FireBoard Pellet Controller
Quick Start Guide

Indicator Lights
System Power On, Wireless Connectivity, and Temperature Reading Activity

Navigation Buttons
Use to change views and navigate through the FireBoard's menus

Control Knob
- Turn to adjust set point
- Press to cycle through views
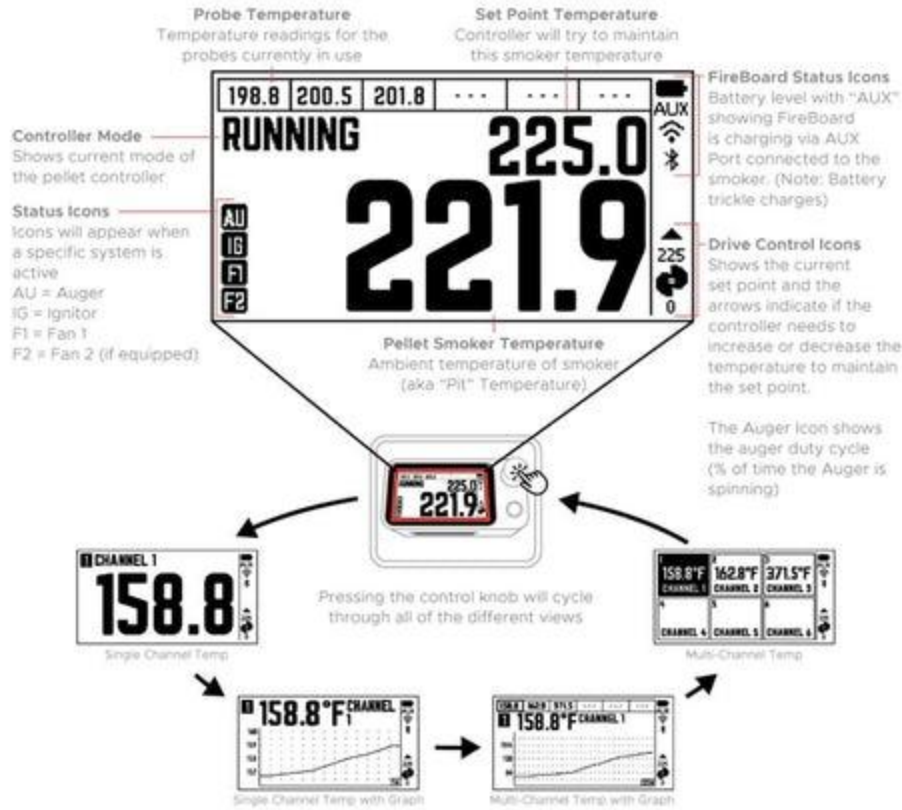- Press and hold to access menus

Probe Ports
Connect either ambient or food probes in any port

Power Button
Turns pellet grill on and off

198.0 | 201.0 | 200.5 | ... | ... | ...

RUNNING

225.0

221.9

Using the Controller's Pellet View

The Pellet view provides all the information you need to run the pellet controller. Pressing the controller button will cycle through the FireBoard's other screen views.

Probe Temperature
Temperature readings for the probes currently in use

Set Point Temperature
Controller will try to maintain this smoker temperature

Controller Mode
Shows current mode of the pellet controller

Status Icons
Icons will appear when a specific system is active
AU = Auger
IG = Ignitor
F1 = Fan 1
F2 = Fan 2 (if equipped)

FireBoard Status Icons
Battery level with "AUX" showing FireBoard is charging via AUX Port connected to the smoker. (Note: Battery trickle charges)

Drive Control Icons
Shows the current set point and the arrows indicate if the controller needs to increase or decrease the temperature to maintain the set point.

The Auger Icon shows the auger duty cycle (% of time the Auger is spinning)

Pellet Smoker Temperature
Ambient temperature of smoker (aka "Pit" Temperature)

| 198.8 | 200.5 | 201.8 | · · · | · · · | · · · |

RUNNING 225.0

221.9

AU IG F1 F2

AUX

225

Pressing the control knob will cycle through all of the different views

CHANNEL 1
158.8
Single Channel Temp

158.8°F CHANNEL 1
Single Channel Temp with Graph

158.8°F CHANNEL 1
Multi-Channel Temp with Graph

158.8°F CHANNEL 1 162.8°F CHANNEL 2 371.5°F CHANNEL 3
CHANNEL 4 CHANNEL 5 CHANNEL 6
Multi-Channel Temp

Connecting Pellet Smoker to the FireBoard App
Turn on pellet smoker by pressing the Power Button below the Control Knob

1 **Download the FireBoard® App**
Our app can be found on the Apple App Store or Google Play under "FireBoard®". You can then setup a free FireBoard Account via the app.

