Rain Bird® IQ™ v2.0 Central Control

Exactly what you want. Only what you need.
Rain Bird® IQ™ v2.0 Central Control adapts to meet your changing irrigation needs.

Landscape maintenance contractors, property managers and water managers face more irrigation challenges than ever before, from increased water restrictions and liability concerns to time and budgetary constraints. Bringing The Intelligent Use of Water™ to life yet again, IQ™ v2.0 makes promoting a healthy landscape easier and more efficient by letting you control irrigation at remote sites from a single computer. But that’s not all. IQ v2.0 delivers a full range of advanced features, from Advanced ET to Advanced Flow Sensing, so you can replace your challenges with solutions.

Remarkable convenience.

The communication capabilities of IQ v2.0 virtually eliminate the need to travel to remote sites. Manual operations and programming functions previously performed at the on-site irrigation controller can now be done from the IQ central computer. Better yet, with the intuitive user interface of IQ v2.0, monitoring your system and making adjustments quickly become second nature.

Unprecedented flexibility.

Choose IQ v2.0 and know you’ve made the right decision for today—and for the future. Only pay for the hardware and functionality you need right now. The modular design of IQ v2.0 and ESP-LX Series Controllers allows you to easily and affordably add new features, stations, controllers and even sites over time.

Powerful features.

We’ve made IQ v2.0 more intelligent, more robust and even more powerful. Create and distribute detailed reports with Advanced Communications, while securing your system with Advanced Programming. Save money and meet heightened water restrictions with a full array of weather-based, Advanced ET features and hardware. Monitor and automatically react to pipe breaks, while protecting yourself against costly repairs and litigation, through Advanced Flow Sensing features. With IQ v2.0, you can truly do it all.
Basic System Components

The IQ™ v2.0 system is comprised of these basic components: the central computer, IQ v2.0 software, one or more on-site controllers and a communications link.

Central Computer

Monitor and adjust watering schedules for all of your controllers and sites from your compatible Windows® PC.

IQ™ v2.0 Software

Easily installed on your central computer, this simple-to-use software makes controlling and monitoring irrigation for numerous sites seem like child’s play. With built-in control for up to five satellites, IQ v2.0 satellite capacity can be easily and affordably expanded in 5-station increments to meet your system requirements.

On-Site Irrigation Controllers

IQ v2.0 Direct, Server and Client Satellites provide on-site irrigation control. Choose the Rain Bird® ESP-LXME Controller for traditionally wired control or the Rain Bird® ESP-LXD Controller for two-wire, decoder-based control. Each features the Extra Simple Programming language for easy set-up and adjustments.

IQ v2.0 NCC Network Communication Cartridge

Allowing the central computer to connect to controllers in the field, the NCC Cartridge converts the ESP-LXME or ESP-LXD Controller to an IQ v2.0 Direct, Server or Client Satellite. Choose from a variety of communication options for Direct and Server Satellite configurations: 1) direct connect cable; 2) radio modem; 3) phone; 4) GPRS/cellular; 5) Ethernet; and 6) Wi-Fi. Installation of the NCC Cartridge requires no tools and takes just a few minutes. Hardwire and radio modem communication options are supported between Server and Client Satellites.
**Advanced System Features and Components**

Build the central control system that best meets your irrigation needs by choosing from a broad array of advanced IQ™ v2.0 system features and components.

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**Advanced Communication**

Unlock the IQ v2.0 Advanced Communication Feature Pack for the ability to create, share and monitor a wealth of information about your IQ v2.0 system.

- E-mail alarm/warning and station run time log reports to up to 250 e-mail addresses.
- Configure satellites using phone communication to initiate communication with the IQ v2.0 central computer.
- Program the central computer to automatically send programming and retrieve logs from satellites.

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**Advanced ET**

Combine the IQ v2.0 Advanced ET Feature Pack with a weather data source to maximize water efficiency through real-time, weather-based adjustments to the irrigation programs.

