K-Rain Pro EX Wifi Enabled Irrigation Controller

Control and monitor your ProEx Wifi enabled controller from anywhere in the world. K-Rain brings to the cloud the connectivity of the ProEx Wifi enabled controller via the Wifi Hub. A next-generation hardware.

The Pro EX Wifi Irrigation Controller communicates with the K-Rain Application on a smartphone or tablet by using Wifi technology on an iPhone 4s and later.

IMPORTANT:

⚠️ Use only the power supply provided.

Wifi HUB PRODUCT SPECS

K-Rain's Wifi Hub brings to the cloud the connectivity of the ProEx Wifi enabled controller.
A next-generation hardware.

• Ultra Low-Power.

• Supported Networks: 802.11 abgn WPA, WPA2, WEP 64-bit

• Two remote access portals: Control and monitor your ProEx controller from anywhere in the world by:

- iOS device (Phone or Tablet)
- Your web browser.

• Control up to 16 stations in a single app.

• Easy wireless configuration via AP Mode.

• FCC Certified

• Power Source: 100 – 240V AC 50/60 Hz. UL Listed.

• RANGE: up to 200 feet (line of sight) from the Pro EX Wifi enabled controller.

Note: The Wifi Hub communicates with the Pro EX Wifi enable controller via radio frequency and it connects to the internet with its internal Wifi chip.

Smart Irrigation Modes

• Weather IQ Mode: The system checks the rainfall over the last 24 hours based on the weather station connected. If the amount of rainfall is equal or higher than the Weather IQ set, it then suspends the watering for the day.

• Seasonal Adjust: The user can do a master watering run time adjustment by using the Seasonal Adjust Feature.

• Local Mode – Suspend irrigation with rain sensors.

ITEMS NEEDED:

1- Pro Ex Wifi Enabled Irrigation Controller.
2- RF Module
3- Wifi Module

INSTALLATION:

A) Proceed to mount and install the Pro EX Irrigation Controller. Note: Read the irrigation controller manual and follow procedures.

B) Install the RF Module

NO WIRING INSTALLATION OF THE RF MODULE

The Pro EX 2.0 Remote Control System was designed to work right out of the box. Its "plug and play" installation eliminates the need for complicated wiring and installation. You'll find no installation templets, lengthy tool list or the need to drill any through-holes in any walls.

The RF Module receives and transmits communication between the controller and ~~remote~~ other devices. It has no wires to connect and no batteries to replace because it is powered by the controller once installed.

Installation is a simple three step process which only requires a screwdriver.

STEP #1 Remove the protective pin connector cover located at the rear of the controller face.

STEP #2 With the antenna pointing upward and to the right, gently press the RF Module into the recess.

STEP #3 Finger tighten only using a Philips head screwdriver the two mounting screws.

C) Place your Wifi Hub inside of your home, in an area that is nearby to your irrigation controller. Make sure the selected area has a good Wifi Signal.

CREATING A USER ACCOUNT AND SETTING A WIFI HUB CONTROLLER FOR THE FIRST TIME.
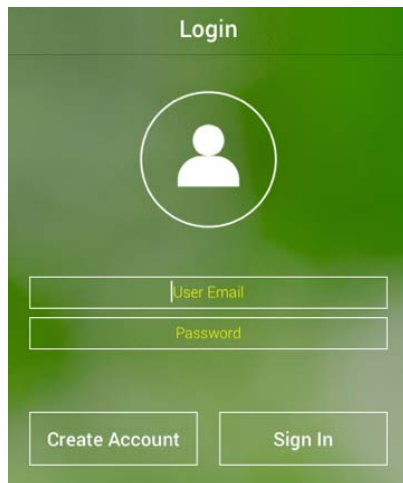
1. Download the KRain Pro EX Controller app From the Ap Store

2. Create a USER Account, using your e-mail address.

Step1   Step2
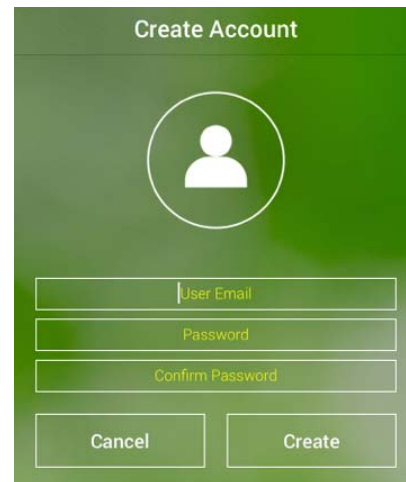
Click on "Create Account" Button