2 **Add the FireBoard to your account**
After downloading the app, you should be able to add your FireBoard under Settings > Add FireBoard (the app will scan for devices automatically, via Bluetooth). The Serial Number shown in the app should match the Serial Number on the back of the FireBoard.

3 **Configure your wireless network**
In the app, you should now see your FireBoard listed in your devices, and can proceed to edit its settings. Under Device > Manage WiFi, you can enter your Wireless name & password. This can take up to a minute to complete.

Using the Pellet Controller
Turn on pellet smoker by pressing the Power Button below the Control Knob

1 **Press the Control Knob to start**
You can also turn the control knob before pressing to scroll through different options. Once your selection is on screen, press the control knob to start.

2 **Setting a Set Point Temperature**
Turning the control knob changes the set point temperature. Once you have found your desired temperature, leave it on screen and the pellet controller will start working to reach and maintain the set point temperature.

3 **Monitor your cook and make any adjustments as needed**
Turn the Control Knob to make any adjustments to the set point in the pellet view or use the FireBoard App from virtually anywhere.

Prime Feature: Use Prime to turn the auger and advance pellets to the burn pot. This may be necessary if the grill runs out of pellets.

Using the FireBoard App

Not only does the FireBoard app allow you to monitor and control your pellet grill from virtually anywhere, it creates graphs of your sessions, allows you to add notes and images to your sessions, share your sessions, and look back a previous sessions.

Dashboard View with Drive Controls

Set Point Temperature
Temperature you set that your smoker will reach and maintain. Simply tap the Set Point to enter a new temperature.

Pellet Smoker Temperature
Ambient temperature of smoker aka "Pit" temperature.

Temperature Graph
Shows graphs of all active channels. Tapping a specific part of the graph will allow you to add notes and images.

Auger Duty Cycle
Shows the percentage of time the auger is spinning.

Controller Mode
Shows current run mode of the pellet controller.

Drive View Toggle
Tapping the "drive" logo will change the graph views.

Setting up alerts

Multiple alerts can be configured for each channel via the Dashboard view. Just tap the channel you wish to configure. Multiple phone numbers and emails can be added for notifications. The alerts have the following parameters:

Max/Min Temp	Thresholds for alert condition (one or both can be set)	**Minutes Buffer**	Alerts will not fire unless conditions exist longer than this value. Default value is 0.
Email, Text, & In-App Notifications	Toggle your notification preference(s).	**Minutes Repeat**	Specify how often alerts will repeat once alert conditions are triggered.
Custom Start/End Times	Define when alerts are active (alerts will fire only inside of this time window). By default, this window is all day.		***Don't forget to add your Email, Text and In-App Notifications preferences in your account settings.***

FireBoard Drive Programs

Drive Programs take the FireBoard's functionality to the next level by smartly managing a temperature profile throughout a session. Basically, programs are a series of steps that tell the FireBoard what temperature to maintain and for how long, based on temperature, time, or both. All steps require a set point temperature to be entered.

Creating a Drive Program

Open the Programs Tab and tap Add Drive Program. As a shortcut, we provide quick links to start a program based on time, temperature, or custom criteria. Your choice will preload default values into your program, but these can be changed and modified at any time.

Temperature Based Steps - Setting a target temperature value for a step will tell the FireBoard to maintain the set point until the temperature of the selected channel reaches the value set.

Time Based Steps - Setting a time (duration) value for a step will tell the FireBoard to maintain the set point temperature until the specified amount of time has passed.

Combining Temperature & Time Into One Step - A step can have both a target temperature and duration; the first of the two conditions to be met will complete the step.

Hold Steps - By default, a Hold step is added to the end of created programs. This is intended to bring the set point temperature down to a reasonable temperature for holding meat after a cook. These steps can be removed if desired. To add a Hold step, simply toggle the Hold selector at the bottom of the last step in your program and enter a temperature.

Example of a Custom Drive Program

Step 1: 225 for 20 minutes
This time based step will maintain a setpoint temperature of 225°F for 20 minutes before moving to the next step.
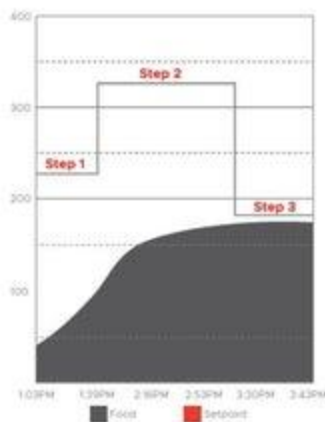
Step 2: 325 until target temp is 165
This temperature based step will increase the setpoint temperature to 325°F until the target temperature is 165°F.

