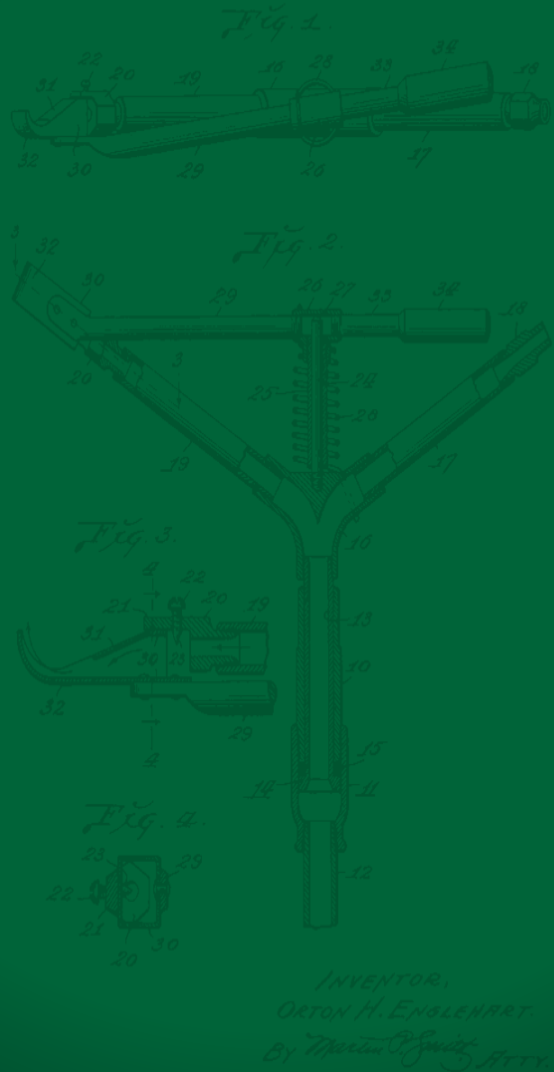


April 16, 1935

G. H. ENGLEHART
WATER SPRINKLER
FILM No. 19, 190

1,997,901



IQ4 New Features-2022

New features added on March 11, 2022

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New Features Overview

- **NEW! Clear Log Retrieval Alarms if a retry is successful**
- **NEW! Calculate scheduled end times in the Program tab**
- **NEW! Scheduled Email Reports**
- **NEW! Metric flow units corrected**
- **NEW! Add Change button for IP Address Field**
- **NEW! Diagnostics**
- **NEW! Added a link in IQ4 to the IQ4 Web Page in Dashboard**
- **NEW! Fix the Export to CSV button for Flow Log Graph**
- **NEW! Add Chinese to IQ4 language selection**
- **Miscellaneous bug fixes**

Clear Log Retrieval Alarms on Retry

- IQ4 will issue an alarm to the user when Log Retrieval is unsuccessful
- Previously, the alarm would need to be manually cleared even if a second try to retrieve logs was successful
- Now – when the user tries Log Retrieval a second time and is successful, the alarms will clear automatically
- This feature is user selectable
- Note – alarm history will still be available

Clear Log Retrieval Alarms on Retry

The screenshot displays the iQ4 web interface. The top navigation bar includes 'iQ4', 'ACTIVITY', 'CONTROLLERS', 'PROGRAMS', 'REPORTS', and 'SYSTEM SETUP'. The main header shows 'ESP-LXD Client Controller for ESP-LXME...' with sub-tabs for 'Manual Ops', 'Programs', 'Dryrun™', 'Stations', and 'Mas'. Below this, there are icons for 'Edit', 'Logs', 'Sync', 'Reverse', and 'More'. The 'Diagnostics' tab is active, showing a table of stations and a 'Controller Settings' sidebar.