Enter a valid e-mail address
Note: Password must be at least 6 characters long
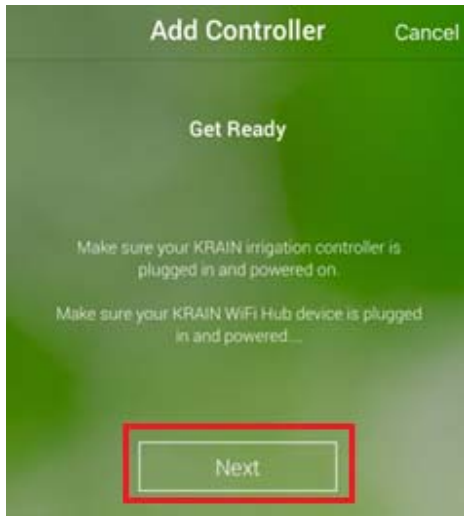

Step3.   Enter user information

3. Follow the simple App setting Wizard to connect your Wifi Hub to user Wifi Network.
   Note: Wifi needs to be turned ON at the iPhone or iPad.

Step4. Reminder screen. After following
the procedure indicated, click Next.

Step5. After plugging the power to the Wifi Hub
the "K" LED light should be flashing (On/ Off)

Step6. If the LED is not flashing, press for 3 seconds the setting button located on the bottom base of the unit. The "K" LED should start flashing (On / Off)

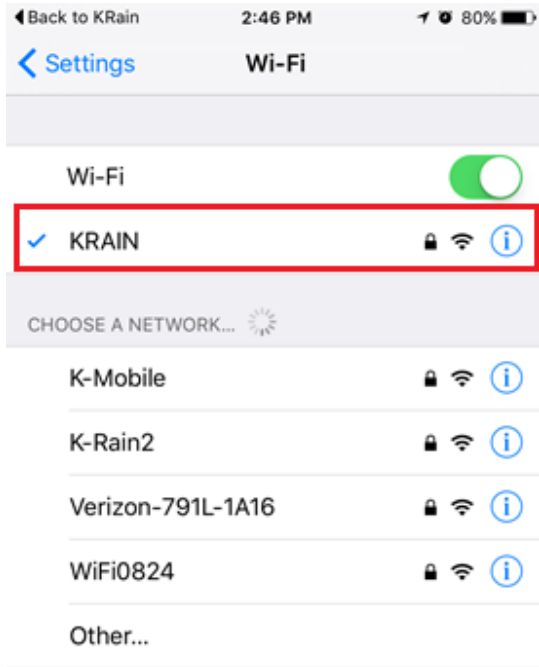Step7. Click on "Open Settings" button or go direct to the iOS general Wifi settings scree
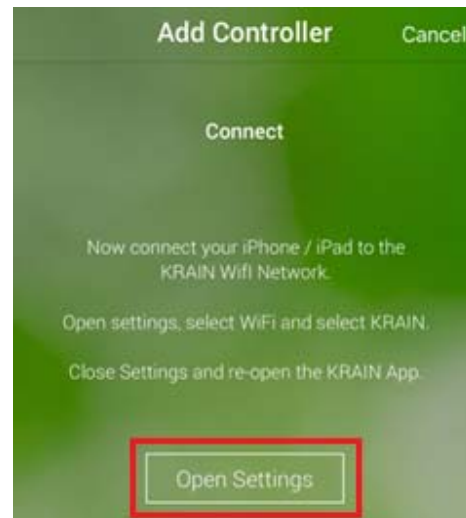
Step8. Select the KRAIN Wifi network. The Wifi Hub creates a momentary Wifi network during

Step9. Go to the Pro Ex controller midbox. Move the dial to the REMOTE/PIN location.

the setting process. (During the time the "K" LED is flashing).

Press the UP button, until you see NO Wifi on the controller LCD.

Press MANUAL START/NEXT button. And it will start searching for the Wifi Hub.

Step10. Go back to KRain Pro EX Controller app. It will show this screen below as a reminder that the Controller and Wifi hub had to be paired before going into the next step.