Step 3: Hold at 180
This hold step is added to the last step of your program.

The example graph on the right shows what the program will look like on the dashboard.

FireBoard Account & App Download

Create Your Account

You need to register for a FireBoard Cloud account before activating your device. Registration can be done through either the FireBoard App or the FireBoard Cloud portal at FireBoard.io.

A FireBoard can only be linked to one account.

Please note that accounts created during checkout at FireBoard.com are for the store only; you'll still need to create a FireBoard Cloud account through the App or online at FireBoard.io.

Download the App

The FireBoard App is available for iOS and Android devices. Search for "FireBoard" in the Apple App Store or Google Play to get started.

To register for a FireBoard Cloud account in the App:

- Open the FireBoard App.
- Tap *Create Account*.
- Input information.
- Tap *Register*.

If you've already registered via FireBoard.io, simply sign in on the app after it has downloaded.

Apple and the Apple logo are trademarks of Apple Inc., registered in the U.S. and other countries. App Store is a service mark of Apple Inc. Google Play and the Google Play logo are trademarks of Google LLC.

FireBoard.io

You can view your FireBoard data on the web through any browser at FireBoard.io. Browse through historical sessions and notes, set alarms, and modify/update your account profile.

To register for a FireBoard Cloud account in a browser:

- Go to FireBoard.io
- Click *Register Now* (below the "Sign In" button).
- Input information.
- Click *Sign Up*.

If you've already registered via the FireBoard App, simply sign in.

Removing a FireBoard

A FireBoard can only be assigned to one account. If you are creating a new Cloud account, or gifting your FireBoard to someone, then you will need to remove the FireBoard from your account.

In the FireBoard App:

- Tap *Settings*.
- Under "Devices", tap the device you wish to remove.
- Tap *Remove FireBoard From My Account*.
- Tap OK.

Activate Your FireBoard

Activate your Fireboard from the <u>FireBoard App</u>.

Be sure your phone or tablet's Bluetooth is enabled.

Visit the <u>Bluetooth</u> section for more information about Bluetooth connection.

To activate your FireBoard:

- Open the FireBoard App.
- Sign in with your <u>FireBoard Cloud Account</u>.
- Tap *Add FireBoard*. Your device will scan for nearby FireBoards.
- Tap on your FireBoard's serial number to add it to your account.

Your serial number is on the back of your FireBoard; it's the nine digit number just below the barcode

Account & Activation FAQ

I can't log in to the app with my FireBoard.com account, what should I do?
Make sure you've got a <u>FireBoard Cloud account</u>. This is not the same account you created during checkout through our store.

Why won't my FireBoard show up in my app?
A FireBoard can only be assigned to one account. If you are creating a new Cloud account, or giving away or selling your FireBoard, then you will need to <u>remove the FireBoard</u> from your account.

I've created an account but still can't activate my FireBoard. Now what?
It's possible your FireBoard is attempting to connect to another Bluetooth enabled device. Disable Bluetooth on nearby devices and attempt to connect again. See the <u>Bluetooth FAQ</u> section for additional Bluetooth tips.

Can I have more than one FireBoard on an account?
Yes! You can have multiple FireBoards on one FireBoard Cloud account.

What is a FireBoard store account?
You may have opted to create an account on our store during checkout. Remember, the Store account is not tied to the FireBoard Cloud account; you still need to <u>create a FireBoard Cloud account</u> before using your FireBoard.

Specifications

The FireBoard uses Bluetooth 4.0 (BLE). <u>The official Bluetooth 4.0 spec</u> provides very detailed information about the capabilities of the protocol.

FireBoard Labs has performed field testing, resulting in the following findings:

- Line of sight range: ~200-300ft - This has been tested unofficially, but we have generally seen the FireBoard retain connections with a clear line of sight at this distance range.
- Obstructed range: ~60-100ft - This was tested with multiple walls, surfaces, or objects interfering with direct line of sight.

FireBoard requires that your mobile device is equipped with Bluetooth 4.0+ hardware and runs either iOS or Android. To use FireBoard on your Apple product, make sure your device is one of the following, with iOS11 (watch OS5.2) or later:

- iPhone 4s
- iPad (3rd generation)
- iPad mini
- iPod touch (5th generation)

To use your FireBoard on an Android device, make sure your device is an Android 5.0 or later and is equipped with a Bluetooth 4.0+ radio.

