# Table of Contents

3  Launch Screen
3  Bluetooth Connect Screen
3  Welcome Screen
4  Home
5  Main Menu Stack
5  Connected Devices Stack
6  New Device Setup
6  Register
11  Readings
12  Stats
13  Stats - Readings Range
13  Stats - Range Refined
13  Stats - Temperature
14  Stats - Exporting
14  Stats - Sharing
15  Log
15  Log - Scrolling
15  Flick to Scroll
15  Tap & Hold to Scroll
16  Manage
16  Manage - Device Info
17  Manage Connection
17  Data Refresh Rate
18  Manage Logging
18  Logging - Clear Data
19  Manage Alerts
20  Alerts - Manage Range
20  Alerts - In-App Live Alert
20  Alerts - Background Alerts
20  Banner
20  Alert
21  App Preferences
Upon opening the app the launch screen is briefly displayed while the app loads.

If Bluetooth is turned off on the device, a prompt will appear asking to turn Bluetooth on. With Bluetooth off the app will not be able to connect to Kestrel devices.

When the app is launched for the first time, the user is given two options for the selection of their app units. These units will be used throughout the app. This can be changed in the app setting.
Once arriving at the homepage, all available devices will be displayed. This includes connected devices, and devices not yet connected.
The top left corner stack reveals the main navigation menu of the app. It allows for quick navigation from anywhere in the app.

The top right corner stack reveals the device list. It shows the connected and previously connected devices. It allows for quick navigation to devices from anywhere in the app.
After setting up a device users will be prompted to register with NK. This is optional for the user.

When setting up a device the user will be prompted to name that device. This name will appear throughout the app and can be altered later through the device settings page.
The dashboard is the main page for each device. Here the user can view their own selection of 3 different measurements.

The Edit Dashboard option allows the user to replace the current measurements with new measurements and re-arrange measurements on the dashboard.

The Share Dashboard option allows the user to share the measurements of their dashboard and an image of the current screen through social media, email, and messaging.

The More tab allows the user to open the bottom navigation of the current device and switch between the pages of the device.
Activating the More tab at the bottom of the dashboard slides up navigation for the device currently being viewed. It allows the user to move through the content for their device. This tab can be hidden at any time by selecting Hide to bring it to its original hidden state.

Arrows are active when additional products are connected demonstrating the ability to swipe on the device name to switch between devices.

Other States

No devices, or no other devices connected.

Other devices connected, swipe to the right, to reveal the device to the left.

Other devices connected, swipe left or right to reveal other connected devices.
Once Edit Dashboard has been selected, the edit menu appears at the bottom of the screen displaying the different measurements available for the device currently being viewed.

When the user drags the icon to a section of the dashboard, a large icon will follow the dragging motion. Measurements can also be switched from panel to panel within the edit screen by dragging one measurement from one panel to the other desired panel.
When the user releases over the desired location, the panel is switched with the new measurement. It is not activated until the save button is pressed.

Once the user has pressed save, the new panel or panels will become active and the Edit Dashboard menu will hide again.
Share Dashboard

When sharing the dashboard, the app takes the user through their standard share process. This display would be different across different versions of devices.

Readings

The Readings page allows the user to view all of their measurements from the given device in a listed format.
Stats

The Stats page allows the user to view all of their measurements’ averages as well as maximum and minimum readings.

- Users click this to export the data provided below.
- If the user would like to adjust the range of data throughout all the readings, they can click here to adjust the range.
- If the user would like to view a detailed view of a specific measurement, selecting the arrow next to the measurement brings them to it.
In the Stats page there is an option to adjust the readings date range. This will restrict the readings of all the measurements to a specific range in date and time so the user can more accurately view the information.

Once the user has submitted their desired range, they are brought to the stats page again, now showing that the reading range is defined as Refined.

Upon entering the individual measurements such as Temperature in this image, a complete list of all readings of that type are shown.
If the user decides to export their data, the load screen appears while the app collects all the necessary information to be exported.