The Midbox shows "YS Wifi" on the LCD, once it has been paired with the Wifi Hub.
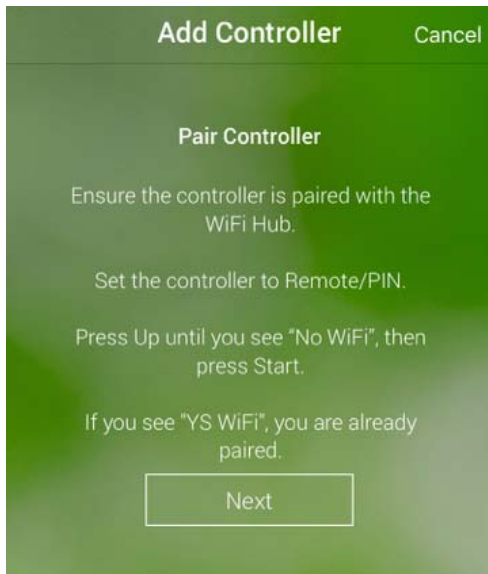
and the password. Once reviewed, that the information entered is correct.

Step12. Confirmation Screen. Please wait 1 minute for the process to finish. If the Wifi Hub has the "K" LED lighted steady. Then click the

Proceed and Click "Configure Controller"

DONE button. If is not lighted up, click TRY AGAIN button and repeat the process from Step4.
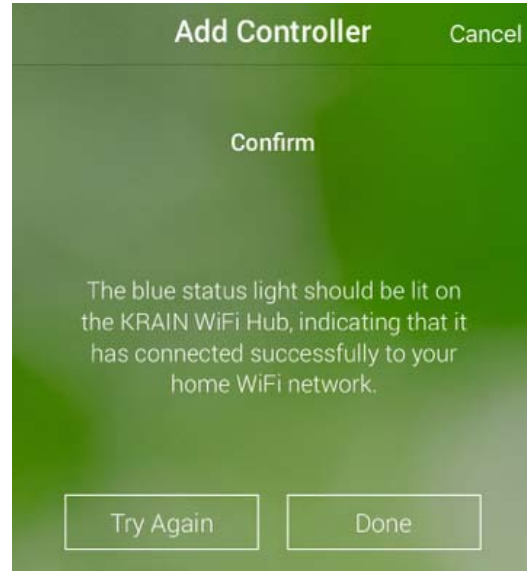
Step13. Name your controller, and fill the address location of this controller. Note: It is important to fill the address for the Weather Forecast and Weather IQ to work properly. And click NEXT

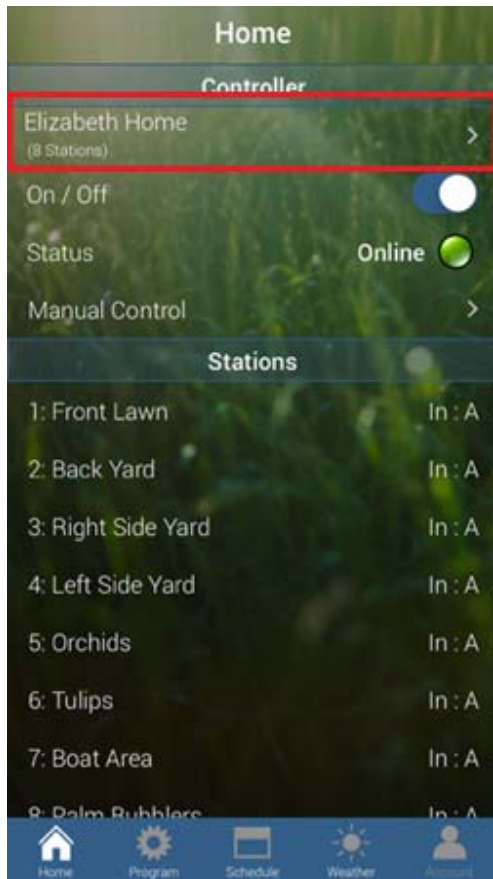Step14. Congratulation on setting your Wifi controller. Click DONE.
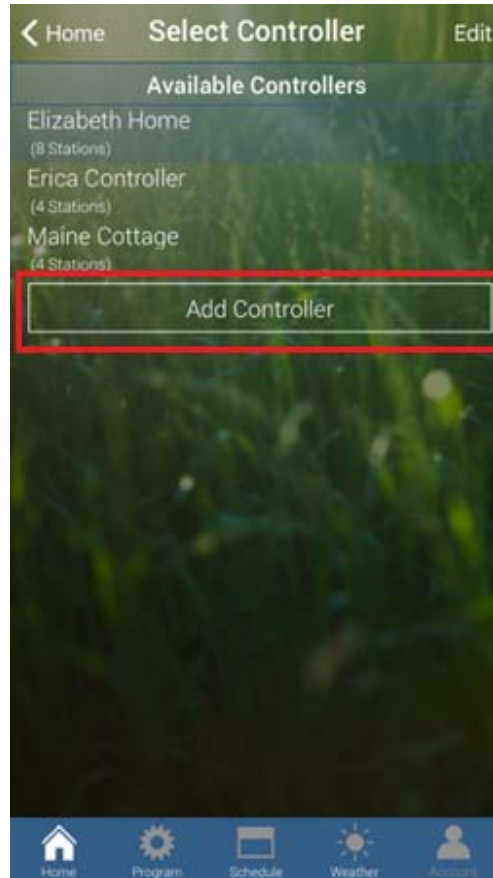