Connect to Bluetooth

The FireBoard will automatically try to connect to your Bluetooth enabled device.

Enable Bluetooth on your Device.
Power on your FireBoard.
Open the FireBoard App.
Under "Devices", tap Add FireBoard.
Tap the serial number that matches your FireBoard.

Bluetooth FAQ

Bluetooth Troubleshooting

The FireBoard is designed to allow instant setup from the App over Bluetooth. If you're having trouble, review the items below to achieve a successful connection.

- The FireBoard App manages the Bluetooth connection. Don't try to manually pair with the FireBoard as you would a classic Bluetooth speaker/device; the low energy Bluetooth connection is handled entirely by the FireBoard App.
- Look for the Bluetooth icon displayed on the FireBoard screen. When the FireBoard has a successful Bluetooth connection, you'll see a Bluetooth icon

displayed on the FireBoard screen. Before connected to your account, you'll see the Bluetooth indicator appear momentarily as it is being scanned by your FireBoard App.

- Make sure your FireBoard isn't already in someone else's account. Once a FireBoard is added to an account, it cannot be accessed by other users. If your FireBoard is in another account, it will need to be <u>removed</u> before you can add it to your account.
- Check for nearby active Bluetooth. The FireBoard will attempt to connect to nearby Bluetooth, so if someone close also has Bluetooth enabled, it may be attempting to connect to their device instead. Disable nearby Bluetooth and try to connect with your device.

Android Tips

Android devices occasionally require extra consideration when working with low energy devices. Review the list below if you are an Android user experiencing Bluetooth issues.

- Location permission must be granted. In order for the FireBoard App to access your device's low energy Bluetooth radio, you need to allow the app access to the "Location Reporting" permission.

Why location reporting? Low energy Bluetooth beacons can be used to track your location; while FireBoard does not utilize your location data, simply using a low energy Bluetooth device like the FireBoard requires the Location Reporting permission to interact with the device.

- Make sure your "Location" mode is enabled. These instructions may vary across devices and Android versions:
    - Open your device's "Settings" app.
    - Tap *Security & Location > Location > Mode*.
    - Choose High Accuracy or Battery Saving. Make sure the slider is set to "on".
- Reboot your phone. Sometimes a simple reboot of your Android device will do the trick; on most phones, this will force the Bluetooth cache to be flushed, potentially fixing any issue you were experiencing with your FireBoard connection.
- Manually clear Bluetooth cache. These instructions may vary across devices and Android versions:
    - Open *Settings > Applications/Apps & Notifications > All* or tap *App Info > Show System Apps*.
    - Scroll down and tap/open *Bluetooth* or *Bluetooth Share*.
    - Tap *Force Stop*.
    - Tap *Storage > Clear Data > Clear Cache*. Clearing the data will also typically flush out the cache.
    - Turn your Bluetooth back on and return to the FireBoard App. Visit the "Devices" page and check if the Bluetooth icon is displayed by your FireBoard. This may take up to 30 seconds.

- If you don't see a Bluetooth icon by your FireBoard, tap *Refresh* in the App to see if you notice any Bluetooth activity on the FireBoard screen.
- Make sure no other external apps, such as battery optimization on some Samsung devices, are attempting to limit the FireBoard App's ability to use Bluetooth.

FAQ

What type of Bluetooth connection does the FireBoard use?
The FireBoards use Bluetooth 4.0 (BLE). The official Bluetooth 4.0 spec provides very detailed information about the capabilities of the protocol.

Do I even need Bluetooth to use the FireBoard?
No, the FireBoard will read temperatures without a Bluetooth connection, but you do need Bluetooth in order to connect to the Cloud and monitor data remotely.

The FireBoard units can, essentially, operate independently and without being connected to either Bluetooth or WiFi: they will monitor temperatures and run fans and store the data. The FireBoard uses Bluetooth to connect to Wifi and can send data via Bluetooth; however, after a successful WiFi connection is attained, Bluetooth is technically not really needed.

The benefit of WiFi is that it has a wider range than Bluetooth, allowing users to remotely monitor their temperatures via the App from just about anywhere. Either Bluetooth or Wifi (or both) will send the data to the Cloud.

My Bluetooth connection isn't working, what should I do?
Check the Bluetooth Troubleshooting and Android Tips tips sections, above, for help connecting.

