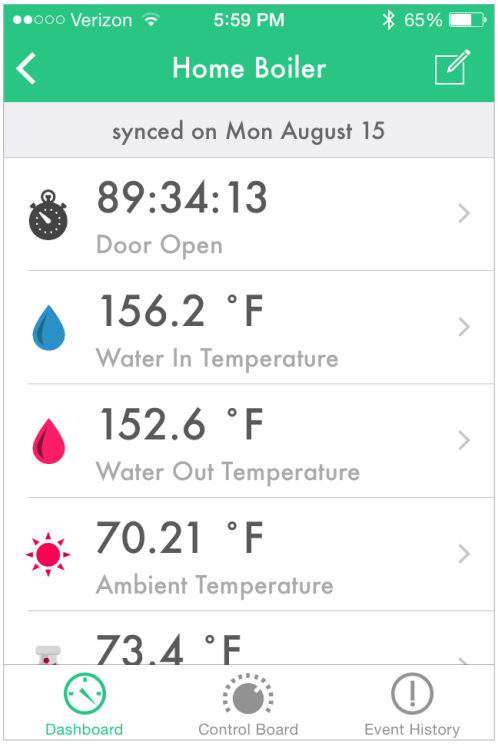
kelv°n

ClearStak iOS Application



Product Manual

July 2015

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Downloading kelv°n

To install kelvin on your mobile device, go the App Store type “ClearStak” into the search bar. Find the application titled “kelvin - ClearStak” and download the free app!

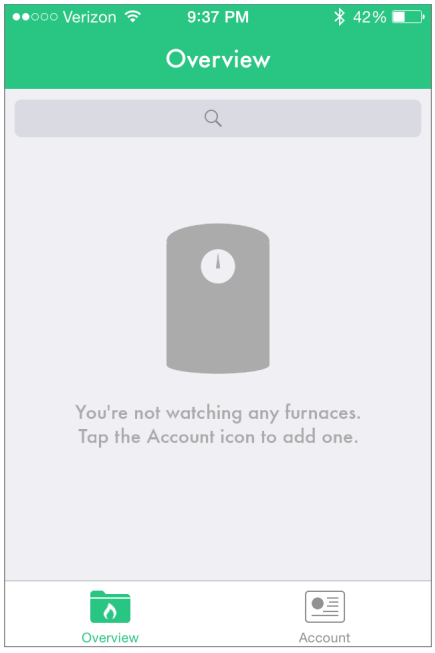
Wait while the app installs on your phone and open it when it finishes. It will bring you to the Welcome page, where you must select “Register” to create your account.

Register as a User

kelvin will bring you though the brief registration process step by step. This should take no more than a minute or so to complete. First, you will be asked to enter your full name, email address, and phone number. Choose an email that you would like to receive system notifications from. This email address will function as your username for this application.

On the next page, you will be asked to enter your street address, city, and state abbreviation. Upon entering this page, you will be notified that kelvin would like to use your location to fill in these fields for you. Allow if you currently located at your home address. This is the only page from which we access your location.

Next, we require that you add a password to your account. Once you tap “Finish,” your kelvin account will be created!



Adding a furnace

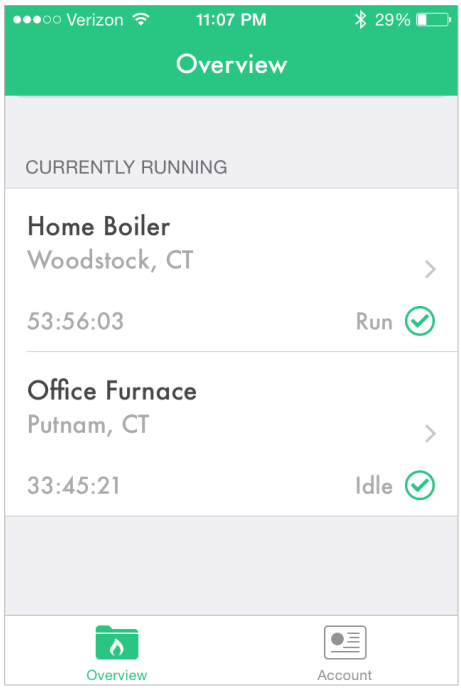
Unless someone has already shared a furnace with you after you have created your account, you will not have any furnaces in your list. There are two ways pair a furnace with your account:

1. Get into contact with someone who has access to the furnace on their kelvin app and ask them to share it with your email address.
2. Tap the account tab at the bottom of the Overview page and select “Add a new System.” ClearStak will issue you a serial code with your ClearStak device. If someone has previously added this furnace to their kelvin app, the furnace will simply be paired with your account. If you are the first person to register with this furnace, you will be prompted to choose the make and model of your furnace, enter its location, and give it a name. This should take longer than a minute or so.

Once you return to the Overview page, a preview of the furnace will be visible.

Navigating kelv˚n

Overview



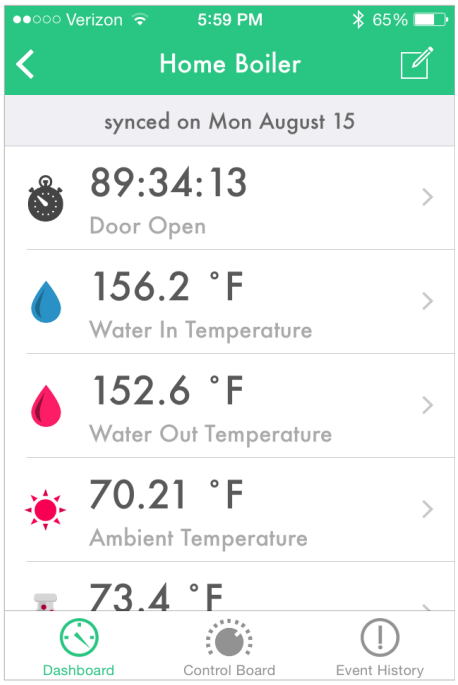
The Overview page is the first thing you'll see upon opening the kelvin app. On this page you have access to each furnace that is paired with your account. There is a preview of each furnace presented to you on the page that contains the furnace name, location, runtime, status. There are small icons on the lower right corner of the each preview that let you know if your furnace is running, in error state, or disconnected from our network. For those of you who manage multiple systems, furnaces are grouped into sections: currently running, disconnected, and no data.

Account

The Account page is accessible from the tab bar on the Overview page. From this page, you can edit your account info such as email, phone number, password, location, etc. You may also select the unit system you prefer to view your data in. Most importantly, tap “Notifications” to select how you would like to receive alerts for all of your furnaces. If you choose SMS text message alerts, you will be asked to select your cell phone service provider. We only use this to send you messages about your furnace that you request.

Dashboard

The Dashboard is the page directly accessible from the Overview page. Once you select a furnace on the Overview page, you are brought to the furnace Dashboard where you will see live data readings from your device. On the top bar of this page, you will notice an icon that signifies a comment. Commenting is available from every page shown on the the tab bar at the bottom of the screen. By tapping on readings displayed on the screen, you can get more Detailed Sensor Data, or view Run Statistics. Each of which are discussed below.



Detailed Sensor Data

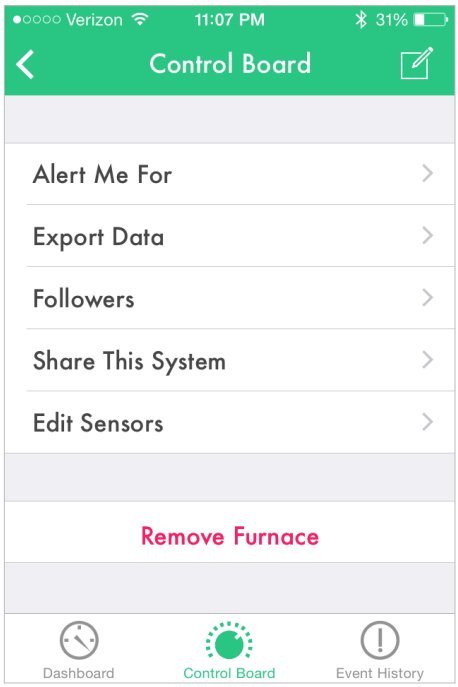
Detailed Sensor Data is available when you select any of the values collected by your furnace. From this page, you can see minimum, maximum, and average values from the time range that you may select manually or by run period. You can also plot this value over the selected time range or view it as a simple table