Controller Settings

LXD Client

Advanced Settings

- Enable Flo-Manager®
- Enable Flo-Watch™
- Auto-Ack Resolved Alarms

Weather: Oro Valley - Arizona

No. Simulstations *
8

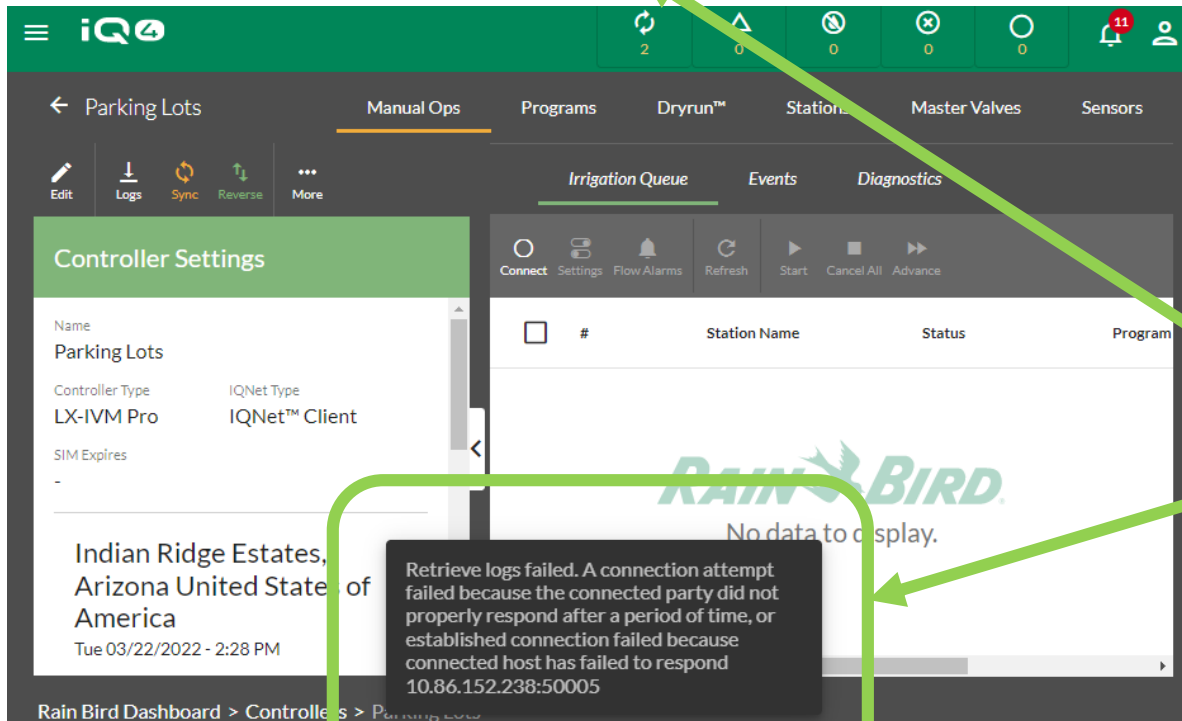
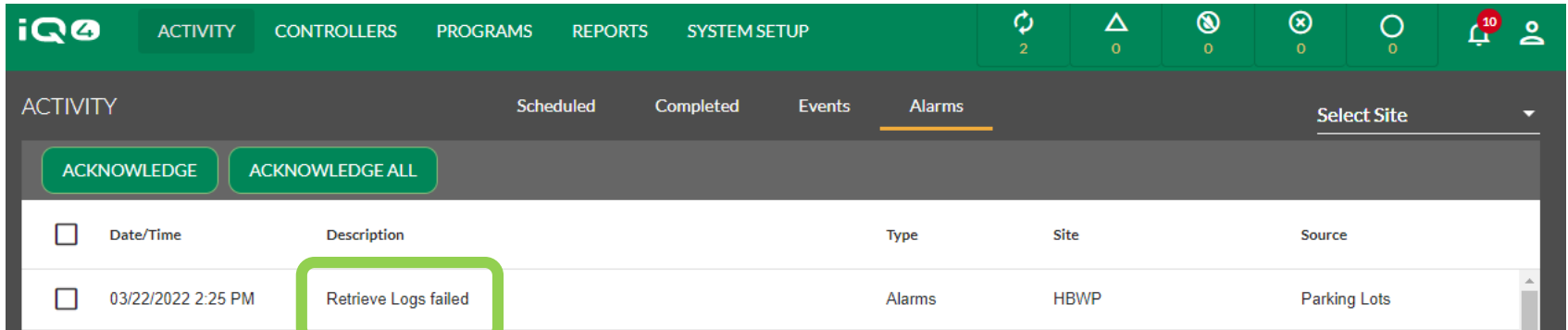
No. Non-irr Simulstations *
1

