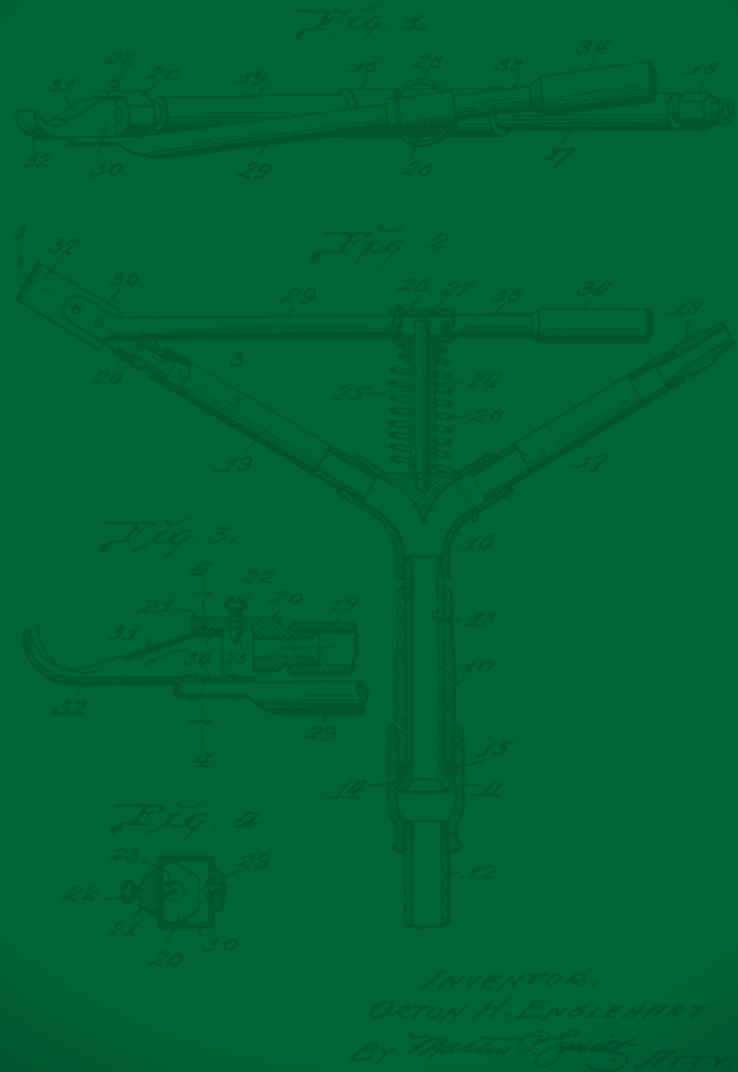


April 16, 1935.

O. H. ENGLEHART
WATER SYSTEMS
Filed Dec. 18, 1933

1,997,901



RAIN  **BIRD**®

iQ4

IQ4 – ESP-LXME2 Setup

IQ4 – ESP-LXME2

The ESP-LXME2 controller is a new “traditionally wired” controller from Rain Bird. It can connect to the IQ4 Cloud system for full central control functionality.

- Works with IQ4-Cloud software (Not compatible with IQ3)
- Contains 40 programs
- Allows two Master Valves (one full MV and one NC/Pump Start functionality)
- Programs like the ESP-LXME controller
- Currently is in Field Test and requires authorization to work with IQ4-Cloud

IQ4 – ESP-LXME2

iQ4
ACTIVITY
CONTROLLERS
PROGRAMS
REPORTS
SYSTEM SETUP
Playground

4
 4
 0
 0
 0
 99+

← ESP-LXME2 - RICK'S DESK

Manual Ops
Programs
Dryrun™
Stations
Master Valves
Sensors

Controller Settings

Name
ESP-LXME2 - Rick's Desk

Controller Type
LXME2

SIM Expires
-

IQNet Type
Direct Satellite

Edit
Start
Stop All

<input type="checkbox"/>	#	Name	Stations	Status	Start	Water Days	Adjust
<input type="checkbox"/>	1	Program 1	4	-	4:00 AM	Su MTWThFS	100
<input type="checkbox"/>	2	Program 2	4	-	2:00 AM	Su MTWThFS	100
<input type="checkbox"/>	3	Program 3	4	-	5:00 AM	Su MTWThFS	100
<input type="checkbox"/>	4	Program 4	4	-	6:00 AM	Su MTWThFS	100
<input type="checkbox"/>	5	Program 5	4	-	3:00 AM	Su MTWThFS	100
<input type="checkbox"/>	6	Program 6	4	-	1:00 AM	Su MTWThFS	100
<input type="checkbox"/>	7	Program 7	-	-	-	-	100
<input type="checkbox"/>	8	Program 8	-	-	-	-	100
<input type="checkbox"/>	9	Program 9	-	-	-	-	100
<input type="checkbox"/>	10	Program 10	-	-	-	-	100
<input type="checkbox"/>	11	Program 11	-	-	-	-	100
<input type="checkbox"/>	12	Program 12	-	-	-	-	100
<input type="checkbox"/>	13	Program 13	-	-	-	-	100

Rain Bird Dashboard > Controllers > ESP-LXME2 - Rick's Desk
0 / 40 Selected

ESP-LXME2 with IQ4

Users with existing IQ4 Account

IQ4 – ESP-LXME2

Add a controller

- Controller page -> click on orange circle with + sign to add the controller

The screenshot displays the Rain Bird IQ4 CONTROLLERS page. The top navigation bar includes tabs for ACTIVITY, CONTROLLERS, PROGRAMS, REPORTS, SYSTEM SETUP, and Playground. The CONTROLLERS page features a table with the following columns: Status, Name, Site, Last Synchronized, Last Log Retrieve, Type, and Stations Programmed. An orange circle with a plus sign is located in the top right corner of the table area, and a green arrow points to it. The LXME2 button in the right-hand menu is circled in green.

Status	Name	Site	Last Synchronized	Last Log Retrieve	Type	Stations Programmed
<input type="checkbox"/>	ESP-LXD - Client	Malkin Residence - Test Controller	35 days ago	11 days ago	LXD	10
<input type="checkbox"/>	ESP-LXME - Client	Malkin Residence - Test Controller	35 days ago	10 days ago	LXME	10
<input type="checkbox"/>	ESP-LXME2 Server	Malkin Residence - Test Controller	34 days ago	34 days ago	LXME2	20
<input type="checkbox"/>	ESP-LXME2 Test Controller #2	Malkin Residence - Test Controller	13 days ago	13 days ago	LXME2	24
<input type="checkbox"/>	Malkin Residence - Test Controller	Malkin Residence - Test Controller	14 hours ago	12 minutes ago	LXME	10
<input type="checkbox"/>	ESP LXD Test Controller - PM	Testing Controllers	216 days ago	195 days ago	LXD	0
<input type="checkbox"/>	ESP LXIVM PRO Test Controller - PM	Testing Controllers	222 days ago	195 days ago	LX-IVM Pro	6
<input type="checkbox"/>	ESP LXME Test Controller	Testing Controllers	216 days ago	216 days ago	LXME	0
<input type="checkbox"/>	ESP-LXME2 - Rick's Desk	Testing Controllers	18 days ago	3 days ago	LXME2	24

IQ4 – ESP-LXME2

Add a controller – Edit settings

- Add Controller page -> enter settings
- Click on Save

ADD CONTROLLER

LXME2

Name *
ESP-LXME2

Site *
Testing Controllers

IQNet Type *
Direct Satellite

Connection Type
IP Connection

IP Address *
10.10.10.100

Port *
50005

Retrieve Controller Programs & Settings now

CANCEL SAVE

IQ4 – ESP-LXME2

- All programming/scheduling is identical to the ESP-LXME controller except:
 - Programs – There are 40 programs

The screenshot shows the IQ4 web interface for an ESP-LXME2 controller. The top navigation bar includes 'ACTIVITY', 'CONTROLLERS', 'PROGRAMS', 'REPORTS', 'SYSTEM SETUP', and 'Playground'. The main header shows 'ESP-LXME2 - RICK'S DESK' and tabs for 'Manual Ops', 'Programs', 'Dryrun™', 'Stations', 'Master Valves', and 'Sensors'. The 'Programs' tab is active, displaying a table of 40 programs. The table has columns for '#', 'Name', 'Stations', 'Status', 'Start', 'Water Days', and 'Adjust'. Program 40 is circled in green, and a green arrow points to it from the right. The 'Controller Settings' panel on the left shows the controller name 'ESP-LXME2 - Rick's Desk' and type 'LXME2 Direct Satellite'.

#	Name	Stations	Status	Start	Water Days	Adjust
27	Program 27	-	-	-	-	100
28	Program 28	-	-	-	-	100
29	Program 29	-	-	-	-	100
30	Program 30	-	-	-	-	100
31	Program 31	-	-	-	-	100
32	Program 32	-	-	-	-	100
33	Program 33	-	-	-	-	100
34	Program 34	-	-	-	-	100
35	Program 35	-	-	-	-	100
36	Program 36	-	-	-	-	100
37	Program 37	-	-	-	-	100
38	Program 38	-	-	-	-	100
39	Program 39	-	-	-	-	100
40	Program 40	-	-	-	-	100

IQ4 – ESP-LXME2

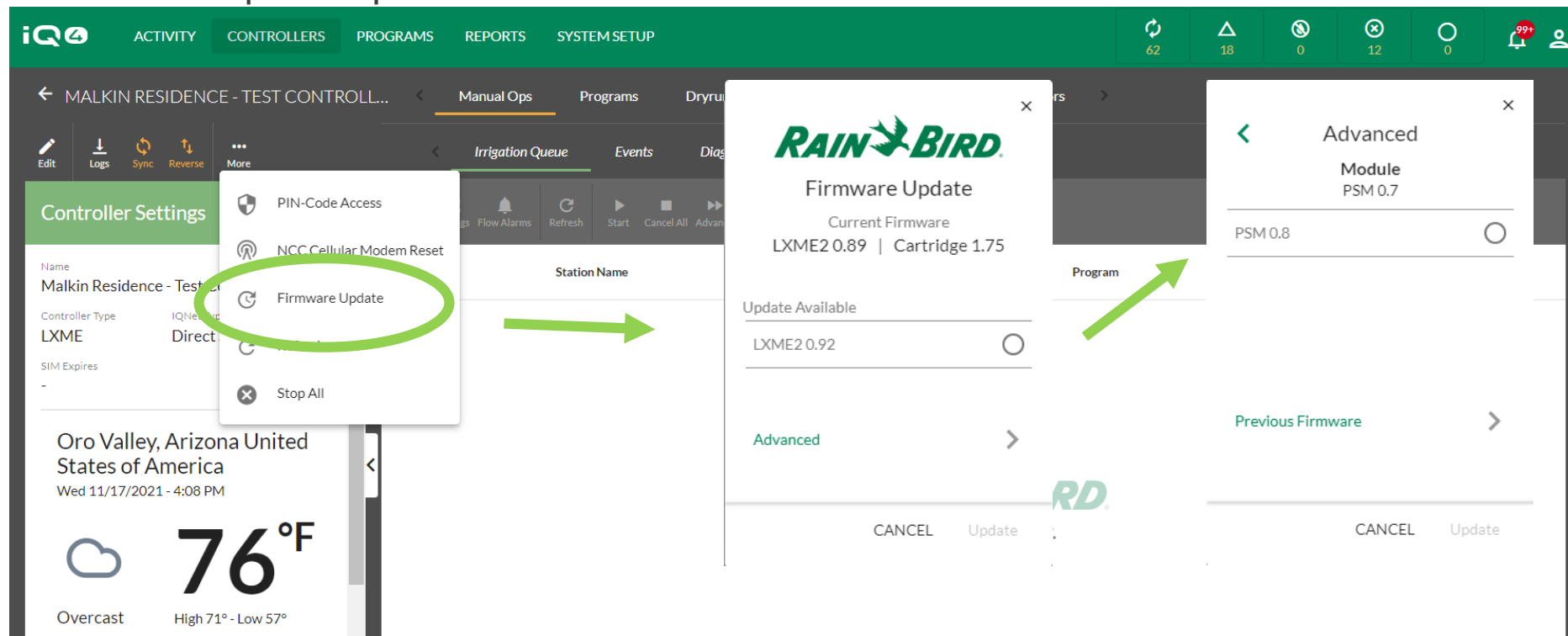
- All programming/scheduling is identical to the ESP-LXME controller except:
 - Master Valves – There are two master valves
 - MV1 is a fully functional MV with setting for Normally Open or Normally Closed
 - MV2 is setup as a NC MV/Pump Start operating as a NC master valve

The screenshot displays the IQ4 web interface for the ESP-LXME2 controller. The top navigation bar includes 'ACTIVITY', 'CONTROLLERS', 'PROGRAMS', 'REPORTS', 'SYSTEM SETUP', and 'Playground'. The main header shows 'ESP-LXME2 - RICK'S DESK' and tabs for 'Manual Ops', 'Programs', 'Dryrun™', 'Stations', 'Master Valves', and 'Sensors'. The 'Master Valves' tab is active, showing a table with two valves. A left sidebar contains 'Controller Settings' for 'ESP-LXME2 - Rick's Desk', including 'Controller Type: LXME2' and 'IQNet Type: Direct Satellite'. The table below lists the valves with their respective settings.

#	Name	Type	Flo-Zone	Flow Rate	Monthly Cycling
1	Master Valve 001	Normally Open	FloWatch™	20.00 gal/min	-
2	Master Valve 002	Normally Closed	-	-	-

IQ4 – ESP-LXME2

- Updating ESP-LXME2 Firmware:
 - There are three items to update – Front Panel, Output module and NCC cartridge
 - To update the firmware, click on the More button above Controller Settings -> select the Update Firmware button. A list of required updates will be shown.



ESP-LXME2 with IQ4

Users without existing IQ4 Account

Registration

1 →

- **Registration.** Enter url:
- 1. <https://www.rainbird.com/products/iq4>

IQ4 Access for PC



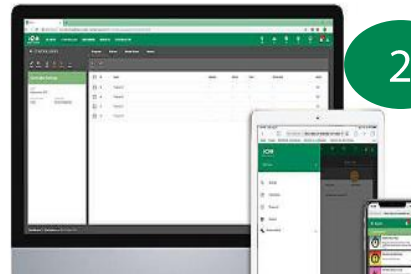
Click IQ4
Registration

IQ4

Modular Multi-Site Central Control

The IQ4 Platform offers state-of-the-art monitoring, programming and control features in an easy to learn user interface. IQ4 provides advanced water management features saving money and time. IQ4 is available in a Cloud-based version.

2 →



IQ4 Registration

IQ4 Access

3 →

**Terms and
Conditions
page**

iQ4

Change Language
français
Deutsche
italiano
Español
português
Türk

Welcome to Rain Bird IQ Cloud.

Before creating your IQ Cloud Login, please read this License Agreement, and scroll down to the bottom where you can Accept the Terms of this License Agreement.

IQ Cloud Software as a Service Agreement of Rain Bird Corporation

You must agree to the Terms of Service.

Registration

1

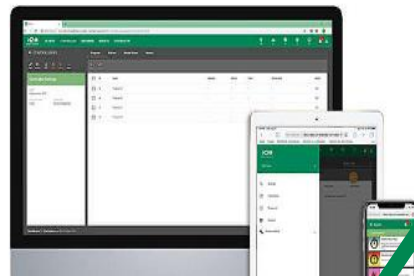
rainbird.com/products/IQ4



IQ4

Modular Multi-Site Central Control

The IQ4 Platform offers state-of-the-art monitoring, programming and control features in an easy to learn user interface. IQ4 provides advanced water management features saving money and time. IQ4 is available in a Cloud-based version.



IQ4 Registration

IQ4 Access

After registration you will click IQ4 access

2

3

Click to Create Account.

IQ4 Access for Mobile Device

A screenshot of the Rain Bird login page. At the top is the Rain Bird logo. Below it are input fields for "Username" and "Password", each with a "Forgot your password?" link. There is a "Remember me" checkbox and a blue "Login" button. At the bottom, a "Create Account" link is highlighted with a green box. A green arrow points from the "Create Account" link to the text "Click to Create Account." with a green circle containing the number "3".

Registration

Select ACCEPT
for Terms and
Conditions

4

17. Survival. Sections 2, 6, 8, 10, 11, 14 and 16 of this Agreement shall survive any termination or expiration of this Agreement. If one or more of the provisions of this Agreement for any reason shall be held to be invalid, illegal or unenforceable in any respect, such invalidity, illegality or unenforceability shall not affect any other provision of this Agreement and this Agreement shall be construed as if such invalid, illegal or unenforceable provisions had never been contained in this Agreement.
18. Waiver. No waiver of any provision of this Agreement or any attachment shall be effective unless it is in writing and signed by the party against which it is sought to be enforced.
19. Force Majeure. Neither party will be deemed to be in default hereunder, or will be liable to the other, for failure to perform any of its obligations under this Agreement for any period and to the extent that such failure results from any event or circumstance beyond that party's reasonable control, including acts or omissions of the other party or third parties, natural disasters, riots, war, civil disorder, court orders, acts or regulations of governmental bodies, labor disputes or failures or fluctuations in electrical power, heat, light, air conditioning or telecommunications equipment or lines, or other equipment failure.
20. Communication Opt In. By checking the following box and providing your contact information, you consent to receive [emails, updates, and other communications] related to [Rain Bird's products and services]. If at any time you wish to opt out of future communications please request so by emailing iqcloudsupport@rainbird.com

Click the checkbox to accept the terms of the License Agreement:

I Accept License

6 (Optional)

ACCEPT

5

New Account

Create a New Account
New user registration

Existing Users
Transfer your IQ3 data into IQ4

Company Information

Company Name

Address

City State Postal Code

Country Company Time Zone

Account Information

Contact Name Phone Number GSP Number

Email

Username & Password

User Name

Password Confirm Password

REGISTER

Registration

- Select either
 - 5. Create New Account
 - 6. (Optional) Existing User (IQ3 User to transfer to IQ4)

Existing users

iQ4

IQ Cloud Registration

Create a New Account
New user registration

Existing Users
Transfer your IQ3 data into IQ4

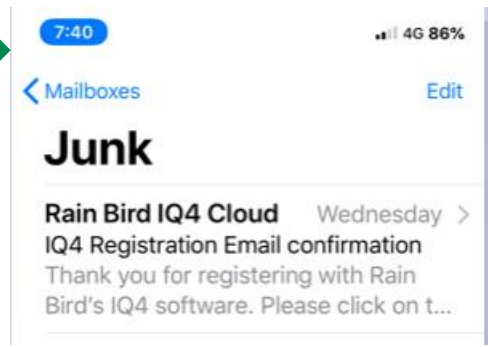
IQ3 User Name

IQ3 User Password

TRANSFER

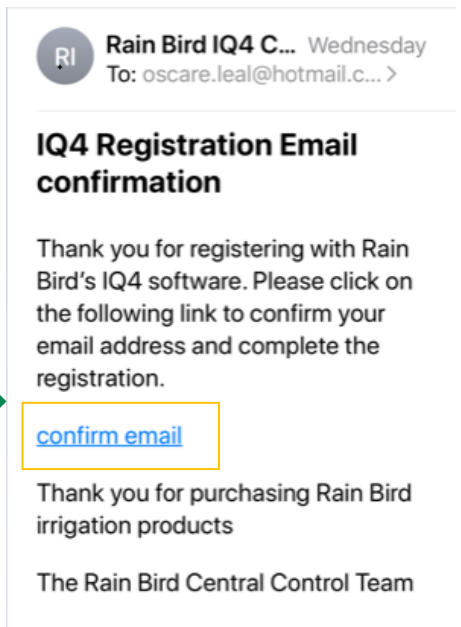
© 2020 - Rain Bird

E-mail Confirmation



7

Please review E-mail confirmation at Inbox or junk



Once E-mail is located Click confirm email

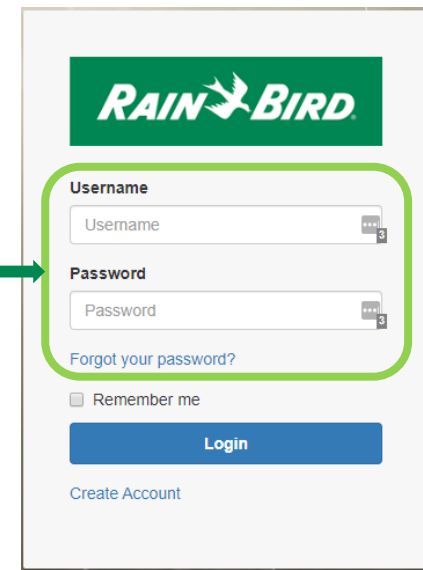
8



You will see this screenshot and Click

9

System is ready for Login access User name & Password



IQ4 – ESP-LXME2

Add a controller

- Controller page -> click on orange circle with + sign to add the controller

The screenshot displays the 'CONTROLLERS' page in the Rain Bird IQ4 dashboard. The page features a table of controllers and a right-hand menu for adding new controllers. The table has the following columns: Status, Name, Site, Last Synchronized, Last Log Retrieve, Type, and Stations Programmed. The right-hand menu includes buttons for LXLD, LX-IVM, LX-IVM Pro, LXME, and LXME2. The LXME2 button is circled in green, and a green arrow points to the orange plus sign button in the top right corner of the table area.

Status	Name	Site	Last Synchronized	Last Log Retrieve	Type	Stations Programmed
<input type="checkbox"/>	ESP-LXD - Client	Malkin Residence - Test Controller	35 days ago	11 days ago	LXD	10
<input type="checkbox"/>	ESP-LXME - Client	Malkin Residence - Test Controller	35 days ago	10 days ago	LXME	10
<input type="checkbox"/>	ESP-LXME2 Server	Malkin Residence - Test Controller	34 days ago	34 days ago	LXME2	20
<input type="checkbox"/>	ESP-LXME2 Test Controller #2	Malkin Residence - Test Controller	13 days ago	13 days ago	LXME2	24
<input type="checkbox"/>	Malkin Residence - Test Controller	Malkin Residence - Test Controller	14 hours ago	12 minutes ago	LXME	10
<input type="checkbox"/>	ESP LXD Test Controller - PM	Testing Controllers	216 days ago	195 days ago	LXD	0
<input type="checkbox"/>	ESP LXIVM PRO Test Controller - PM	Testing Controllers	222 days ago	195 days ago	LX-IVM Pro	6
<input type="checkbox"/>	ESP LXME Test Controller	Testing Controllers	216 days ago	216 days ago	LXME	0
<input type="checkbox"/>	ESP-LXME2 - Rick's Desk	Testing Controllers	18 days ago	3 days ago	LXME2	24

IQ4 – ESP-LXME2

Add a controller – Edit settings

- Add Controller page -> enter settings
- Click on Save

ADD CONTROLLER

LXME2

Name *
ESP-LXME2

Site *
Testing Controllers

IQNet Type *
Direct Satellite

Connection Type
IP Connection

IP Address *
10.10.10.100

Port *
50005

Retrieve Controller Programs & Settings now

CANCEL SAVE

IQ4 – ESP-LXME2

- All programming/scheduling is identical to the ESP-LXME controller except:
 - Programs – There are 40 programs

The screenshot shows the Rain Bird IQ4 web interface for an ESP-LXME2 controller. The top navigation bar includes 'ACTIVITY', 'CONTROLLERS', 'PROGRAMS', 'REPORTS', 'SYSTEM SETUP', and 'Playground'. The main header shows 'ESP-LXME2 - RICK'S DESK' and tabs for 'Manual Ops', 'Programs', 'Dryrun™', 'Stations', 'Master Valves', and 'Sensors'. The 'Programs' tab is active, displaying a table of 40 programs. The table has columns for '#', 'Name', 'Stations', 'Status', 'Start', 'Water Days', and 'Adjust'. Program 40 is circled in green, and a green arrow points to it from the left. The 'Controller Settings' panel on the left shows the controller name 'ESP-LXME2 - Rick's Desk' and type 'LXME2 Direct Satellite'.

#	Name	Stations	Status	Start	Water Days	Adjust
27	Program 27	-	-	-	-	100
28	Program 28	-	-	-	-	100
29	Program 29	-	-	-	-	100
30	Program 30	-	-	-	-	100
31	Program 31	-	-	-	-	100
32	Program 32	-	-	-	-	100
33	Program 33	-	-	-	-	100
34	Program 34	-	-	-	-	100
35	Program 35	-	-	-	-	100
36	Program 36	-	-	-	-	100
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39	Program 39	-	-	-	-	100
40	Program 40	-	-	-	-	100

IQ4 – ESP-LXME2

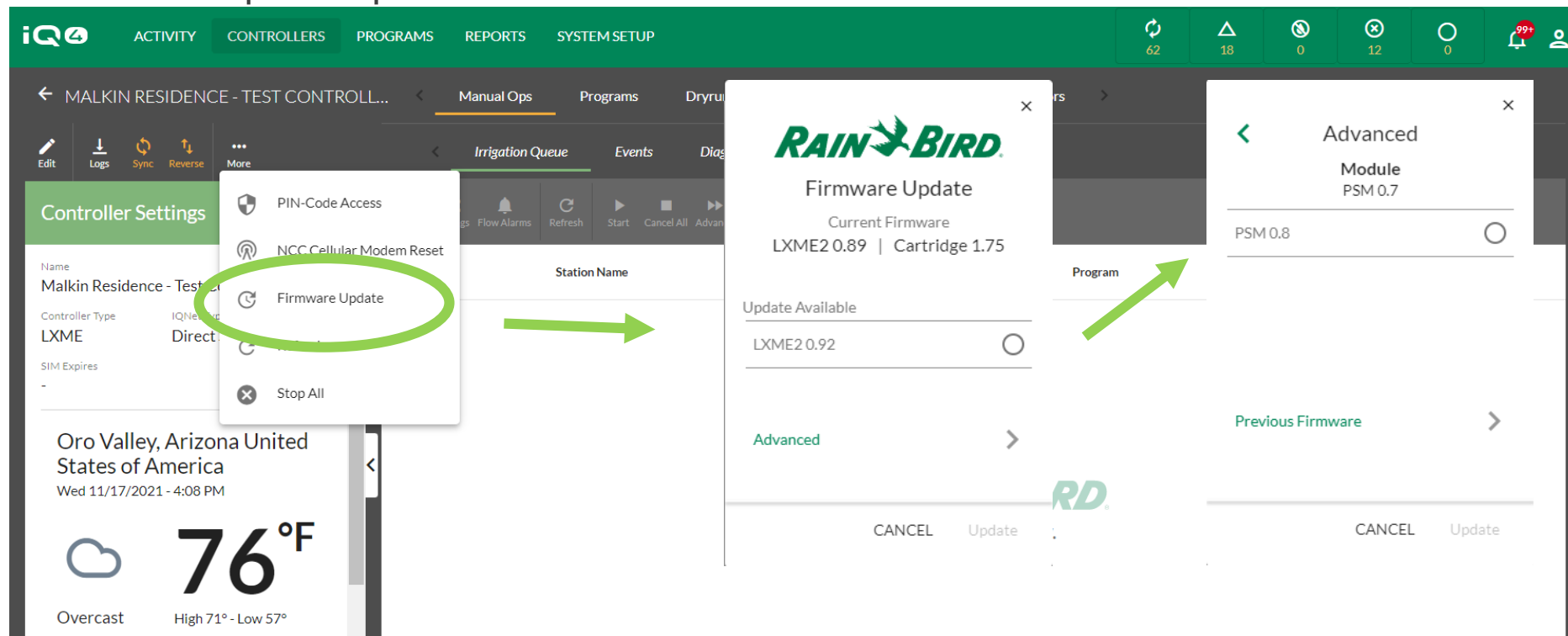
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#	Name	Type	Flo-Zone	Flow Rate	Monthly Cycling
1	Master Valve 001	Normally Open	FloWatch™	20.00 gal/min	-
2	Master Valve 002	Normally Closed	-	-	-

IQ4 – ESP-LXME2

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 - There are three items to update – Front Panel, Output module and NCC cartridge
 - To update the firmware, click on the More button above Controller Settings -> select the Update Firmware button. A list of required updates will be shown.



Support Questions

Support Questions

For support of the ESP-LXME2 controller:

Doug Closter – dcloster@rainbird.com

For support of IQ4:

Rick Malkin – rmalkin@rainbird.com

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