The user is then prompted to choose how they would like to export their data, and where they would like to share it to. (iOS example shown)
Within the Log page the user is given a graphical display of the devices stored data.

As with the Stats page, the Log page has the same functionality for setting a data range. (Stats - Data Range, Page 13)

Each reading is marked with a yellow dot which can be scrolled to for more precise information located on top of the graph labeled “Data Point”.

To easily switch between viewing different measurements on the graph select either icon at the bottom, or simply swipe the measurement title.

When searching through data points, there can be an overwhelming amount of points to go through. Because of this, two types of scrolling were developed to help ease the process of finding information faster.

Flick to Scroll

Flick left or right to scroll through a portion of the data points and locking onto the nearest point.

Tap & Hold to Scroll

Tap and hold on the graph to reveal an indicator at the top of the graph that shows the user where they are in the log while scrolling through a large amount of data points.
The Manage page provides the user with the ability to change some of the basic features of the device. It also provides some detailed information about the device and offers updates when they are available.

### Device Info

Within the Device Info option the user can view the device’s model number, serial number, manufacturer, hardware version, firmware version as well as the range when connected.

- **Device Name**: drop 4
- **Disconnect**: Removes active connection between the app and device.
- **Forget Device**: Disconnects the current device and forgets the devices settings and content.
- **LED Flash**: Sends a signal to the device to flash its LED so the user can find it.
- **Factory Reset**: Restores the device to its default settings.
- **Device Manual**: Provides user with the manual for the current device.
- **Device Info**: Provides the user with a detailed look at the device’s technical information.

**Within the Device Info**

- **Name**: drop 4
- **Model**: Kestrel DROP 3
- **Serial #**: 12345678
- **Manufacturer**: Nielsen Kellerman
- **Hardware**: 0.0.0
- **Firmware**: 0.0.0a
- **Module FW**: 
- **Range**: 

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**Manage**

- **Device Name**: drop 4
- **Manage Live Readings**
- **Manage Data Logs**
- **Manage Alerts**
- **Disconnect**
- **Forget Device**
- **LED Flash**
- **Factory Reset**
- **Device Manual**
- **Device Info**

**Manage - Device Info**

- **Back**
- **Name**: drop 4
- **Model**: Kestrel DROP 3
- **Serial #**: 12345678
- **Manufacturer**: Nielsen Kellerman
- **Hardware**: 0.0.0
- **Firmware**: 0.0.0a
- **Module FW**: 
- **Range**: 

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16
From the Manage page, Manage Live Readings allows the user to adjust the transmission rate of the device.

Data Refresh Rate can be altered by using the scroll wheel to adjust the rate and then clicking submit to confirm the change.
In the Clear Data menu the user can choose between three options which are briefly explained to the right of the options.

Wrap log is an overwrite feature that will discard the oldest data point to capture new data when the log becomes full.

The data log interval can be changed using the scroll wheel and clicking submit to save the changes.

Within Manage Data Logs the user has the ability to wrap their log, adjust their logging rate, and clear their data.
The Kestrel app allows the user to be alerted when specific measurements reach a maximum or minimum point. The Alerts settings allow the user to manage those alerts.

### Alerts Settings

<table>
<thead>
<tr>
<th>Measurement</th>
<th>Min</th>
<th>Max</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deg</td>
<td>(Disabled)</td>
<td></td>
</tr>
<tr>
<td>R.H.</td>
<td>(Disabled)</td>
<td></td>
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<tr>
<td>H.I</td>
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<tr>
<td>D.A.</td>
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</tbody>
</table>

By choosing the arrow next to a specific measurement you enter the settings of that specific alert (Page 20).
The user can also choose to go into each measurement category and turn them on individually. The minimum and maximum settings for these alerts are also available upon entering the specific measurement.

When a measurement has fallen or risen above or below the range, a live alert screen pops up to inform the user.

Android only has one option similar to the Alerts shown above.

While out of the app the user still receives alerts. If they choose to go through Apple’s notification center settings the two options iOS offers are:
App Preferences

Allows the user to control the units of measurement the app will use and adjust how devices connect.