ADDING AN ADDITIONAL WIFI CONTROLLER TO AN EXISTING USER ACCOUNT.
Note: End user accounts allow to control up to 4 Wifi Pro EX controllers.

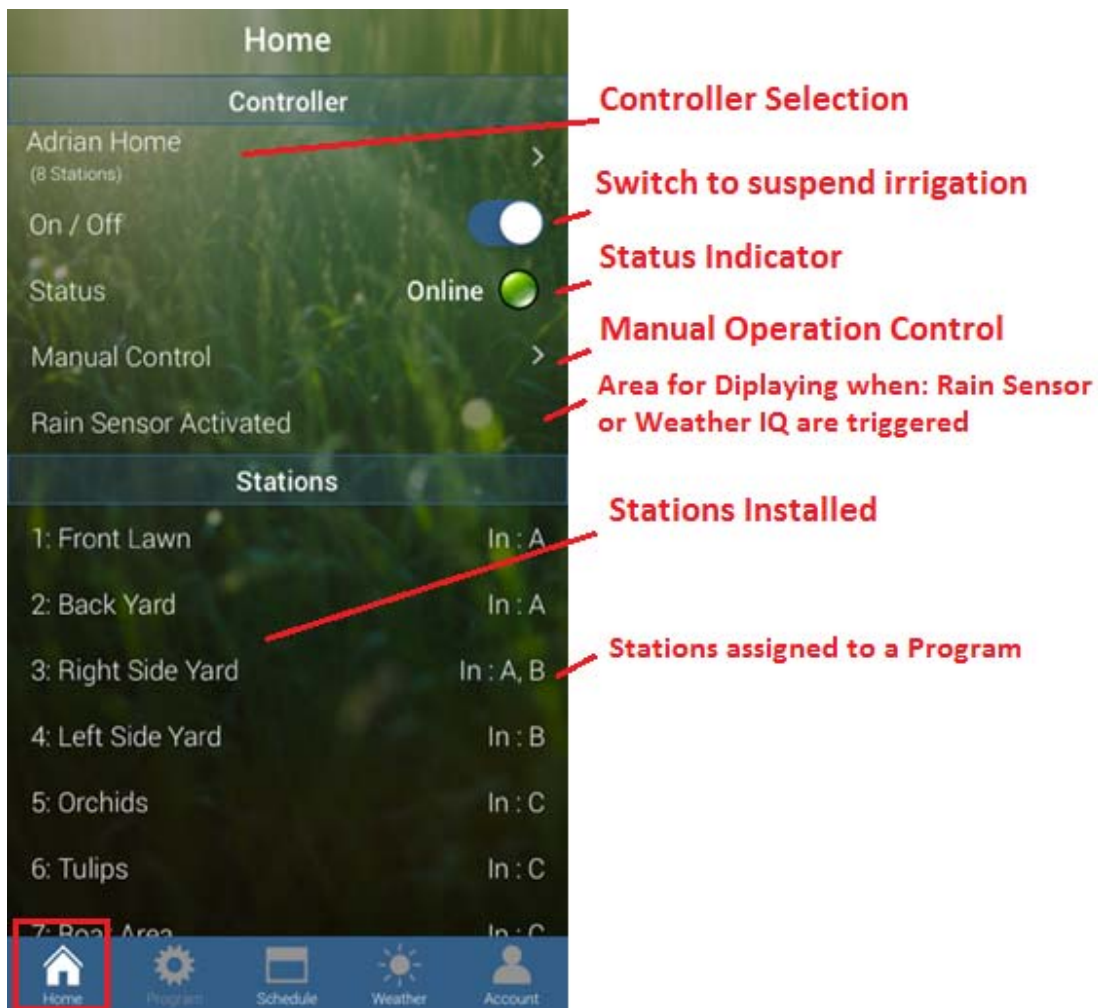Step14. On the app home page, click on the controller's Name and a new window will open.

