RAIN BIRD IQ PLATFORM

The new IQ Platform delivers powerful remote water management tools so you have more control over your irrigation systems right from your computer, tablet or smartphone. To use IQ, you will need an ESP-LXME or ESP-LXD Controller with a Network Communication Cartridge (Wi-Fi, Ethernet, Cellular).

COMPARE AND CHOOSE THE IQ SOLUTION THAT IS RIGHT FOR YOU

• **IQ-Cloud for multi-user access.**

Choose IQ-Cloud if you manage a single site, schools, parks, municipal, or other properties that require access by multiple users in your organization.
- Mobile compatible
- No annual fees
- Easy to set up and use

Go to www.rainbird.eu and take control now.

• **IQ-Enterprise lets you implement IQ-Cloud on a private server.**

- Meet strict firewall and security restrictions without sacrificing features and mobility
- No annual fees
- Leverage existing Wi-Fi networks to reduce or eliminate data fees

Please talk to your local Rain Bird sales representative about how to take advantage of IQ-Enterprise.

• **If you are already an IQ user, you can keep using IQ-Desktop. If you want to upgrade for mobile access, go to www.rainbird.eu and sign-up for IQ-Cloud.**

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- Mobile compatible
- No annual fees
- Easy to set up and use

FEATURES AVAILABLE ON THE IQ PLATFORM

- Manage irrigation schedules based on weather conditions
- Automate e-mail alerts and alarms to manage exceptions
- Know which zones are operating and where, down to the minute
- Create and share reports on total water usage
- Restrict access to the satellite controllers with pin code

- Monitor system performance and identify problems with Flow Watch™
- Remote diagnostics for two-wire systems
- To ensure customer's systems are compatible with future technologies and feature enhancements, hardware upgrades will be required every 5 years.

CENTRAL CONTROL

IQ PLATFORM

The IQ Platform offers state-of-the-art command and control features in an easy to learn and use interface. IQ provides advanced water management features saving money and time. The IQ Platform consists of three options: IQ-Desktop v. 3.0, IQ-Cloud v. 3.0, and IQ-Enterprise v. 3.0.

APPLICATIONS

All IQ versions provide remote programming, management, and monitoring of ESP-LX Series Controllers from the computer in your office. IQ is the perfect irrigation control solution for parks departments, school districts, property managers, landscape maintenance contractors, and water managers. IQ can manage small single-controller sites as well as large multi-controller sites and supports both ESP-LX Series traditionally wired and 2-wire decoder controllers.

• IQ-Desktop

is installed and operated on a single desktop computer. IQ-Desktop is ideal for organizations with one administrator who can control the system from their computer in their office. The IQ-Desktop software package provides 5-satellite controller capacity. IQ software satellite controller capacity can be upgraded in 5-satellite increments with the IQ5SATSWU.
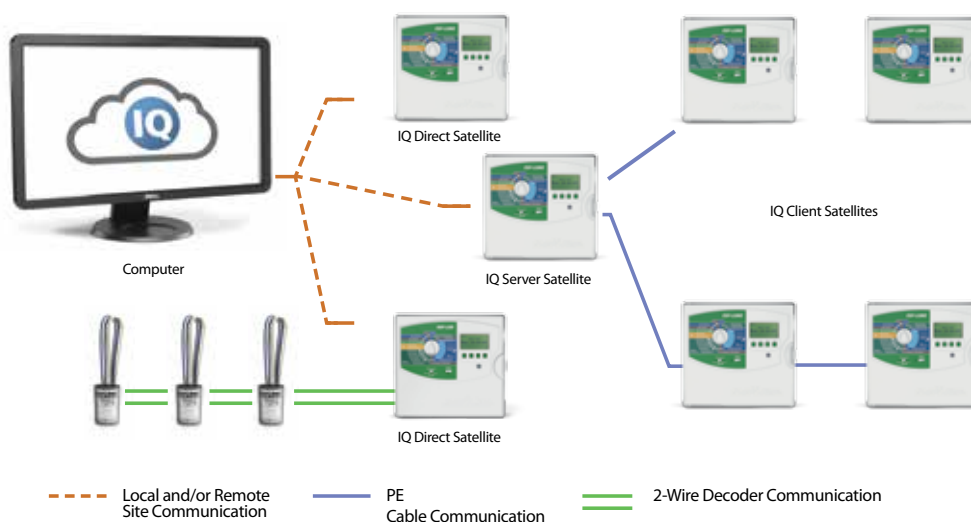
• IQ-Cloud

is a cloud based service allowing users to login and control their irrigation system from any internet connected device. IQ-Cloud is ideal for organizations with multiple irrigation system administrators and/or users that require mobility. IQ-Cloud features IQ Mobile which provides quick access to key features in an interfaced designed for touchscreen devices found in smartphones or tablets. Users are not restricted to an initial capacity and can add satellites at will. Internet access is required.

• IQ-Enterprise

is installed on a server and enables organizations with internet access security restrictions and a robust local area network to install their own private IQ-Cloud. Users can get all the mobility benefits of IQ-Cloud and comply with IT restrictions. IQ-Enterprise software package provides 5-satellite controller capacity. IQ software satellite controller capacity can be upgraded in 5-satellite increments with the IQ5SATSWU.

