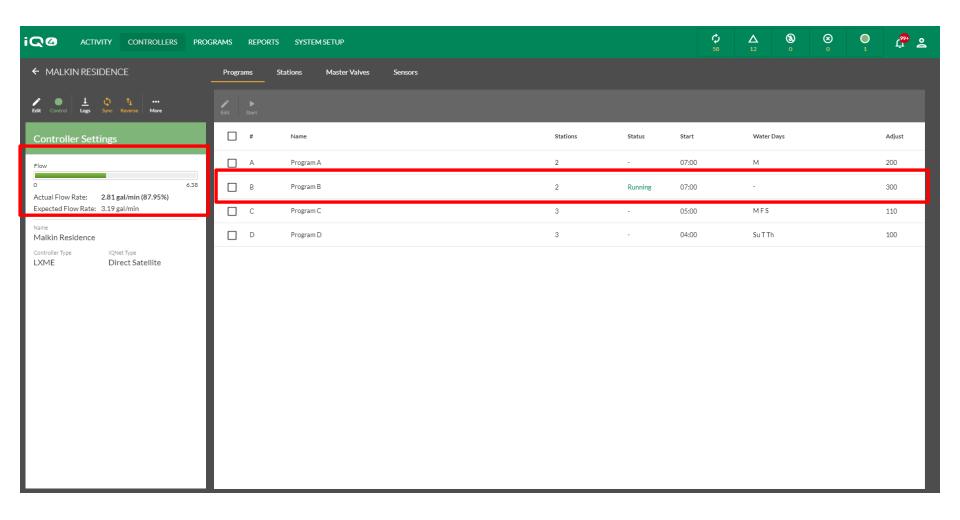
IQ4 Controller Program Screen



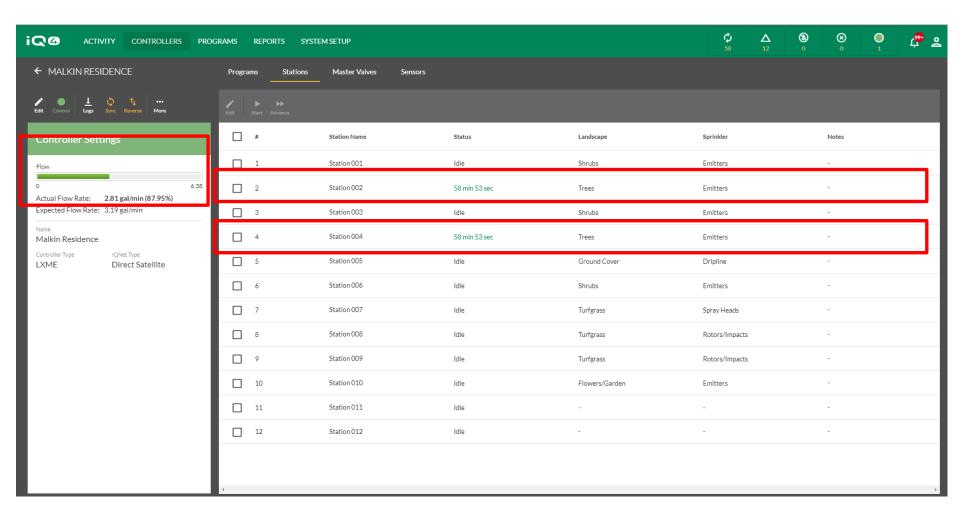
Edit Program Screen



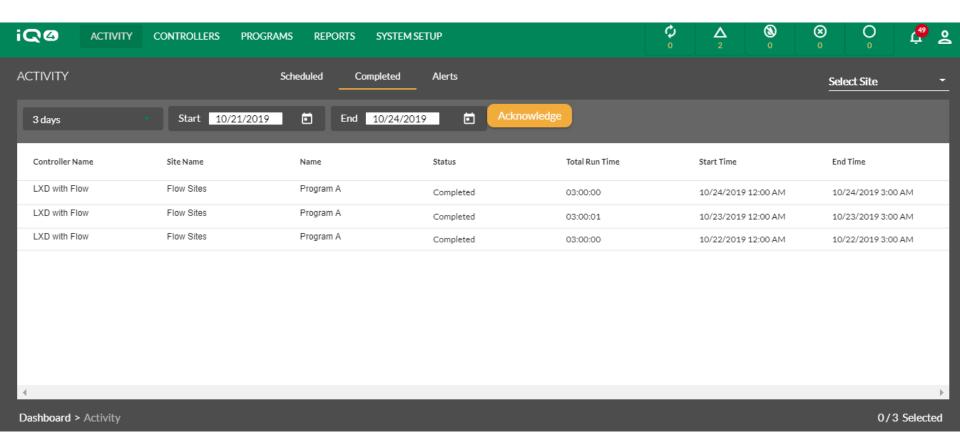
Manual Operations



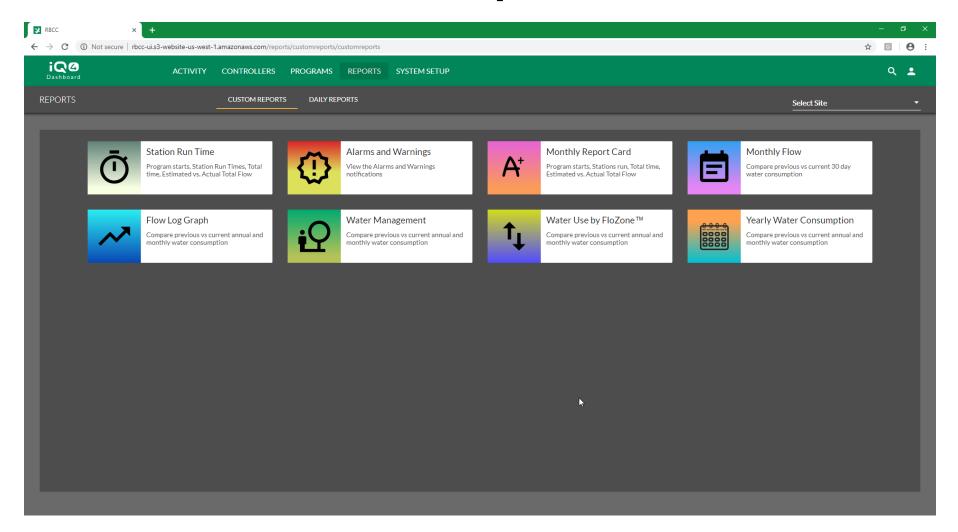