Step15. On this new window, click the ADD CONTROLLER button as shown below. And repeat the process from Step4 thru Step14, of previous chapter.
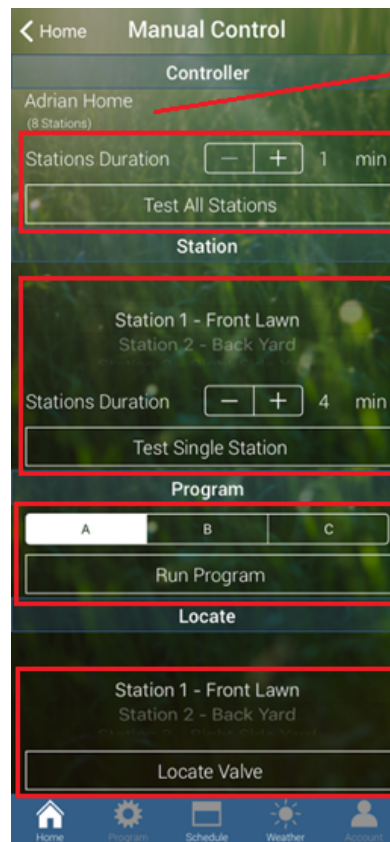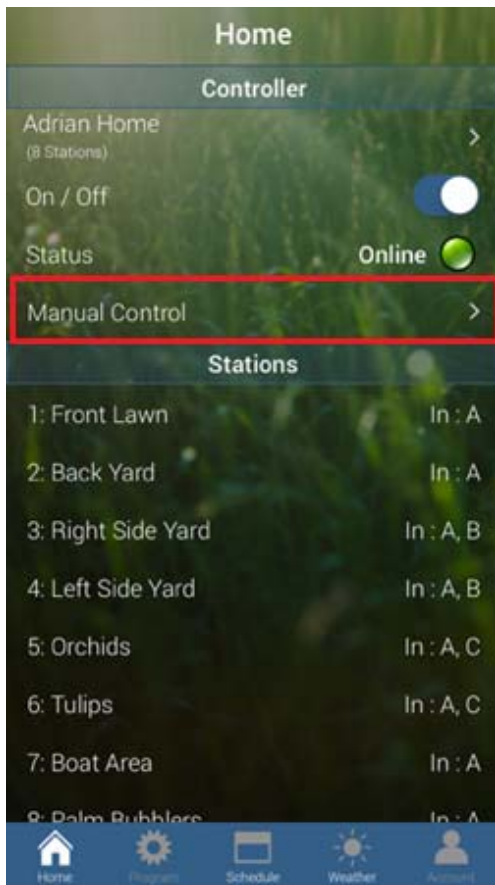

APP HOME PAGE

Information provided on the home page.

- **MANUAL CONTROL PAGE**

Note: In order to the Manual Control to work, the irrigation controller selection dial, needs to be on the OFF or AUTO position.

