



FLAME BOSS® 500 MANUAL

## **WARNING: Important Safety Instructions**

It is important for the safety of persons to follow these instructions. Save these instructions. Follow all instructions, as incorrect installation and use can lead to injury or property damage. Flame Boss® 500 is intended for use only in dry, outdoor locations. Store the unit indoors in a dry location. If you know or suspect that the Flame Boss controller or power adapter has been exposed to excessive moisture or rain or was submerged in water, do not use the unit. The 12 V DC power to the unit shall be supplied by a properly certified power adapter with SELV / LPS output. Use only the power adapter provided with the unit. Do not allow children to play with a Flame Boss 500. Keep away from children. Flame Boss 500 is not to be used by persons with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge. Do not place or mount a Flame Boss 500 where it is exposed to excessive heat from the grill or smoker.



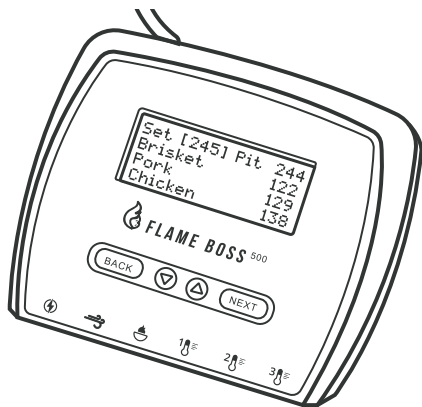
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# CONTENTS

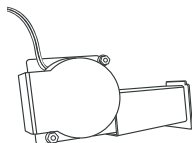
- 04** | What's Included
- 05** | Blower & Adapter Installation
- 10** | Vent Closure
- 11** | Probe Placement
- 12** | Installing Flame Boss Mobile App
- 13** | Using Flame Boss
- 14** | Main Menu
- 16** | Features: Timer, Meat Alarms & Pit Alarms
- 19** | WiFi Setup: Using Apps, Controller & Advanced
- 22** | Other Menu
- 23** | Amazon Alexa & Google Assistant Instructions
- 25** | Connect Modes