IQ SOFTWARE FEATURES

- Software 5-satellite controller capacity 5-Satellite Capacity upgradable in 5-satellite increments (Desktop & Enterprise)
- Compatible with ESP-LXM & ESP-LXME traditionally-wired and ESP-LXD 2-wire decoder controllers
- Site, satellite, and station names
- Programming in seconds, minutes, and hours
- Daily or Monthly Seasonal Adjust % or ET station Run time adjustments by site
- Dry-Run™ Graphical Program Review
- Manual Program, Test Program, Station starts
- Detailed logs and reports
- Automated or user initiated satellite Synchronize
- Automated Email Alarm/Warning and Satellite Station Run Time Reports
- Satellite 2-Way Programming (changes made at the satellite can be viewed and accepted in the IQ software)
- Copy/Move Satellite Utility (copy or move a satellite to another site)
- Automated MAD (Management Allowed Depletion) Irrigation Scheduling adjustments

Computer

IQ Direct Satellite

IQ Server Satellite

IQ Client Satellites

IQ Direct Satellite

- - - - Local and/or Remote Site Communication

—— PE Cable Communication

—— 2-Wire Decoder Communication

- Software uses Irrigation Association terminology and formulas
- ET/Rainfall Weather Sources include:
  - Rain Bird WSPROLT Weather Station
  - Rain Bird WSPRO2 Weather Station
- IQ Global Weather Internet Service which provides local weather data including rain fall.
- 4 ET Checkbooks per satellite controller
- Export to Microsoft Excel® for customized reports
- Retrieves minute-by-minute flow logs from flow sensor equipped ESP-LXMEF and ESP-LXD Satellite Controllers
- Flow Logs vs. Projected Flow Graphical Report (identifies which programs & stations where running at any point in time)
- Actual Flow Totals added to Satellite Station Run Time Report (included in Automated Email Reports)
- Context-sensitive help system. Click on the help icon available in most screens and be taken directly to the help topic feature you are using.
- User selectable languages include English, Spanish, French, German, Italian, and Portuguese

ADDITIONAL 5-SATELLITE CAPACITY UPGRADE

- IQ Software satellite controller capacity can be upgraded in 5-satellite increments
- Additional capacity is added through a purchased software activation keycode

RECOMMENDED COMPUTER REQUIREMENTS FOR IQ-DESKTOP

- Operating System: Windows® XP, 7 or 8, 32-bit or 64-bit
- Processor: Intel I5-540M or equivalent
- RAM Memory: 3 GB
- Available Hard Disk Space: 10 GB
- CD-ROM Drive: 8X speed minimum
- Display Resolution: 1024 x 768 minimum
- Network Connection (for Ethernet, WiFi, GPRS communication)
- Serial Port or USB to Serial Adapter (for Direct Connect and External Modem communication)

RECOMMENDED SERVER REQUIREMENTS FOR IQ-ENTERPRISE

- Intel I5-540M processor
- 3GB RAM
- 10 GB free disk space
- Windows Server 2008 R2

IQ-MOBILE (AVAILABLE WITH IQ-CLOUD AND IQ-ENTERPRISE)

- Use smartphones and tablets as a remote
- Start stations, start programs, start test programs
- Set Rain delays and turn controllers off/auto
- View current satellite controller status
- View logs
- Accessible from all smartphone and tablet internet browsers

IQ NCC NETWORK COMMUNICATION CARTRIDGE

Upgrades any ESP -LX Series Controller to an IQ Central Control Satellite Controller

■ IQ NCC Network Communication Cartridges upgrade LX-IQ Platform standalone controllers to IQ satellite controllers capable of being controlled by the IQ Cloud.

■ The NCC cartridge snaps into the back of the controller faceplate and provides the communication link between the IQ central computer and the remote site controllers.

■ IQ NCC cartridges are compatible with the ESP -LXME traditionally-wired controllers with 1 to 48 station capacity and ESP –LXD 2-wire controllers with 1 to 200 station capacity.

- **IQ NCC-GP GPRS/Cellular Cartridge**
  - Used for DIRECT or SERVER Satellite applications requiring wireless GPRS / Cellular communication with the IQ Cloud.
  - Includes embedded GPRS /Cellular Data Modem with antenna connector
  - Includes internal antenna for plastic controller enclosures (optional external antenna available for metal case controller enclosures).

  - Available with SIM card and one year GPRS communication.

- **IQ NCC-EN Ethernet Cartridge**
  - Used for DIRECT or SERVER applications requiring Ethernet LAN network communication with the IQ central computer.
  - Includes embedded Ethernet Network Modem with RJ-45 port.
  - Includes RJ-45e patch cable.
  - Requires LAN network static IP address.

- **IQ NCC-WF WiFi Cartridge**
  - Used for DIRECT or SERVER applications requiring WiFi LAN wireless network communication with the IQ central computer.
  - Includes embedded WiFi Wireless Network Modem with antenna connector.
  - Includes internal antenna for plastic controller enclosures (optional external antenna available for metal case controller enclosures).
  - Requires LAN wireless network static IP address.

- **IQ NCC-RS RS232 Cartridge**
  - In DIRECT Satellite configuration, can only be used for IQ Desktop
  - Used for DIRECT or SERVER Satellite applications requiring direct cable connection or external modem (radio or other 3rd-party device) communication with the IQ central computer.
  - User in each CLIENT Satellite applications requiring IQ Net high-speed data cable or radio communication with the SERVER Satellite.
  - Includes RS -232 Port for IQ Direct Cable or External Modem communication connection to the IQ central computer.
  - Includes external modem cable (IQ Direct Cable provided with IQ Software Package).

The Intelligent Use of Water.™