**Flame Boss Mobile App Use Cases**

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# Introduction

Here are the top-level requirements for the Flame Boss mobile app (Android and iOS). These requirements are organized by use cases.

## References

Flame Boss Model 100 & 200 Manual, version 1.0, 2003.

# Agents in Use Cases

The following agents participate in the use cases.

|  |  |
| --- | --- |
| User | user of the Flame Boss Mobile App and of the Flame Boss Smoker Controller; the default agent if no agent is specified |
| Controller | Flame Boss Smoker Controller |
| App | Flame Boss Mobile App (either iPhone or Android) |
| Phone | Mobile phone on which App runs |

# Setup Controller Use Cases

## Setup Controller Wifi with AP Mode

1. App instructs User to put controller in Access Point mode

Copy:

On your controller press Menu until the top line shows ***Wifi Name (SSID)***

Press Down arrow one time - the bottom line of the display will read ***AP Mode***

Press Menu to put the controller in Access Point Mode

After a few seconds, the controller screen should show

Wifi Status

AP Mode

(Show button to press when done)

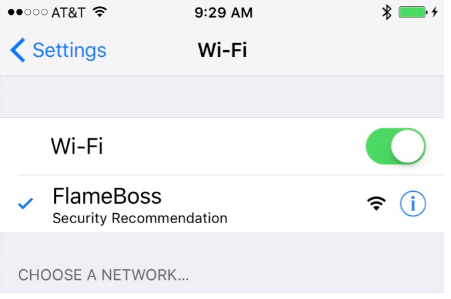
1. App instructs User to use Phone Settings to join to the wifi network named FlameBoss and then re-open App

Copy:

Press the Home button on this phone and then touch the iPhone Settings app (icon) ->

Wi-Fi (icon) -> Choose a Network…

Touch FlameBoss to select it for your Wifi Netork



After selecting Flame Boss for your Wifi Network, re-open this App

1. User re-opens the Flame Boss app
2. App (having been polling network since step 1) detects Flame Boss and notifies User

Copy (before detection):

Trying to connect to your Flame Boss controller in Access Point mode

Copy (after detection):

Congratulations! You are connected to your Flame Boss controller in Access Point mode

Touch Continue to start setting up your controller’s Wifi

1. App receives from the controller a list of wifi networks visible to the controller

App shows user the list of wifi networks that are visible to the controller and asks User to select one to use

Copy (before wifi list received):

Copy (after wifi list received):

Select the wifi network you want your controller to use

(Show wifi list for selection)

1. User selects a wifi network
2. App prompts for password and User enters it.
3. App sends wifi settings to Controller.
4. Controller restarts wifi with new wifi settings, exits AP mode, and joins the network
5. Phone automatically switches back to old wifi when Controller exits AP mode
6. App detects that Controller is online and notifies User of success

Copy:

Congratulations! Your controller is online

1. App stores device ID
2. App instructs User to find PIN displayed on Controller

Copy:

Press Menu until you see myflameboss.com on the top line

The two numbers separated by a dash are your controller’s device ID and PIN

Enter the 2nd number (the PIN):

1. User enters PIN and App stores both device ID and PIN and navigates to Home view

## Setup Controller Wifi with Controller keypad

Listed for future consideration. Do not implement.

## Setup Controller Wifi with Wifi Protected Setup (WPS) Push-Button Configuration

Listed for future consideration. Do not implement.

## Setup Controller Wifi with Apple Wifi Accessory Configuration (WAC)

Listed for future consideration. Do not implement.

# Anonymous Use Cases

Users who have not logged in or not signed up might participate in the following use cases.

## Select a Flame Boss controller

App offers following devices for selection

* Any controller found on same IP address
* Any added controller (if signed up and logged in)
* Any other device by entering its device ID

## View cook

Current or previous cook

If device is online and this is current cook, see set, pit, and meat temps, and blower speed

Support up to 3 meat temps

Show graph

Show title, notes

(v2) Edit or add title, notes

## Sign up

Username (will be seen by other users)

Email address

Password at least 4 characters, no other restrictions

Upon success, discover any devices associated by IP address and offer to add them

## Login

By username or email address plus password

Upon success, discover any devices associated by IP address and offer to add them

# Logged-in User Use Cases

Following are available only to logged-in users.

## Logout

## Add device

This adds a device to the user’s account, after which the user can change its settings.

Inputs are device ID and PIN (from the device).

## Change profile information

Mobile phone number

Text alerts

Temperature scale

Email

Password

# Logged-in User with Added Device(s) Use Cases

Following are available only to logged-in users for added devices.

## Change set temp

## Change pit alarm settings

## Change meat alarm settings

## Change Wi-Fi configuration

SSID, key (key in ASCII or hex), security type

Allow selecting from scanned entries

## Change Sound setting

## View cook history

## Edit cook information

Title, notes, and keep.

# Receive Notifications

Pit temp alarm

Meat temp alarm

Pit open notice