# WHAT'S INCLUDED

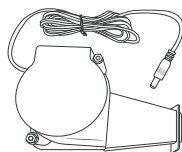
## Flame Boss controller



## Blower

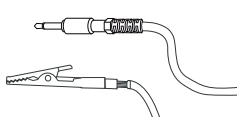


\* Kamado

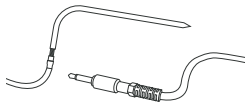


\* Universal

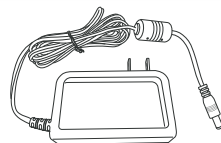
## Pit temperature probe



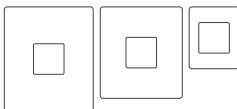
## Meat temperature probe



## 12 V DC power supply

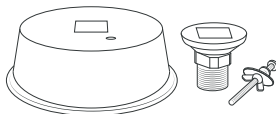


## Adapter plates (3)



\* Kamado

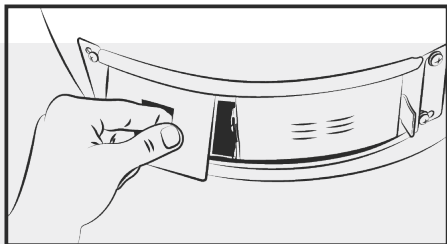
## Manifold with fasteners



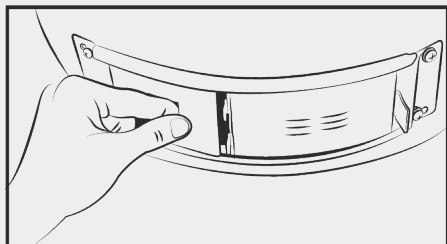
\* Universal

# KAMADO - BLOWER INSTALLATION

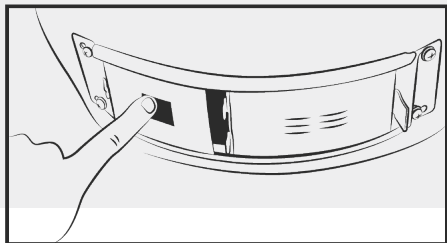
**1**



**2**

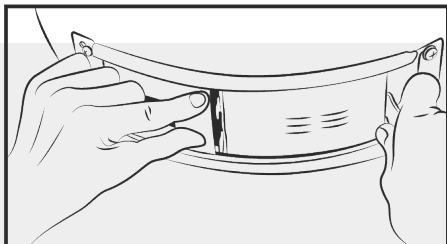


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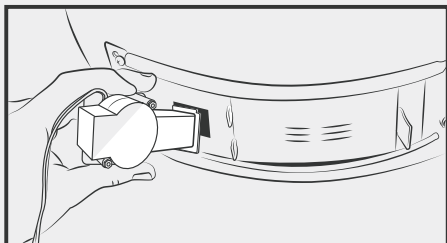


## KAMADO - BLOWER INSTALLATION

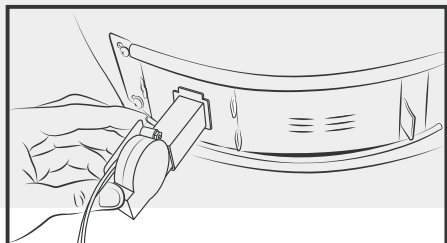
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5

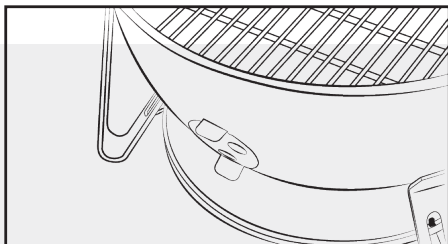


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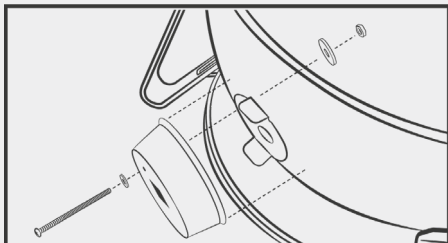


# WEBER SMOKEY MOUNTAIN - BLOWER INSTALLATION

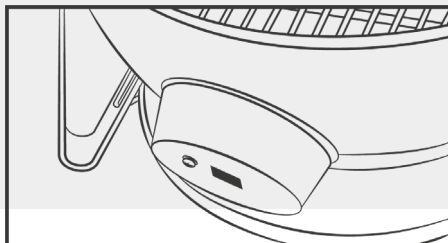
**1**



**2**

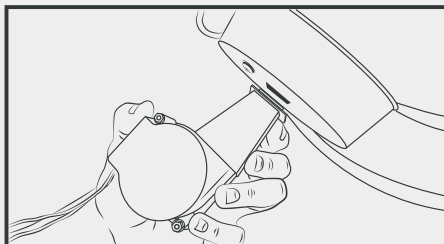


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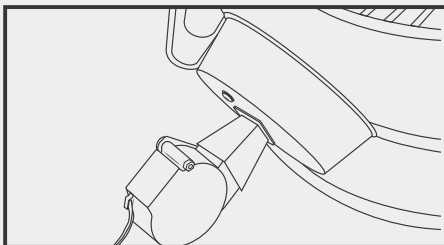


# WEBER SMOKEY MOUNTAIN - BLOWER INSTALLATION

4



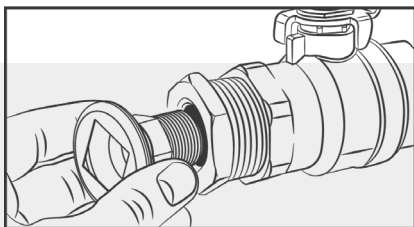
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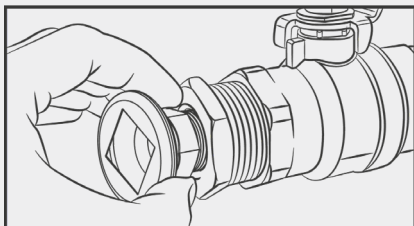