Sequence By
Station Priority

Station List

<input type="checkbox"/>	#	Name	Type	Address
<input type="checkbox"/>	1	Station 001	Station	123
<input type="checkbox"/>	2	Station 002	Station	124
<input type="checkbox"/>	3	Station 003	Station	125
<input type="checkbox"/>	4	Station 004	Station	126
<input type="checkbox"/>	5	Station 005	Station	127
<input type="checkbox"/>	6	Station 006	Station	128
<input type="checkbox"/>	7	Station 007	Station	129
<input type="checkbox"/>	8	Station 008	Station	130

Clear Log Retrieval Alarms on Retry



These alarms will automatically clear with successful second connection attempt

Calculate Scheduled End Times

- This feature is located in the Program tab
- End times for irrigation programs can be affected by features like Cycle and Soak or Flow Manager that purposefully extend a run time based on various factors
- Now, IQ4 allows you to calculate an accurate scheduled end time for your programs

Calculate Scheduled End Times

The screenshot shows the iQ4 software interface. The top navigation bar includes 'CONTROLLERS', 'PROGRAMS', 'REPORTS', and 'SYSTEM SETUP'. The 'CONTROLLERS' menu is highlighted with a green box. Below it, the 'Programs' tab is selected and also highlighted with a green box. The 'Calculate' button, represented by a clock icon, is highlighted with a green box. A green arrow points from the 'Calculate' button to the 'Projected End' column in the table below. The table has columns for '#', 'Name', 'Status', 'Start', 'Projected End', 'Water Days', and 'Adjust'. The 'Projected End' column is highlighted with a green box. The table contains four rows of data:

#	Name	Status	Start	Projected End	Water Days	Adjust
3	Program 3	-	-		-	100
4	Program 4	-	-		-	100
5	Program 5	-	-		-	100
6	Program 6	-	-		-	100

Calculated end time will display here

Scheduled Email Reports

- IQ4 offers powerful reporting on various metrics of your irrigation system's performance
- New to IQ4 is the ability to schedule the distribution of these reports
- Scheduled reports will be sent on a daily basis for easy monitoring. Option to skip blank reports can reduce clutter for your daily monitoring needs

Scheduled Email Reports

REPORTS Custom Report **Scheduled Reports**

Report	Schedule	Sites	Recipients	Status
<input type="checkbox"/> Station Run Time	6:00 AM	3		Active
<input type="checkbox"/> Alarms and Warnings	8:00 AM	1		Active

ADD REPORT

Subject *
CONTROLLER DIFFERENCES

Who From *
rmalkin

Do not send report if the report content is blank.
 Disable Report

Scheduled Time
6:00 AM
Click to add +

Time Zone *
(UTC-07:00) Arizona

Sites: 4 SELECT...
Recipients: 2 SELECT...