I did all those steps, my FireBoard still won't connect to Bluetooth. Now what?
Make sure you followed the steps to Activate your FireBoard.

If you still cannot connect to Bluetooth, check your device's app store and make sure you have the most up to date version of the FireBoard App, then force close/stop the app and turn Bluetooth off on your device. Next, turn on Bluetooth on your device, open the FireBoard App, and allow it to scan for the FireBoard.

Still not connecting to Bluetooth. Now what?
Power down your FireBoard and your device then power them back on and attempt to connect again.

If you still cannot connect to Bluetooth, contact us at support@fireboard.com.

Connect to WiFi

Connecting your FireBoard to WiFi gives you the ability to track temperatures and receive alerts while you're out and about. Additionally, connecting to WiFi allows your FireBoard to receive the latest firmware updates and enhancements.

Make sure your device is connected to <u>Bluetooth</u> in order to set up your WiFi connection.

To set up your WiFi connection:

- Enable WiFi on your device.
- Open the FireBoard App.
- Tap *Settings*.
- Tap on your FireBoard's serial number.
- Tap *Manage WiFi*. If your phone/tablet is already connected to your WiFi, we'll auto populate your network name for you.
- Enter your network password and tap OK.

The FireBoard may take up to a minute to connect. Your network name will be displayed in your App once connected.

If you make several attempts to connect without success (invalid password, etc), your FireBoard's wireless settings may need to be reset.

Reset WiFi

To reset your FireBoard's wireless settings:

- Enable Bluetooth on your device.
- Open the FireBoard App.
- Tap *Settings*.
- Tap on your FireBoard's serial number.
- Tap *Manage WiFi*.
- Tap *Reset*. Wait a few seconds, and then attempt to connect to WiFi again.

Note that resetting your FireBoard's wireless settings will remove any previously entered credentials.

WiFi FAQ

WiFi Troubleshooting

The FireBoard is designed to connect to many types of wireless networks. If you're having trouble connecting to a particular network, start by resetting your FireBoard's WiFi. This will clear any previously saved networks from the FireBoard, including entries with potentially incorrect information. Once reset, try connecting your FireBoard again, making sure to type both network name and password correctly.

The FireBoard App will attempt to pre-populate the wireless network name field. If you are typing it in, be aware that SSIDs are case sensitive.

Please be sure that you don't have any 3rd party apps or system settings that could interfere with connectivity.

Signal Strength

Signal strength is represented in -dBm format (0 to -100). The closer the value is to 0, the stronger the signal. For example, -41dBm is a better signal strength than -61dBm. Anything lower than -60dBm will make it hard for the FireBoard to maintain a connection.

To check your signal strength on the FireBoard 2 or FireBoard 2 Drive, hold any button for two seconds and then press the button next to "Info". Your WiFi signal strength will display next to the network name. On the original FireBoard unit (FBX11), simply click the Select button once. This will show your WiFi signal in -dBm, as well as your link quality percentage.

Remember, if your connection is below -60dBm, you may experience connection issues.

If you have a poor WiFi connection, there are a few things you can try:

- Ensure your wireless network is 2.4 GHz.
- Move your wireless router closer to the FireBoard.
- Remove any obstructions between the router and the FireBoard.
- Install a range extender on your network.
-

Frequency

New 5GHz wireless networks are designed to provide faster data transfer, but they sacrifice range and ability to transmit as effectively through building materials. Since the

FireBoard transmits relatively little data, 2.4GHz networks are fully capable of handling the data transfer requirements.

The wireless module in all current generation FireBoards only supports 2.4GHz networks, primarily because you will have better results using 2.4GHz rather than 5GHz.

Most routers supporting 5Ghz also already support, or are capable of supporting, 2.4GHz networks.

FAQ

Why won't my FireBoard connect to my wireless network?
Make sure the device from which you are attempting to connect is operating on a 2.4GHz wireless network. The FireBoard does not connect using 5G. Review the frequency information (above) for more details.

You may also need to boost your wireless network's signal strength (see above for details).

I still can't connect to WiFi. What do I do now?
Make sure you have followed the Connect to Wifi steps. If you still cannot connect to the network, you may need to reset your FireBoard's wireless settings.

Still no connection. What else can I try?
Double check that Bluetooth is enabled on your device, as the FireBoard uses Bluetooth to connect to WiFi. See Connect to Bluetooth for help connecting.

Dashboard

The Dashboard is the page you land on when you open the App. If you are not currently running a session, the most recent session date will be displayed at the top.