Controller Selected

Test all stations installed for a period of time

Test a specific station for a period of time
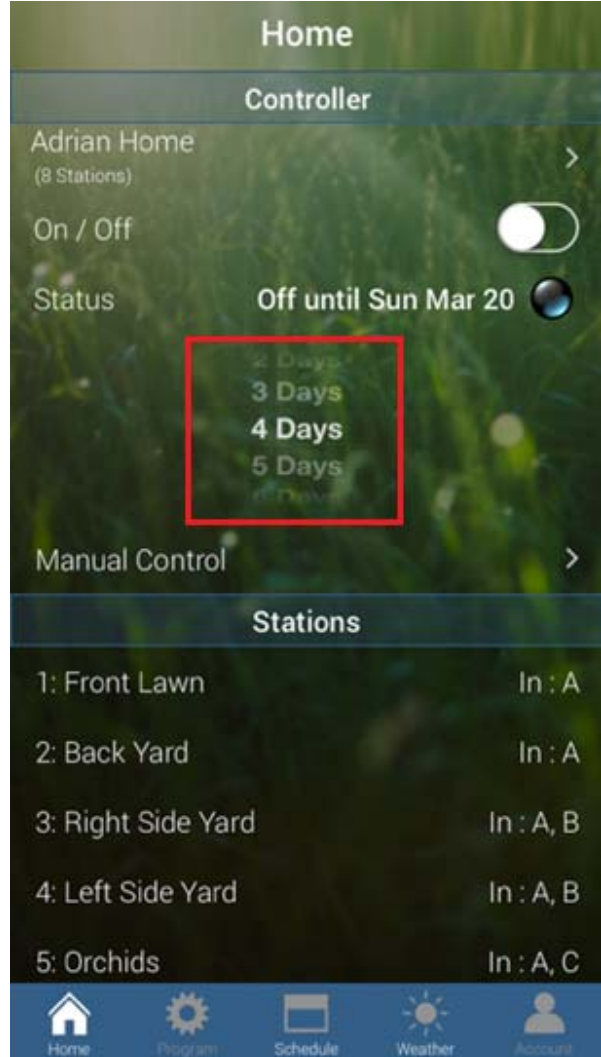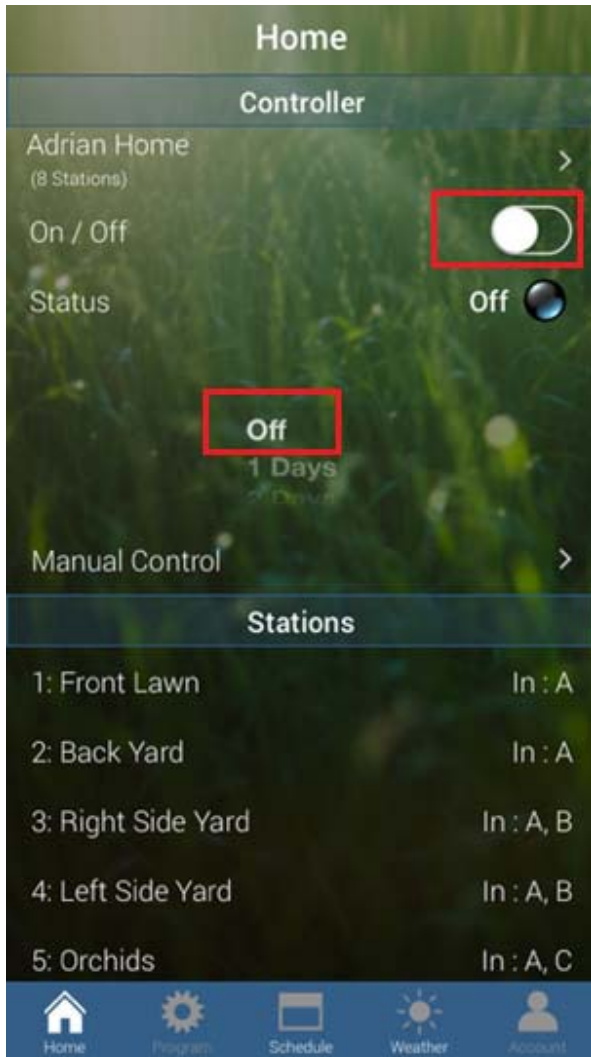
Run the full program selected

Makes valve selected shatter (On/Off) for easy finding

- **SUSPEND IRRIGATION WITH ON/OFF SWITCH**

There are two ways to suspend your Wifi Irrigation Controller

1) Indefinitely, by selecting OFF
2) or Up to 14 days from current date.

SETTING A PROGRAM

User can make all program settings needed from one single screen. Making it easy and user-friendly.