- Collect weather data from a weather source and calculate ET rates.
- Calculate base station run times with the Station Runtime Calculator.
- Automatically adjust calculated base station run times and program day cycles using the ET Checkbook.
- Send adjusted station run times and program day cycles to IQ v2.0 Satellites.

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**Advanced Programming**

Add an extra level of security and control to your system by unlocking the IQ v2.0 Advanced Programming Feature Pack.

- Prevent unauthorized personnel from making programming changes at IQ v2.0 Satellites through pin-code protection.
- From the IQ v2.0 central computer, view a list of site personnel who have accessed each IQ v2.0 Satellite that includes date and time.
- Accept or reject programming changes made at the satellites to each IQ v2.0 Satellite at the IQ v2.0 central computer.

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**Advanced Flow Sensing**

Monitor and automatically react to costly pipe breaks by combining the IQ v2.0 Advanced Flow Sensing Feature Pack with a Flow Smart Module and Flow Sensor.

- Upload minute-by-minute flow logs and alarms to the IQ v2.0 central computer, and create flow graphs and reports.
- Station flow rates are learned by the Learn Flow Utility.
- Real-time flow rates are compared to learned flow rates.
- Automatically diagnose problem flows to determine whether they are caused by a break in a main line or lateral line.
- Automatically close the master valve or station valve to isolate the problem.
Available Communications Options

The IQ™ v2.0 NCC Cartridge lets the central computer talk to your system’s on-site irrigation controllers (where the NCC Cartridge is installed). Depending on your control and site needs, you can configure your system using Direct Satellites, Server Satellite and Client Satellites. Your system can use one satellite type or a combination of satellite types.

### IQ Central to IQ Direct Satellites

- IQ Central Computer
- Phone
- Direct-Connect
- Internet
- GPRS Cellular Tower
- Spread Spectrum Radio
- Ethernet/LAN
- Wi-Fi/LAN
- Wi-Fi Router

### IQ Central to IQ Server Satellites

- IQ Central Computer
- Phone
- Direct-Connect
- Internet
- GPRS Cellular Tower
- Spread Spectrum Radio
- Ethernet/LAN
- Wi-Fi/LAN
- Wi-Fi Router

### IQ Server Satellites to IQ Client Satellite

- IQ Central Computer
- IQ Server Satellite
- PE-Cable
- Spread Spectrum Radio
The next evolution of The Intelligent Use of Water.™

Furthering Rain Bird’s commitment to responsible water use, IQ v2.0 Software conserves water while also saving time and effort through innovative features and an intuitive user interface.

Site Selection Grid: View the programmed site list with Out of Sync, Alarm and Off condition indicators. Select a site or sites to configure, program or at which to manually operate a satellite.

Satellite Buttons: Add, configure, program, dry-run or manually operate a satellite.

Site Logs Buttons: View event logs and create site and satellite reports.

System Status Icons: Get one-click access and current status of Alarms, Warnings, Rain Delay, Off and Communication Connections.

One-Click Buttons: With a mouse click, synchronize your satellites with the central computer, retrieve event logs from satellites, add a new site or edit an existing site.

Water Management Buttons: Adjust site level ET and percentage station run time.

Operating Status Buttons: Prevent watering on select calendar dates, for a day range or indefinitely.

Communications Status: View the last three System Event Logs.
“The IQ v2.0 system has been a very effective system in helping our clients reduce their water use and allowing us to manage their irrigation.”

—Chris Le Conte, President
Smart Watering Systems, Inc.

“Rain Bird products like IQ v2.0 continue to be the highest quality commercial irrigation products on the market. With Rain Bird, the guesswork is eliminated with extremely well-thought-out products. And even though the products are designed to be simple to use, Rain Bird’s service is there to back you up every step of the way.

—Dwayne Willis, Supervisor II
Miami Dade County Public Schools
At Rain Bird, we believe it is our responsibility to develop products and technologies that use water efficiently. Our commitment also extends to education, training and services for our industry and our communities.

The need to conserve water has never been greater. We want to do even more, and with your help, we can. Visit www.rainbird.com for more information about The Intelligent Use of Water™.