When the App is opened and a session is in progress (the FireBoard is on and a probe is connected), you have two view options: "Detail" and "Chart".

Chart View

If you are in the Detail view, tap "Chart" in the top right corner.

The Chart View will display current real-time temperatures across the top of the screen. The temperature data is also rendered into the chart at the bottom of the screen. Tapping a data series on the chart will display time and temperature information about the highlighted point. Double tapping or pinching the chart will zoom in to a smaller time resolution; drag the chart left or right to pan through the time series.

Tapping the three dots next to the session title allows you to:

- Take Photo: opens the camera on your device. Take a photo and add a note to the session.
- Add Note: add a note to the session. From here, you can also add a photo.
- Edit Session: edit session details, including title, start and end times, and description.

- Tapping the session title bar will display a Session Detail page. Here you can view the session chart and swipe right to view Session Notes and photos. Tapping the Pencil icon will also allow you to edit the session.

See the Drive section to learn more about Drive functions.

Detail View

If you are in Chart view, tap "Detail" in the top right corner.

The Detail view provides a more detailed view of your current temperature data. The channels are stacked vertically down the screen, displaying not only the current temperature but also the max/min values of alerts set, a last updated timestamp, and a sparkline chart displaying the channel's temperature data.

Tapping the channel row will open the Manage Channel screen where you can change your channel label, add alerts, and manage notifications.

Tapping the sparkline chart for the channel will open the Single Channel View screen, featuring a zoomable chart for the channel's data as well as a date range tool to view historical temperature data. Up to two weeks of data can be displayed on a single channel chart. The Calendar icon in the top allows you to change the time range view while the Pencil takes to you to the Manage Channel option.

Drive Dashboard Views in the FireBoard App

Drive Programs

Drive Programs take your FireBoard's functionality to the next level by smartly managing a temperature profile throughout your <u>session</u>.

Please note that you will need to have a probe connected in order to include a set point, or temperature based step.

To change the probe channel that the Drive Program monitors in the App:

- Open the FireBoard App.
- From the Dashboard, tap *Control Channel* near the top of the screen.
- Select any channel.

Creating a Drive Program

Drive Programs are accessible in the FireBoard App through the "Programs" tab. All of your programs will be available in this list, ready to launch on your FireBoard or available to manage and refine.

Create a new Drive Program by tapping Add Drive Program. As a shortcut, we provide quick links to start a program based on time, temperature, or custom criteria. Your choice will preload default values into your program, but these can be changed and modified at any time.

The Drive Program detail page allows you to set basic information for your program, like Title and Details, as well as the ability to add new steps. Changes made on this form are saved to your account in realtime.

Adding Steps

The steps in a Drive Program tell your FireBoard what temperature to maintain and for how long, based on temperature, time, or both. All steps require a set point temperature to be entered.

Temperature Based Steps

Setting a target temperature value for a step will tell the FireBoard to maintain the set point until the temperature of the selected channel reaches the value set. For instance, if cooking chicken you might create a step with a set point for the ambient temperature of 325°F and set the food probe temperature target to 165°F. Once the chicken reaches 165°F, the step will be completed.

Time Based Steps

Setting a time (duration) value for a step will tell the FireBoard to maintain the set point temperature until the specified amount of time has passed. For example, a step could be created using a set point of 190°F and a duration of 2 hours, allowing your food to take on smoke for that time before moving on to the next step. The timer starts as soon as the program, or step, begins.

Combining Temperature & Time Into One Step

A step can have both a target temperature and duration; the first of the two conditions to be met will complete the step. For example, a step with a target temperature of 165°F and a duration of 1 hour will be completed after the duration elapses. Likewise, the step will be completed if the target temperature reaches 165°F prior to one hour passing.

Adding Steps/Custom Program

Drive Programs can consist of multiple steps, allowing you to be creative with your temperature profile.

Hold Steps

By default, a Hold step is added to the end of created programs. This is intended to bring the set point temperature down to a reasonable temperature for holding meat after a cook. These steps can be removed if desired. To add a Hold step, simply toggle the "Hold" selector at the bottom of the last step in your program and enter a temperature.

Running a Drive Program

Once your Drive Program is configured, it can be started on your FireBoard by tapping Start Program at the bottom of the "Drive Program" detail page. A status bar will be displayed at the top of the dashboard and Drive Program screens in the app, displaying total elapsed program time and current status. Statuses include running, paused, and completed.

Modifying a Running Program

Drive Program steps can be updated and modified while the program is running. If a step is currently active, a Pause option will be displayed next to the step on the "Drive Program" detail page. Pressing Pause will pause the entire program, holding all variables steady until Resume/Play is pressed.