## PIPE THREAD UNIVERSAL - BLOWER INSTALLATION

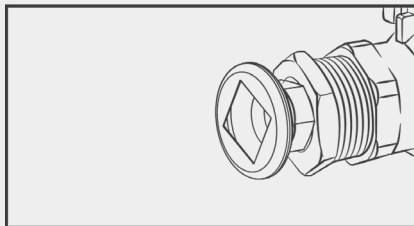
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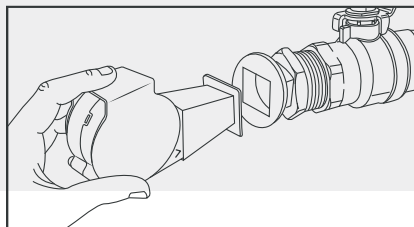
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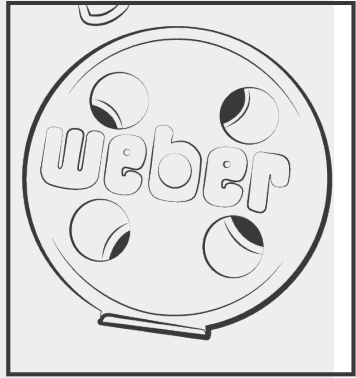
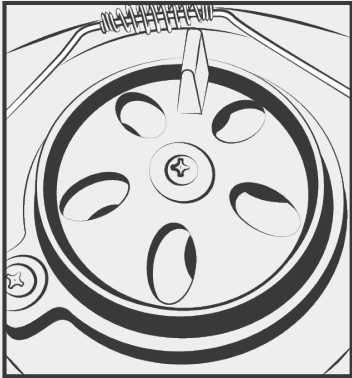
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4

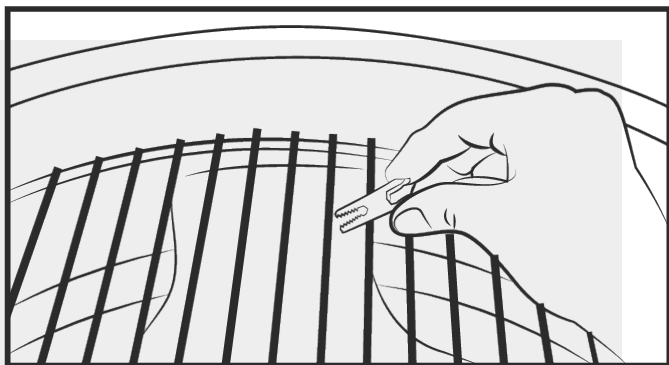


## VENT CLOSURE

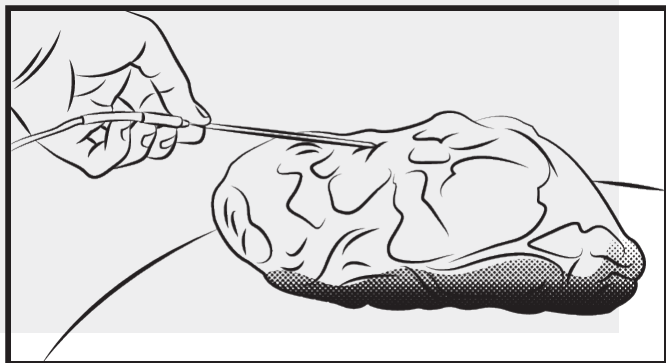


# PROBE PLACEMENT

1



2



## INSTALL FLAME BOSS MOBILE APP

Open the camera app on your tablet or smartphone and point it here:



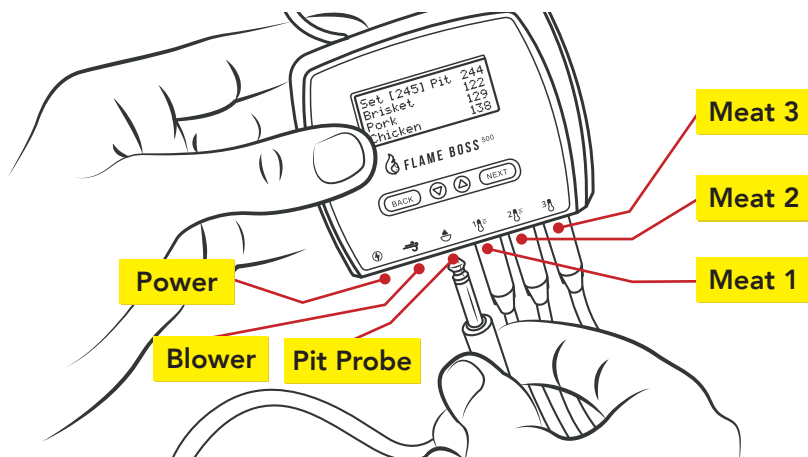
OR if you are unable to scan the code above, open the browser (Chrome or Safari, for example) on your tablet or smartphone and enter the following address: <https://myflameboss.com/app>

Follow the instructions in the Flame Boss app to add a controller.

## USING FLAME BOSS®

Flame Boss uses a variable-speed blower that runs at the best speed to reach and maintain the desired temperature of your smoker.

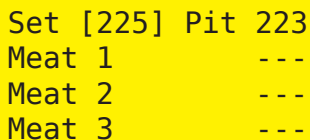
Flame Boss WiFi enabled devices will automatically install updated firmware when connected to the internet. To find an updated manual that might include new features, click the Manuals link in the mobile apps



The Flame Boss 500 has the capability of monitoring 3 meats at a time as shown by Meat 1, Meat 2, & Meat 3. You can change the names of meat probes using our web and mobile apps.

# USING FLAME BOSS®

## Home Screen



```
Set [225] Pit 223
Meat 1      ---
Meat 2      ---
Meat 3      ---
```

The home screen shows the **set temperature**, **pit temperature**, and **meat temperatures**.

The *set temperature* is the desired cooking temperature for your smoker or grill. To change the set temperature, press the ▼ or ▲ buttons.

Pressing **BACK** several times will bring you back to the home screen. The controller will also go back to the home screen after 15 seconds of inactivity.

# MAIN MENU

> Timer  
Meat Alarms  
Pit Alarm  
WiFi

From the home screen, press **NEXT** to access the main menu. Press ▼ or ▲ to scroll through the features.

Pit Alarm  
WiFi  
Advanced WiFi  
> Other

Press **NEXT** to enter a feature.

Press **BACK** to return to the menu.

# FEATURES

You can configure any setting that has [ ] brackets around it.

▼ or ▲ cycles through the different options or values of the setting.

**NEXT** saves the settings and moves the brackets to the next configurable setting.

**BACK** moves the brackets to the previous setting.

## Timer

```
Timer  
[0:05:00]  
Off
```

▼ or ▲ changes timer's minutes and seconds.

```
Timer  
0:04:49  
[On]
```

▼ or ▲ turns timer On or Off.



# FEATURES

## Meat Alarms

Meat Alarm [1]  
Off

▼ or ▲ selects the meat alarm to configure.

Meat Alarm 1  
[Off]

▼ or ▲ turns the meat alarm mode to Off, On, or On + Keep Warm.

Meat Alarm 1  
On  
[195] Done

▼ or ▲ changes the desired meat done temperature when the mode is set to On.

Meat Alarm 1  
On + Keep Warm  
[195] Done  
[200] Keep Warm

▼ or ▲ changes the desired meat done temperature when the mode is set to On + Keep Warm.

Meat Alarm 1  
On + Keep Warm  
195 Done  
[200] Keep Warm

▼ or ▲ changes the keep warm temperature when the mode is set to On + Keep Warm.