Run Statistics

You can see Run Statistics about recent run periods by selecting the first item in the furnace Dashboard, marked by a black stopwatch icon. Here, you are shown all the states entered during the selected run, the number of times each state entered, the total time spent in each state, and the percentage of the total run that was spent in each state.

Control Board

From the Control Board, which is accessible on the tab bar at the bottom of the screen, you can manage furnace information such as name and location. You also have access to Alerts and more if you are an owner of the furnace.



Alerts

The Alerts page gives you options of what you would like to receive alerts for. Currently available alerts include:

System Error: Your system has entered an error state because one or more of the components are at fault. Errors can be viewed on the Events tab.

Connection Status: You will receive this notification when your system begins finishes collecting data.

User Comments: Someone who is following your system has posted a comment. Comments can be viewed on the Events tab.

Export Data

On the Export page, you can request data to be sent to your email address as a .csv file. Choose time range for the export manually or by run period. It may take several minutes to receive the email containing your data.

Followers

This is the page where you can view and manage who currently has access to your furnace's data. If you are an owner of the furnace, you can remove it from other users' kelvin apps.

Share This System

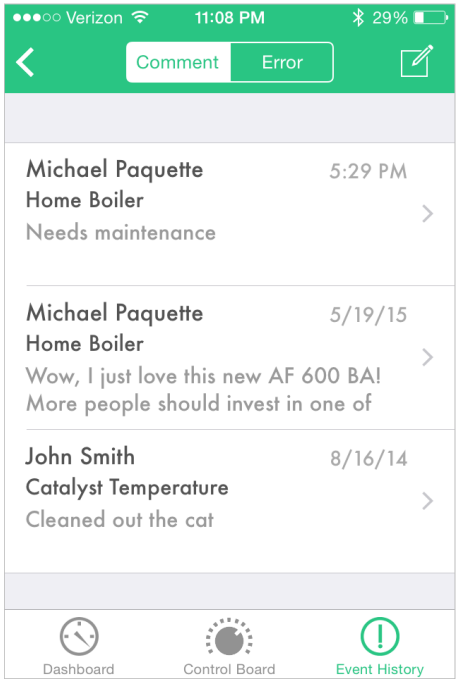
If you ever need to add a user to a furnace, just go to this page and enter the user's email address and select their permissions: "Viewer" will give them access to everything besides exports, sharing, and editing furnace information. "Owner" gives full access to all kelvin features.

Edit Sensors

Here, you can select what sensors you would like to appear on the furnace Dashboard page. However, keep in mind that if you select a sensor that your furnace does not have physically installed, the sensor will not show up on you list.

Event History

Event history is one of the three pages accessible from the tab bar at the bottom of the screen after selecting a furnace. Events are separated into Comments and Errors. the Errors tab gives the names of the errors and when they occurred. The Comments tab shows the history of all comments on the furnace. You can see a short preview of the comment, who wrote it, and when it was recorded from Event History. To see more information, simply select the comment. Once you select it, you will be brought to a page with all the information we record about the comment, and an image that the user may have attached to the comment.



Commenting

Commenting is available from any of the three pages Event History, Control Board, and Dashboard by taping the icon at the top right of the screen. Alternatively, you may comment on a specific sensor by selecting it from the Dashboard and scrolling down to "make a comment." Upon arriving at the comment page, you can type your comment and attach a photo that you take in the moment or that you have saved on your phone.