Time based steps can be modified by dragging the small slider that displays when the step is active. For instance, during an hour long step, the slider can be dragged to the

right, reducing the remaining time left in the step. This may be useful if your food is cooking faster than expected.

Any step can be run by simply tapping the row in the list of steps. If you wish to re-run a step, simply tap the relevant row in the table to set the program back to that step, or press a step ahead to move the program forward.

Customizing Channels

In the Detail view, tapping on the left side of a channel row, near the temperature and channel name, allows you to customize the channel via the Manage Channel screen.

- Open the FireBoard App.
- If you are in the Chart view, tap *Detail* in the top right corner.
- Tap the left side of the row for the channel you want to edit.

To change the channel name, tap the current channel name then enter the new channel name.

You can also <u>set an alert</u> and manage notifications on the Manage Channel screen.

Tapping on the right side of the channel row, on the chart, shows the Channel Detail screen. The Calendar/Clock icon allows you to view different time ranges for the channel. The Pencil icon will take you to the Manage Channel screen. You can tap the channel name/temperature on the left on this screen to reach the Manage Channel options.

Sessions

A new session will automatically start once temperature data is being pushed. To manually start a session:

- Open the FireBoard App.
- Tap *Sessions*.
- Tap the New Session icon, a box with a plus sign, in the top right.

Sessions will automatically close after 30 minutes of inactivity (no temperature data). Max session length is 24 hours: a session will automatically roll over into a new session after 24 hours have elapsed.

Modifying Sessions

Details about the session can be modified from the Session Detail page:

- Open the FireBoard App.
- Tap *Sessions*.

- Tap the desired session from the list.
- Tap the Pencil icon.

Here, you can give your session a unique name, adjust the start and/or end time, and add additional information in the Description section.

You can also edit a session from the Chart view.

Adding Notes & Photos

Keep track of important events along your session timeline by using the Notes feature.

- Open the FireBoard App.
- Tap *Sessions*.
- Tap the session of your choice.
- Swipe left.
- Tap *Add Note*.

Each note can be assigned a time and channel, along with descriptive text and multiple images. This will be represented by a point on the session chart for easy reference.

Notes can be added via the Session widget on the dashboard or from the Session Detail page.

You can also add a note from the Chart view. Simply tap the point on the chart where you wish to add a note, then tap the "+" symbol within the pop-up on the chart.

Sharing Sessions

Share your FireBoard session with others by tapping the Share icon in the App or browser window while viewing a session. Your live temperature data, session notes, chart, and Drive data will be viewable through a URL that can be shared via social media, email, or copying the link to your clipboard.

If you change your mind after sharing your session, you can disable the shared link at any time by editing your session and turning off the "Share" toggle.

Deleting Sessions

Sessions can be deleted in the App and through FireBoard.io. Once a session is deleted, it will be removed from your account.

To delete a session in iOS:

- Open the FireBoard App.
- Tap *Sessions*.

- Tap *Edit*. A small "Delete" indicator will appear by each session.
- Make your selection.
- Tap *Done* to finalize.

To delete a session in Android:

- Open the FireBoared App.
- Tap *Sessions*.
- Tap the session you want to delete.
- Tap the three dots icon in the top right corner.
- Tap *Delete*.
- Tap OK to finalize.

To delete a session from FireBoard.io:

- Log in to your account at FireBoard.io.
- In the session list on the left, click the session you want to delete.
- Click *Edit Session*.
- Scroll to the bottom of the page.
- Click *Delete*.
- Click *Delete Session* to finalize.

Downloading Your Data

Temperature readings can be downloaded at any time through the web portal at FireBoard.io. Find your session in the list, then click one of the Download links in the upper right.

- Full Download: one temperature reading per 5 seconds
- 1 Min Resolution: one temperature reading per 1 minute
- 5 Min Resolution: one temperature reading per 5 minutes

The resulting file is a CSV formatted document, easily opened by most spreadsheet software.

Alerts

Stay up to date on your temperatures with alerts.

Setting Alerts

Multiple alerts can be configured for each channel.

- Open the FireBoard App.
- Tap *Detail*.
- Tap the channel for which you wish to set an alert.
- Tap *Add New Alert*.

- Enter the desired alert parameters.
- Navigate away from the page and the alert will be set.

Multiple phone numbers and emails can be added for notifications.