Manual Operations



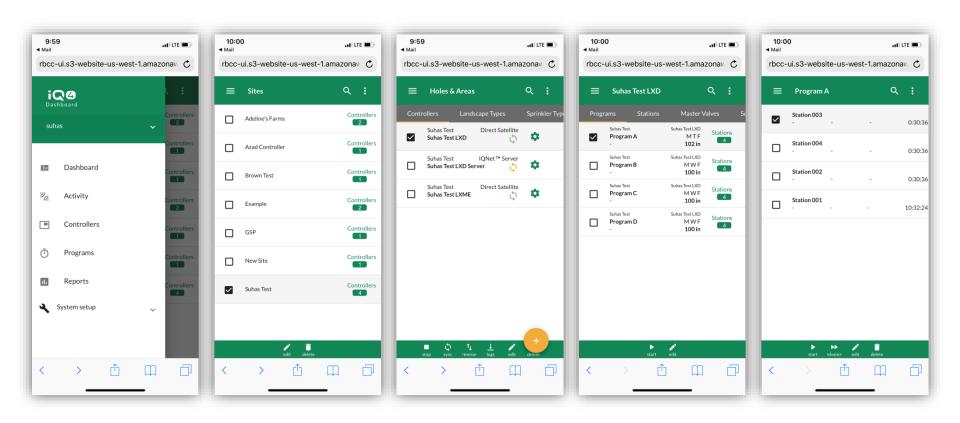
Activity Screen



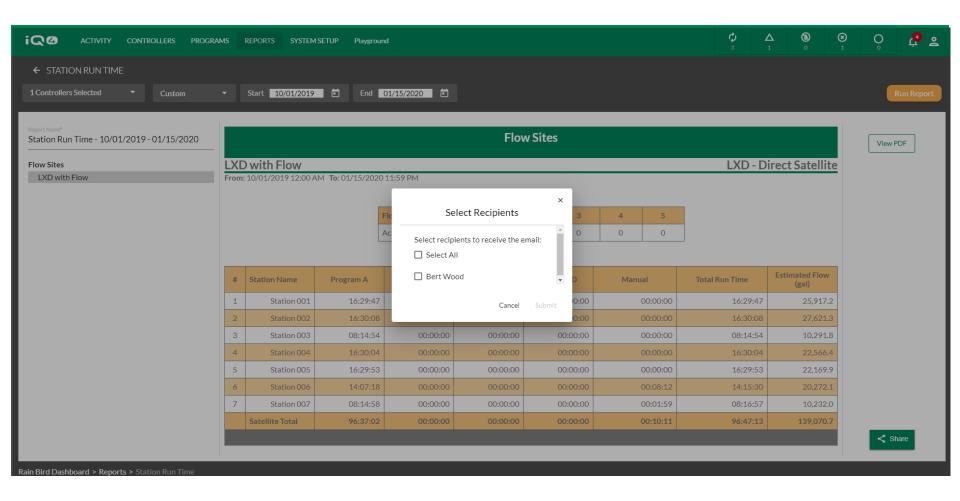
IQ4 Reports



Mobile Accessibility



Example Report



New COM Products!