The set temperature will automatically adjust to the keep warm temperature to keep food warm after it reaches the meat done temperature.

# FEATURES

## Pit Alarm

Pit Alarm  
[Off]

▼ or ▲ turns the pit alarm mode to Off or On.

Pit Alarm  
On  
+/- Limit [20]

▼ or ▲ changes the pit alarm temperature range.

If the pit temperature goes outside this range from the set temperature, the pit alarm will trigger.

# WiFi SETUP USING MOBILE APPS

To set your controller in **Access Point Mode**, follow the screens below:

WiFi Mode  
[Access Point]

▼ or ▲ toggles between Station and Access Point mode.

Select Access Point mode and press **NEXT**.

WiFi Status

AP Mode  
SSID: FB-#####

The controller will display this WiFi Status indicating the controller is in Access Point mode.

The numbers, #####, following the FB- is the controller's device ID.

Ex: FB-32270 (This is the SSID and 32270 is the device ID)

- \* Refer to page 13 for instructions to download iOS or Android mobile app.
  1. Using the mobile app, create a **MyFlameBoss.com** account and log in.
  2. Once logged in, tap on the Controllers tab (2nd tab from the left) on the bottom of the app.
  3. At the top of the Controllers tab, click the **Add** link and follow the steps shown.

# WiFi SETUP USING CONTROLLER

WiFi Mode  
[Station]

▼ or ▲ toggles between Station and Access Point mode. Selection Station mode and press **NEXT**.

Hide PIN in  
online notice?

[Yes]

▼ or ▲ hides or unhides the pin in the online notice.

WiFi Name (SSID)  
> sabshomewifi  
fb  
fb-guest

▼ or ▲ cycles through available local networks detected by the controller. Select your WiFi Name and press **NEXT**.

WiFi Password  
Format: Text  
[→]

Enter

Press ▼ or ▲ to select a character. Press **NEXT** to save the character and move to the next position.

This will duplicate the last character. Press ▼ or ▲ to select the next character and press **NEXT** to save it and move to the next position. Repeat until all characters are entered.

WiFi Password  
Format: Text  
[password123→]

Enter

At the end of your password the last letter should be duplicated. Press ▼ or ▲ to select → (Enter) and press **NEXT** to save.

**Note:** If your WiFi network is using WEP security, change the format to Hex.

WiFi Status  
Joining fb

After saving your password, the controller will join your WiFi network.

Online! Visit  
MyFlameboss.com  
ID: 12345  
Pin: 1234

Once connected, the display will show the ID & Pin of your controller.

## ADVANCED WIFI (OPTIONAL)

WiFi MAC Address  
2c:3a:e8:  
22:12:75

This screen displays the controller's Station MAC Address.

IP Addr Method  
[Auto (DHCP)]

or

IP Addr Method  
[Static IP]

▲ or ▼ toggles between Auto (DHCP) and Static IP configuration.

\*\*Auto (DHCP) is the default configuration.

IP Address  
192.168.128. 62

IP Address  
[192.168.128. 62

▲ or ▼ changes each byte.

**NEXT** moves to the next byte.

This screen displays the controller's IP address when connected to a WiFi network.

Network Mask  
[255. 0. 0. 0

▲ or ▼ changes each byte.

**NEXT** moves to the next byte.

Network Gateway  
[255.255.255. 0

▲ or ▼ changes each byte.

**NEXT** moves to the next byte.

WiFi Status  
Joining fb

After configuring the Static IP Address, the controller will join your WiFi network.

Online! Visit  
MyFlameboss.com  
ID: 12345  
Pin: 1234

Once connected, the display will show the ID & Pin of your controller.

## OTHER MENU

Sound  
> Off  
Chirps  
Chirps & Alarm

▼ or ▲ changes the type of sounds the controller makes.

LCD Contrast

[40]

▼ or ▲ changes the LCD contrast.