- Open the FireBoard App.
- Tap *Detail.*
- Tap the channel for which you wish to set an alert.
- Tap *Manage Notification Tone, Email, and SMS*.
- Tap the Pencil icon.
- Add phone numbers and/or emails for notifications.

In order to receive in-app notifications, you will need this capability enabled (allowed) for the FireBoard App.

Allowing in-app notifications is a choice typically presented at the initial app installation. To receive Email/SMS notifications, make sure you have an active email and/or phone number defined in your account settings. This setting is located as described above or via *Settings > Manage Account*.

App Notifications are unlimited; however, the following limitations are in place for both email and SMS/text notifications:

- SMS/text notifications are limited to 10 notifications per 24 hour period. At this time SMS messaging is not available outside of North America.
- Email notifications are limited to 30 notifications per 24 hour period.

To delete an alert, simply tap on the alert icon on the left side of the alert details. Tap "OK" in the prompt box to delete or "Cancel" if you would like to keep the alert.

Alert Parameters

Parameter	Description
Max/Min Temp	Thresholds for alert condition: one or both can be set. Maximum temperature alerts will be triggered if the temperature meets or exceeds that value. Minimum temperature alerts will be triggered if the temperature meets or is below that value.

Parameter	Description
Minutes Buffer	Alerts will not fire unless conditions exist longer than this value. The default value is 0.
Email, SMS (Text), App Notifications	Toggle your notification preference(s).
Custom Start/End Times	Define when alerts are active. Alerts will fire only inside of this time window. By default, this window is all day.
Minutes Repeat	Specify how often alerts will repeat once alert conditions are triggered. Default is 30 minutes, minimum is 5 minutes, max is 1440 minutes.

Failsafe Alerts

If you are receiving App alerts even after your FireBoard session is over, odds are that your channel's Failsafe monitor is enabled. To disable:

- Log in to your account at FireBoard.io
- Click *Matrix View*.
- Click the Gear icon by the channel sending the alert.
- Uncheck the Failsafe Monitor checkbox.
- Click *Submit*.

The Failsafe monitor was designed to notify you if your FireBoard has lost power or stopped pushing temperature data. The primary users of this feature are monitoring cold storage units, where uptime is critical, but it is also great for those long cooks on the smoker when you need to be somewhere else.

Advanced Settings

From the "Manage Device" page in the App, visit the "Advanced Settings" page to view additional ways to configure your FireBoard.

- Tap *Settings*.
- Tap your devices serial number.
- Tap *Advanced Settings*.

You can also see this information in our Settings Tab video.

Degree Type

The FireBoard can be set to report temperatures in Fahrenheit (°F) or Celsius (°C). The default setting is Fahrenheit.

Smart Temp Filter

The Smart Temp filter was designed to filter out any interference/noise that is occasionally experienced with sensitive probes like RTD PT-100. When this is enabled, FireBoard will filter out drastic temperature swings. Enabled by default, be sure to disable this feature if you are wanting to test response times of your probes or are conducting an accuracy test.

Screen Contrast

Adjust the screen contrast to suit your preference.

Please note that the screen on the FireBoard 2 Series has a very limited contrast range, and you will likely not see a noticeable difference if adjusted.

Backlight/LED Timeout

Available for the FireBoard 2 Series. When toggled on, the backlight and LED lights on your FireBoard will turn off after 10 minutes of inactivity. The screen will continue to display data. Simply move the FireBoard to reactivate the lights and reset the timer.

Probe Configuration

Each channel can be configured based on the probe that is attached to it.

To check your probe configuration:

- Open the FireBoard App.
- Tap *Settings* at the bottom of the screen.
- Select your FireBoard unit.
- Tap *Advanced Settings*.
- Tap *Probe Configuration*.

From here, you can configure each probe channel.

Probe Type

FireBoard supports multiple probe types: RTD PT-100, 100K Thermistor, and 10K Thermistor. By default, this is set to 100K Thermistor for most FireBoards. If you use a probe type other than 100K Thermistor, be sure to configure your FireBoard probe type (above) for accurate readings. See the <u>Probes</u> section for more information about probe types.

Calibration Offset

Each FireBoard is calibrated in our lab and should provide accurate readings to within ±0.7°F. If you find a need to modify the factory calibration, the reading from each channel can be adjusted +/- in units of degrees, offset from the factory calibration. To return to factory calibration, simply enter "0".

We do not recommend calibrating a thermometer outside of a laboratory environment.

 POWER REQUIREMENTS: 110V – 220V ±10%; 50 – 60 HZ FUSE: GLASS 5A 250VAC 3AB 3AG