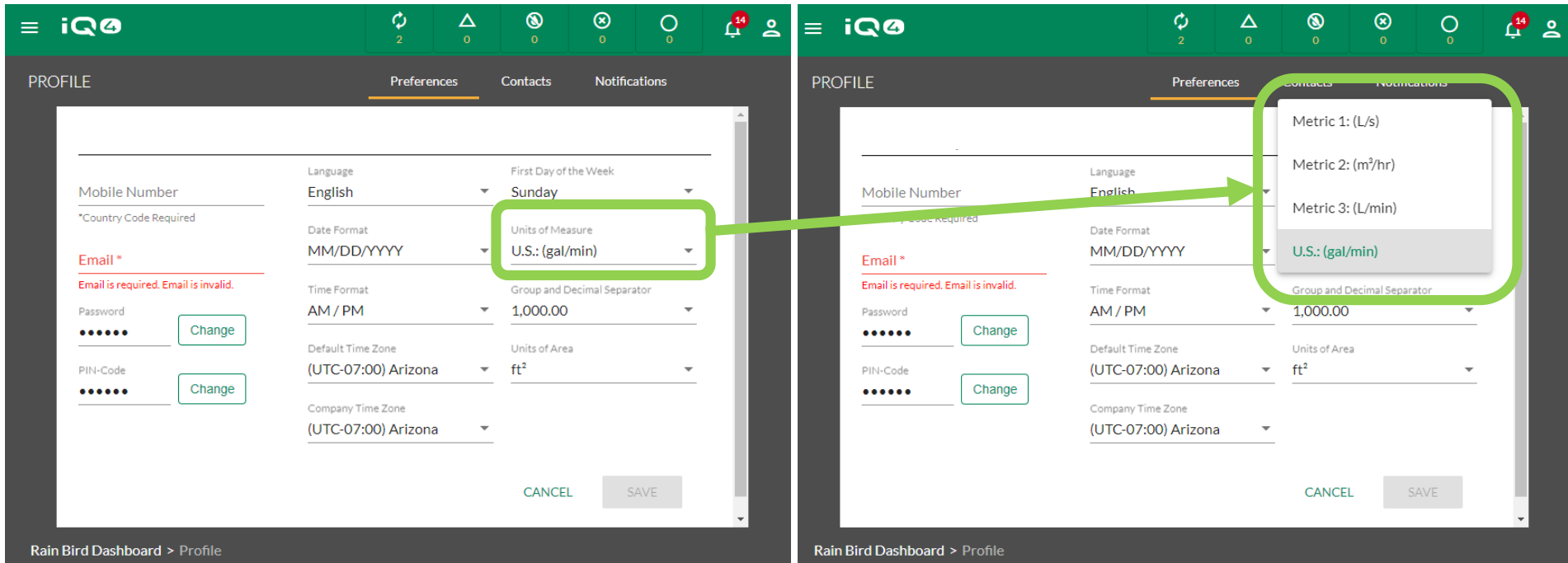
CANCEL SAVE

- STATION RUN TIME
- ALARMS AND WARNINGS
- PIN-CODE AUDIT
- CONTROLLER DIFFERENCES

Metric Flow Unit Improvements

- Previous versions of IQ4 may have output incorrect values for flow levels when converting to Metric units
- This release has fixed this issue and Metric units will now be correct for flow reading

Metric Flow Unit Improvements



*Multiple Metric measurement options available

Added Change Button For IP Address Field

- Especially important for users migrating from a 3G NCC unit to a 4G NCC unit, but also for any user needing to make an IP address change
- The IP address field now features a Change button to make corrections or moves to a new NCC unit much easier and more simple

Added Change Button For IP Address Field

The screenshot displays the Rain Bird ESP-LXME2 Server Controller interface. On the left, the 'Controller Settings' panel is open to 'Communication Settings'. The 'IP Address' field is currently set to '10.70.191.207'. A green box highlights the 'Change' button next to this field, with a green arrow pointing to a modal dialog box titled 'Change IP Address'.

The 'Change IP Address' dialog box contains the following information:

- Upgrading 3G to 4G
- Other
- New IP Address *
10.86.25.41
- The current cellular cartridge will have its service disconnected, and its 0 days of pre-paid service will be added to the expiration date of the new device.
- CANCEL SAVE

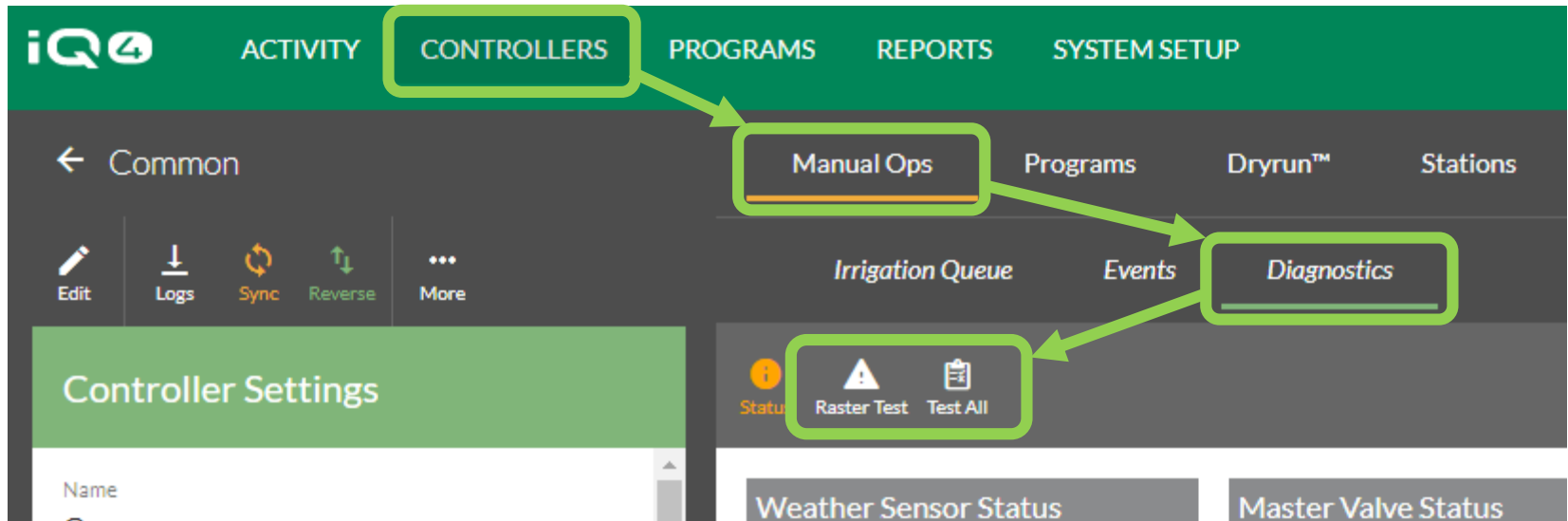
At the bottom of the interface, the breadcrumb trail reads: Rain Bird Dashboard > Controllers > ESP-LXME2 Server Controller.

Diagnostics – ESP-LX Controllers

- Part of the Manual Ops page in IQ4 Cloud
- View logged results of existing diagnostic information like the status of the Master Valve or Weather Sensor
- Run diagnostics depending on your controller’s offerings. New diagnostics include;
- [Learn more about Diagnostics here](#)

LXIVM and LXIVM Pro	LXD	LXME
Implement - “Test All Stations”	Implement - “Test All Stations”	Implement – “Test All Stations”
Implement – “Ping Test”	Implement – “Ping Decoders”	
Implement – “Respond List”	Implement – “Decoder Test”	

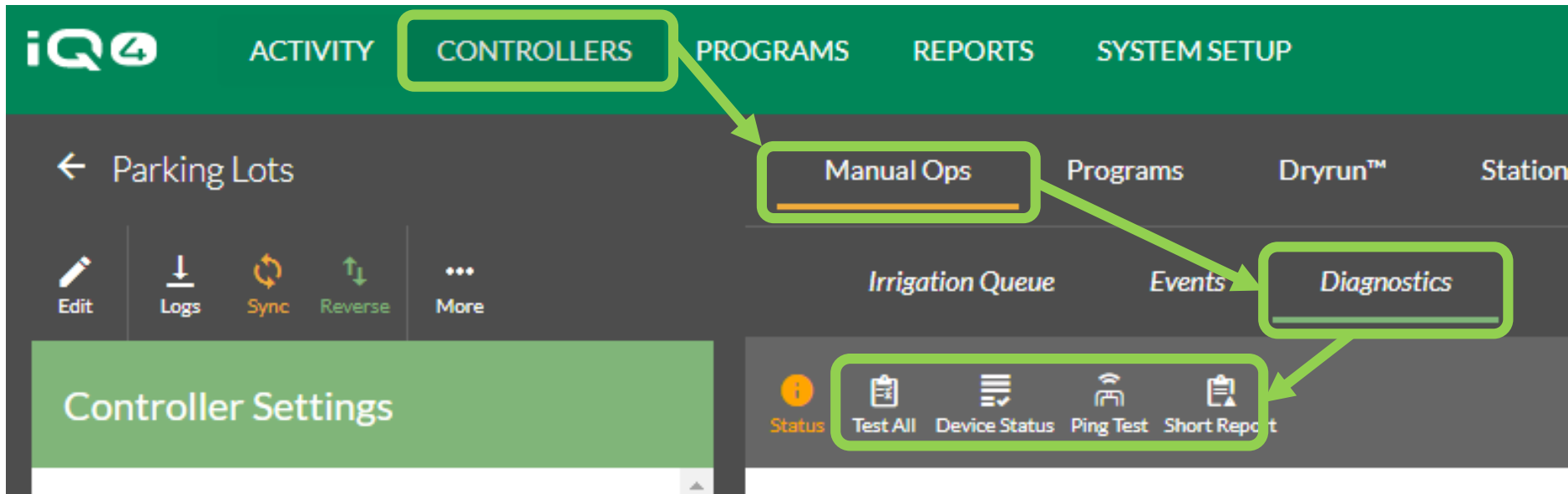
Diagnostics – ESP-LXME/ESP-LXME2



Diagnostics – ESP-LXD

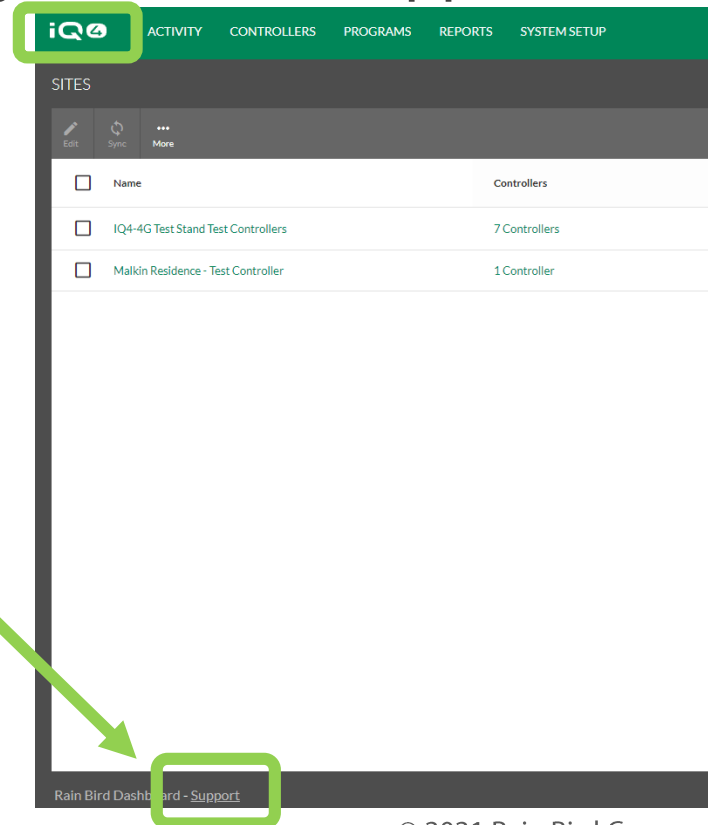
The screenshot displays the iQ4 irrigation control interface. At the top, a green navigation bar contains the iQ4 logo and menu items: ACTIVITY, CONTROLLERS, PROGRAMS, REPORTS, and SYSTEM SETUP. The CONTROLLERS menu item is highlighted with a green box. Below this, a dark grey header shows the controller name 'ESP-LXD Client Controller for ESP-LXME...' and sub-menu items: Manual Ops, Programs, Dryrun™, Stations, and Master. The Manual Ops menu item is highlighted with a green box. Under Manual Ops, there are sub-items: Irrigation Queue, Events, and Diagnostics. The Diagnostics menu item is highlighted with a green box. Below the Diagnostics menu, a row of diagnostic tools is shown: Status (with an orange warning icon), Test All, Short Finding, Decoder Test, and Ping Decoders. This row is also highlighted with a green box. On the left side, a green 'Controller Settings' panel is partially visible, showing the controller name 'ESP-LXD Client Controller for ESP-'. At the bottom, two grey status boxes are visible: 'Weather Sensor Status' and 'Master Valve Status'.

Diagnostics – ESP-LXIVM



Link to IQ4 Web Page in the IQ4 Dashboard

- The IQ4 Dashboard now features a link to the main IQ4 Product Page on Rain Bird's website
- Visit the IQ4 Product Page for training information, technical documents, specification drawings, and other support related items
- Click on IQ4 logo
- Click on Support



Link to IQ Web Page in the IQ4 Dashboard

The screenshot shows the IQ4 Dashboard interface. At the top, there is a navigation bar with the IQ logo and menu items: ACTIVITY, CONTROLLERS, PROGRAMS, REPORTS, and SYSTEM SETUP. On the right side of the navigation bar, there are several status icons: a refresh icon with the number 2, a triangle icon with 0, a circle with a slash icon with 0, a circle with a cross icon with 0, and a circle with a dot icon with 0. A notification bell icon with a red '3' is also present.

Below the navigation bar, the main content area is titled 'SITES'. On the right side of this header, there is a 'Select Site' dropdown menu. On the left side, there are icons for 'Edit', 'Sync', and 'More'. A large orange '+' button is located on the right side of the table header.

<input type="checkbox"/>	Name	Controllers	Time Zone	Description
<input type="checkbox"/>	Default Site	Add Controller	US Mountain Standard Time	
<input type="checkbox"/>	HBWP	2 Controllers	US Mountain Standard Time	HBWP site Orlando Training

At the bottom left of the dashboard, there is a link labeled 'Rain Bird Dashboard - Support' which is highlighted with a green box and a green arrow pointing to it. At the bottom right, there is a status indicator '0 / 2 selected'.