ESP LX-IVM Controller

IQ4 Central Control

The future is Two-Wire Systems

- Adaptable to phased projects
- Reduced installation time
- Reduced wire costs
- Increased wire run lengths
- Higher Capacity
 - Larger station counts
 - More Sensors (Flow and weather)
 - More simultaneous stations





Next Generation Controller

Goal

- Create the easiest to use controller
- Best in class specs
- Revolutionize two-wire systems with innovative technology
 - Simplify installation
 - Improve reliability
 - Set a new standard with diagnostic capabilities
- Result→ The new ESP LX-IVM Controller and IVM field devices

What is IVM?

- IVM → Integrated Valve Module
- New Two-Wire device → NO MORE DECODERS, it's built into the solenoid which fits Rain Bird valves
- It's more than a solenoid or a decoder...It's an entire controller
- Two way communication with faster response times and enhanced diagnostics
- Eliminates decoder and 50% of wire connections





New LX Controller



ESP LX-IVM Series 2-Wire Controllers

ESP LX-IVM

- 60 Stations
- 5 Master Valves
- 5 Flow Sensors
- 4 Weather Sensors (1 local)
- 8 SimulStations
- 10 Programs

ESP LX-IVM PRO

- 240 Stations
- 10 Master Valves
- 10 Flow Sensors
- 8 Weather Sensors (1 local)
- 16 SimulStations
- 40 Programs

"No Expansion Modules"

ESP LX-IVM



ESP LX-IVM PRO



IVM-Series Field Devices

IVM-SOL

Commercial Valves interface — Fits PGA, PEB, EFB, & BPE Valves



IVM-SEN

For weather and flow sensors



IVM-OUT

Adapts third party valves to work in our system -Requires DC Latching Solenoid

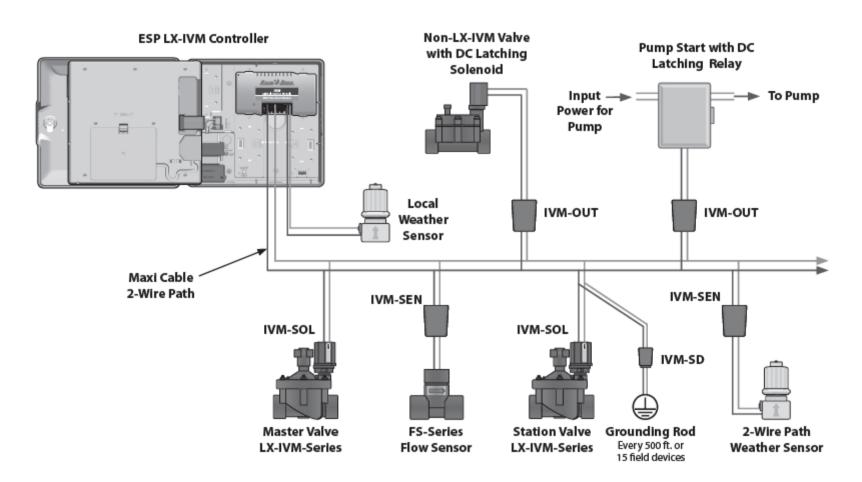


IVM-SD

Surge Protection Install every 500' or 15 field devices.



IVM System Layout



LX Series Features

- FloWatch → Leak detection
- FloManager → Compressed Water Schedules
- Learn Flow
- Assignable Master Valve
- Assignable Weather Sensors
- Cycle & Soak and Station Delay
- Water Windows
- Seasonal Adjust

Familiar User-friendly Interface!





Key Point – Diagnostics / Self-Healing!





- 4 Isolated Wire Paths ensure that shorts don't take down the full system
- 2-Wire Mapping and List-Not-Responding identifies device failures
- Trending 12-month electrical history reports and proactive action
- Self-healing and restart after 2-Wire shorts
- Two-Way Communication with devices activates self-shutoff when power is absent

IVM – 4 Things to know

Controller

- This is the best and most advanced controller on the market
- New User Interface is a lot easier to use
 - 2.5x Bigger screen, backlight
 - Less Dial Positions and backlit buttons

IVM SOL

- The IVM Technology is a game changer for two wire and will be the future
 - 50% less wire splices = 200% more reliable
 - Advanced diagnostics pinpoint problems
- Can't be mixed with other decoder systems

What about the LXD?