Max Open Pause

[ 2:00]

▼ or ▲ changes the maximum time the controller will stay in *open pit mode* (controller disables the blower to avoid over-stoking the fire).

Temp Scale  
> Fahrenheit  
Celsius

▼ or ▲ changes the temperature scale.

Probe High Temp  
Alarm

[450]

▼ or ▲ changes the maximum temperature allowed on a probe before the probe high temp alarm is triggered.

\*\*Our probes are rated to 450°F so this is the default.

Version  
4.00.000

This screen displays the current firmware version of your controller.

# AMAZON ALEXA

## Amazon Alexa Instructions:

Download the Amazon Alexa application for your mobile device and sign into your Amazon account. Go to "Skills" on the Alexa app to search and enable the Flame Boss skill or simply speak to your Alexa-enabled device and say "Alexa, enable Flame Boss." Now you can use a variation of the following voice commands:

*Alexa, open Flame Boss.*

*Alexa, tell Flame Boss to change the set temperature to 300 degrees.*

*Alexa, ask Flame Boss for the temperatures.*

*Alexa, ask Flame Boss for the Meat 1 temperature.*

*Alexa, ask Flame Boss to tell me the set temperature.*

*Alexa, tell Flame Boss to forget my info.*

*Alexa, tell Flame Boss my controller ID is \_\_\_\_.*

*Alexa, tell Flame Boss my controller PIN is \_\_\_\_.*

*Alexa, tell Flame Boss to change the set temperature.*

*Alexa, tell Flame Boss to switch to Celsius/Fahrenheit.*

# GOOGLE ASSISTANT

## Google Assistant Instructions:

Download the Google Assistant or the Google Home application. Say a voice command using the Google Assistant app or simply speak to your Google Home using a variation of the following voice commands:

*OK Google, open Flame Boss.*

*Hey Google, ask Flame Boss to change the set temperature to 225 degrees.*

*OK Google, ask Flame Boss for the temperatures.*

*OK Google, ask Flame Boss for the Meat 2 temperature.*

*Hey Google, ask Flame Boss for the set temperature.*

*Hey Google, ask Flame Boss to forget my info.*

*OK Google, ask Flame Boss to set my controller ID to \_\_\_\_.*

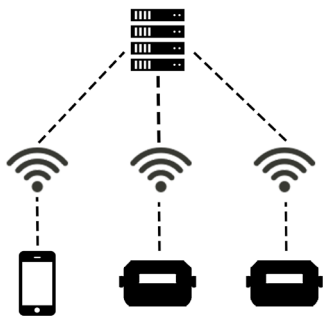
*OK Google, ask Flame Boss to set my controller PIN to \_\_\_\_.*

*OK Google, ask Flame Boss to change the set temperature.*

*Hey Google, ask Flame Boss to switch to Celsius/Fahrenheit.*



## CONNECT MODES (AVAILABLE IN FIRMWARE VERSIONS 4.0 AND ABOVE)

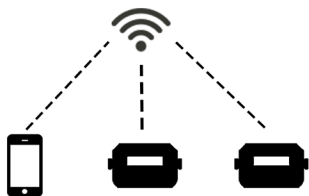


To change modes, press the **Mode** link at the top of the Account tab.

### Cloud Connect:

Your phone will connect to our server over the internet and you can view and manage any of your connected controllers. This mode has the most functionality including cook history and cook notes. If both your phone and controller have internet access, use this mode.

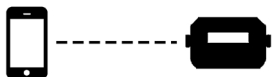
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### Local Connect:

Your phone will detect any controllers on your local WiFi network. You can then connect to your controllers to view and manage them. History and Account pages are disabled for this mode. If you have a router with no internet access, use this mode.

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### Direct Connect:

Your phone will connect directly to your controller so you can view and manage it. Using this mode requires the controller to be in Access Point mode. History and Account pages are disabled for this mode. If you don't have a router, use this mode.



This product contains ee\_printf which includes the following notice:

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**ENJOY  
YOUR COOK**