Select Program

Set Run Times
- Hour / Minutes
- Minutes / Seconds

Set Start Time
- User can set up to
- 4 start times per program

Set Watering Days
- Specific Days, Odd, Even
or Every X days

**One Seasonal Adjust
setting for all programs
(A-B-C)**

**Set threshold for
Weather IQ**

SCHEDULING PAGE

The calendar shows a water drop representation, on the days of the month that have a program scheduled. Once the user clicks into a specific date, it can see on detail the watering informaton for the day.
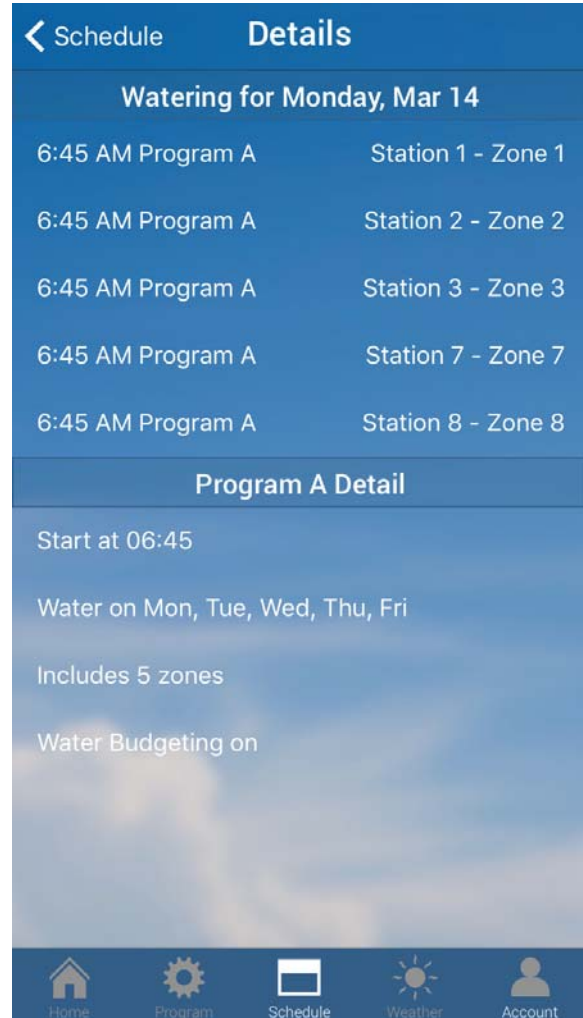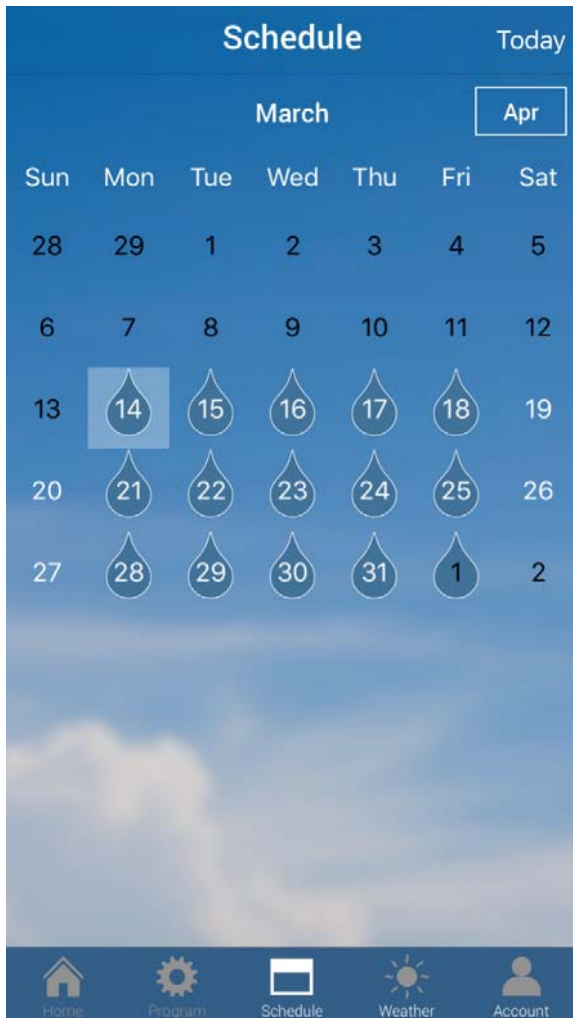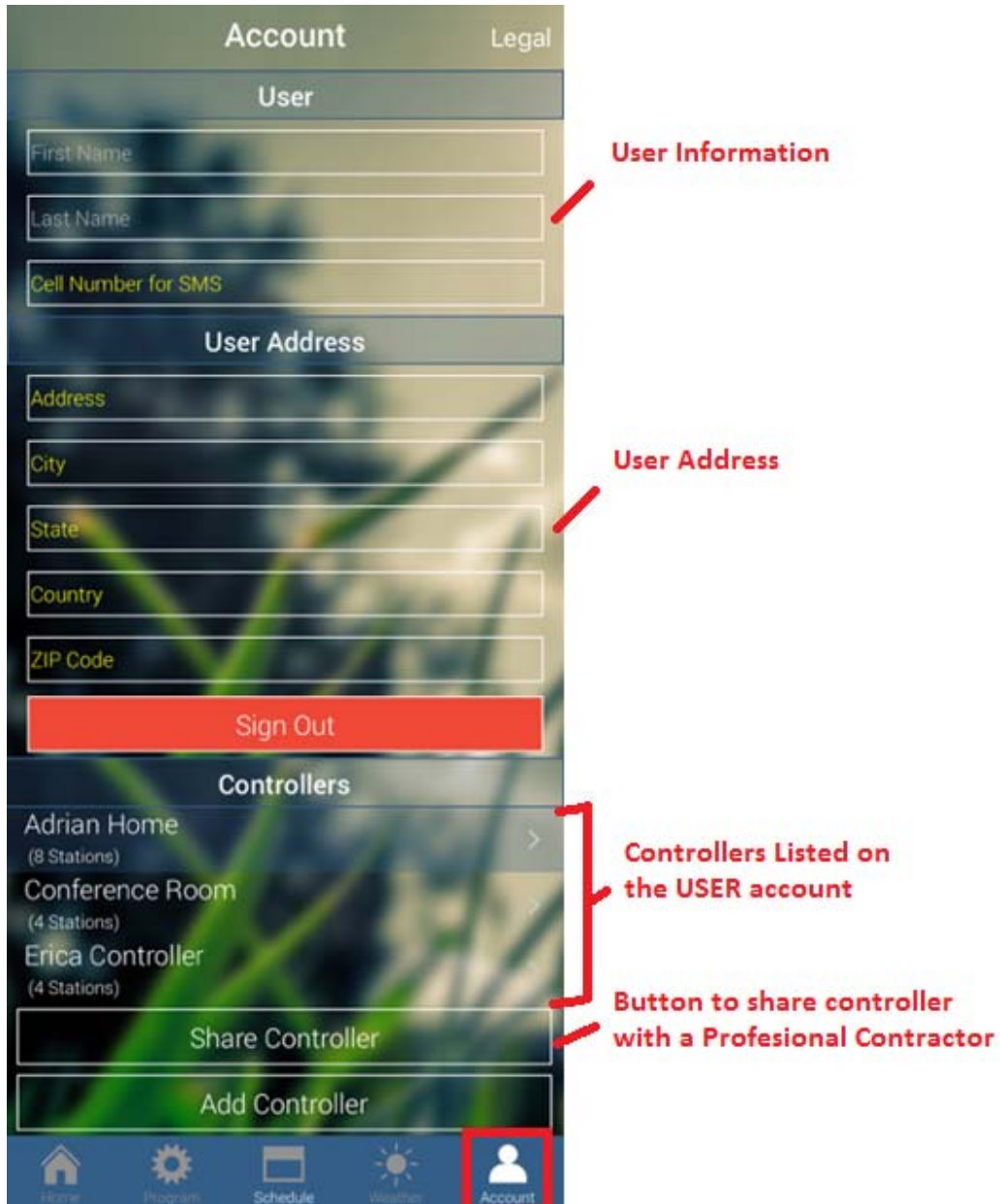
SCHEDULING PAGE