Export Flow Log Graph to CSV Fixed

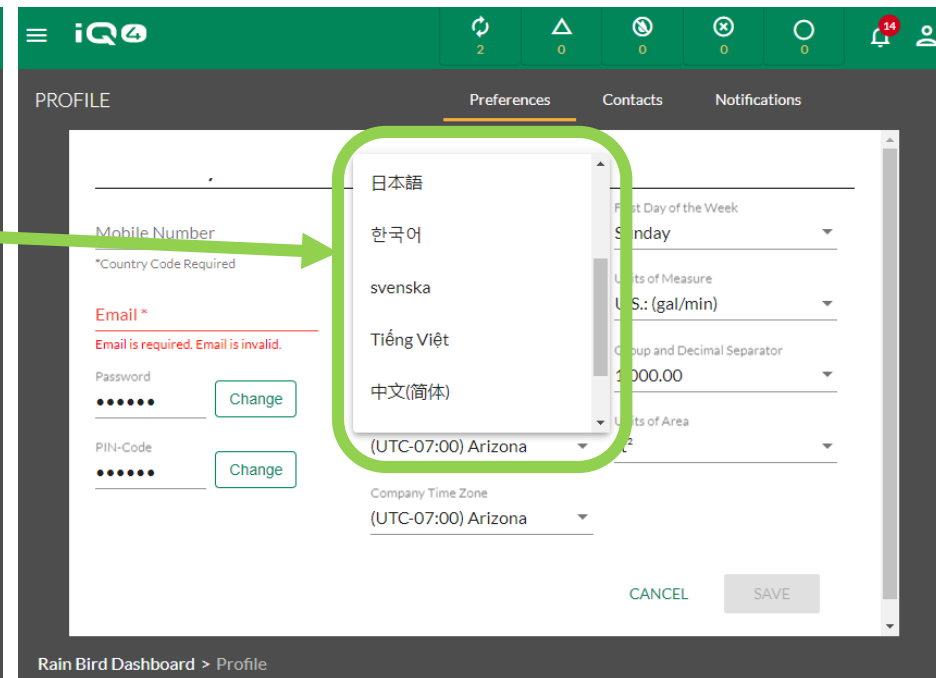
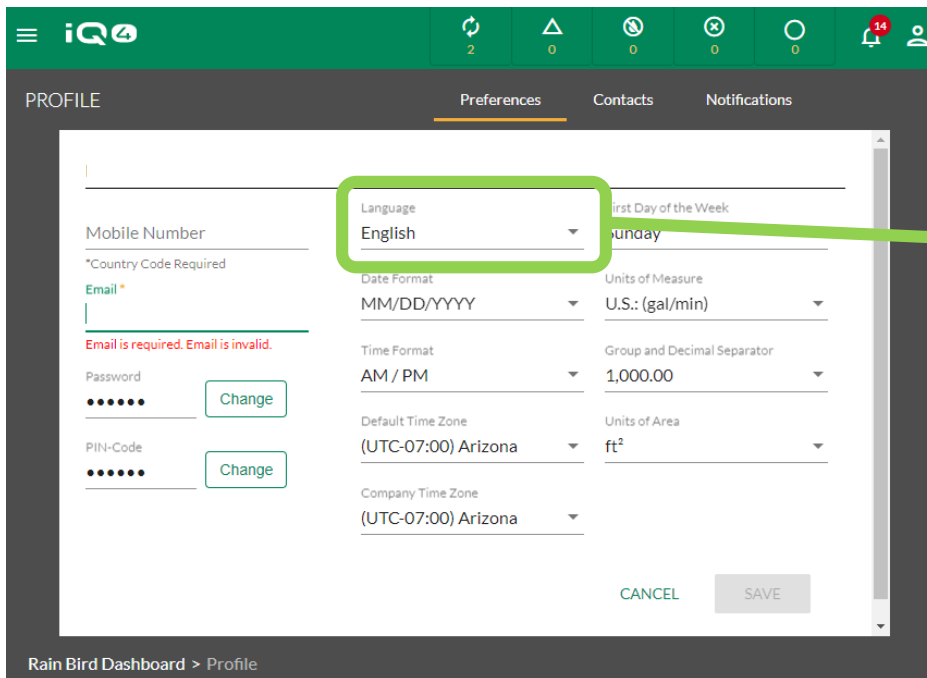
- Flow Log Graphs previously exported incorrectly to CSV files
- This has been fixed and Flow Log Graphs now export correctly in to CSV file types

Export Flow Log Graph to CSV Fixed

The screenshot displays the iQNet software interface. At the top, a green navigation bar contains the iQNet logo and menu items: ACTIVITY, CONTROLLERS, PROGRAMS, REPORTS, and SYSTEM SETUP. On the right side of this bar are several icons, including a refresh icon with the number '2', and other status icons. Below the navigation bar, a breadcrumb trail shows '← FLOW LOG GRAPH'. A control panel includes '1 Controller Selected', a start date of '02/13/2022' at '12:00 AM', an end date of '03/22/2022' at '12:52 PM', and a green 'RUN REPORT' button. The main content area is titled 'Parking Lots' and 'LX-IVM Pro-iQNet™ Client'. It shows a line graph with 'Flow Rate (gal./min)' on the y-axis and 'Flow Date' on the x-axis. The x-axis labels range from 02/13/2022 5:00 PM to 03/21/2022 5:00 PM. A green arrow points from the 'Export to CSV' button in the top right corner of the graph area to a file download icon in the bottom left corner of the interface, which shows a file named 'FlowLogGraph (2).csv'. Other buttons visible include 'View PDF', 'Share', and 'Show all'.

Added Chinese Language Option

- IQ4 now supports Chinese as a language selection option



Miscellaneous bug fixes

- Various miscellaneous bugs in IQ4 have been identified and fixed with this release

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