It provides the user the current weather condition for the selected controller. And the next 3 days weather forecast.

ACCOUNT PAGE

It contains all related information of the user and their smart controller.

- RENAME YOUR CONTROLLER NAME AND THE CONTROLLER STATIONS NAME

At the account page, select the controller by clicking at it.

Controller Name

Controller Address.
Note: It is very important to fill this information correctly. Since the system will use the controller location to connect to a weather station for the weather forecast and the weather IQ features.

Station Names.
Rename each one of the stations at your convinience. For easy identification and reference.

- **SHARE YOUR CONTROLLER WITH A PROFESSIONAL CONTRACTOR**

K-Rain makes it very easy for their customers to share their controller with their professional contractor.

FCC Notice

Sensor FCC ID: 2AHQM-3209

This device complies with FCC rules Part 15. Operation is subject to the following two conditions:
1. This device may not cause harmful interference and
2. This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for class B digital devices, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment on and off, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna
• Increase the separation between the equipment and the receiver
• Connect the equipment to an outlet on a circuit different from that to which the receiver is connected
• Consult the dealer or an experienced radio/TV technician for help

The user is cautioned that changes and modifications made to the equipment without the approval of the manufacturer could void the user's authority to operate this equipment.

The distance between user and products should be no less than 20cm

FCC Declaration of Conformity

TRADE NAME	Wifi Hub
MODEL NUMBER	3209
COMPLIANCE TEST REPORT NUMBER	
COMPLIANCE TEST REPORT DATE	
RESPONSIBLE PARTY	K-Rain Manufacturing Corporation
ADDRESS	1640 Australian Ave, Riviera Beach, FL 33404
TELEPHONE	561-844-1002

This equipment has been tested and found to comply with the limits for class B digital devices, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, please refer to you user's manual for instructions on correcting the problem. The undersigned, hereby declare that the equipment specified above conforms to the above requirements.

Signature:	
Place:	Full Name:
Date:	Position: