FLAME BOSS® 500 MANUAL

Version 4.0 | Download latest at FlameBoss.com/manuals

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.
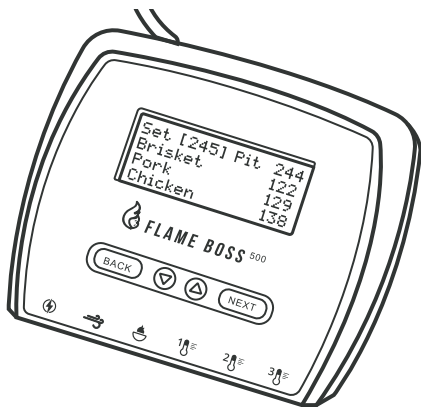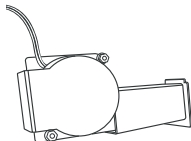
CONTENTS

CRUISE CONTROL
FOR YOUR
GRILL OR SMOKER

WHAT'S INCLUDED

Flame Boss controller

Set [245] Pit 244
Brisket
Pork   122
Chicken   129
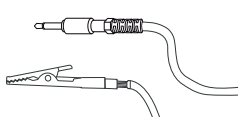   138

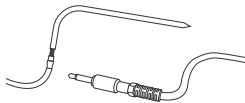FLAME BOSS 500

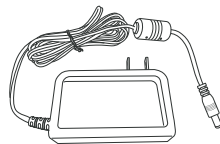BACK ▽ △ NEXT
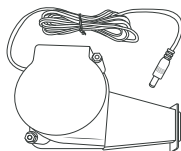
Blower

* Kamado
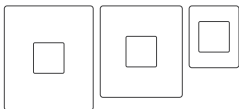

* Universal

Pit temperature probe

Meat temperature probe

12 V DC power supply

Adapter plates (3)
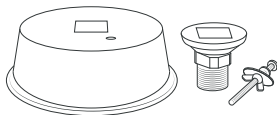

* Kamado
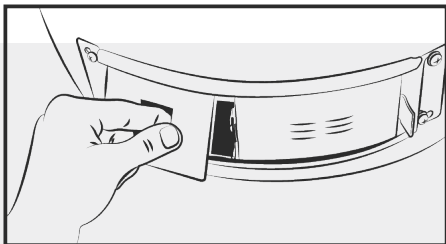
Manifold with fasteners

* Universal

KAMADO - BLOWER INSTALLATION

1

2
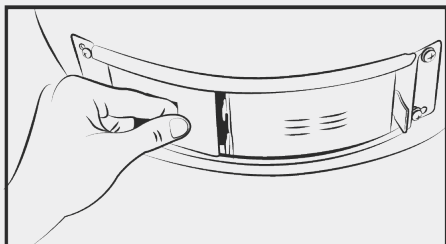
3
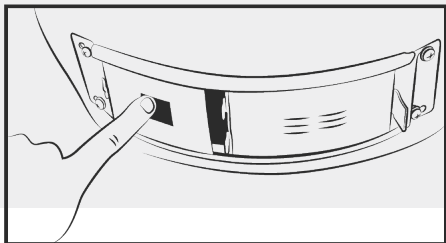
KAMADO - BLOWER INSTALLATION

4
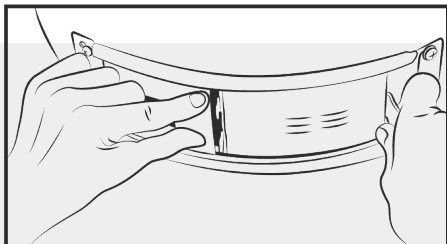
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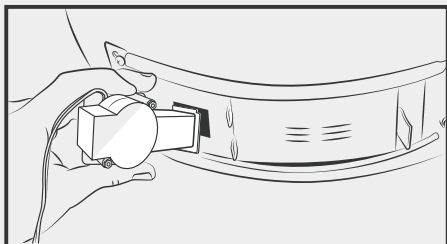
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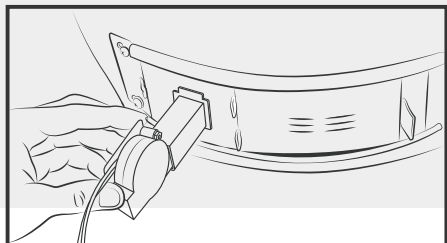
WEBER SMOKEY MOUNTAIN - BLOWER INSTALLATION

1
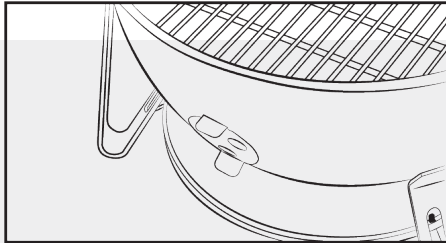
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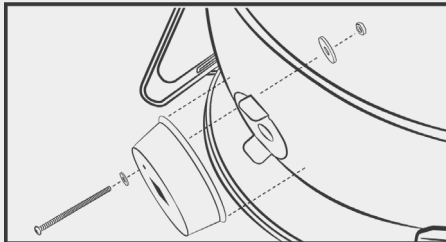
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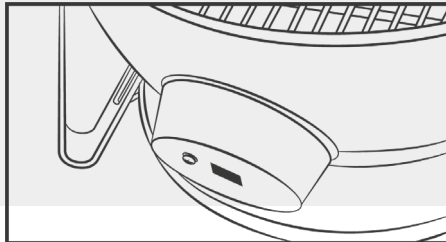
WEBER SMOKEY MOUNTAIN - BLOWER INSTALLATION
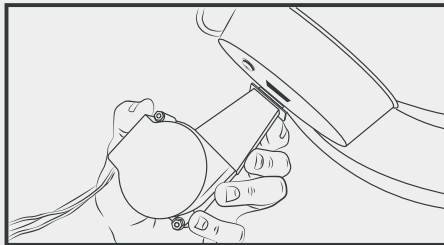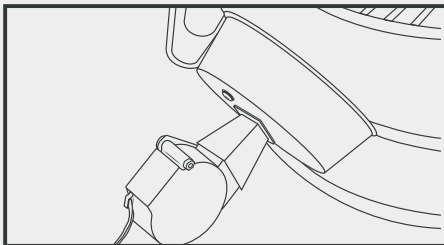
PIPE THREAD UNIVERSAL - BLOWER INSTALLATION

1
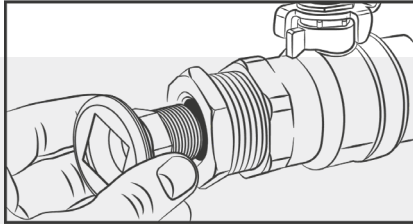
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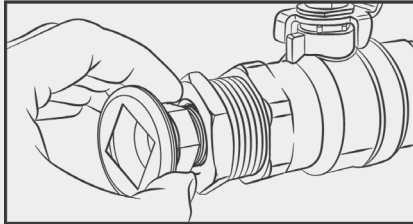
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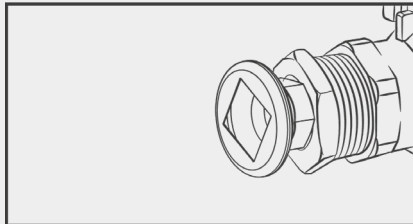
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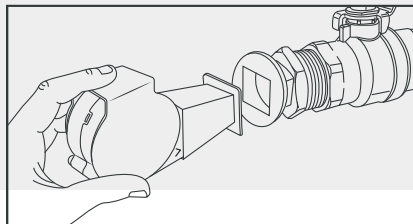
VENT CLOSURE
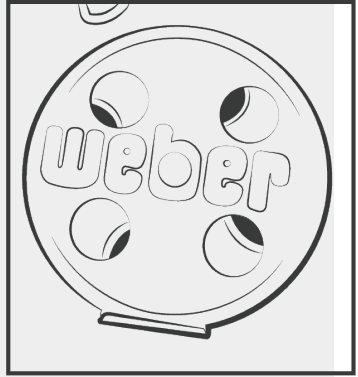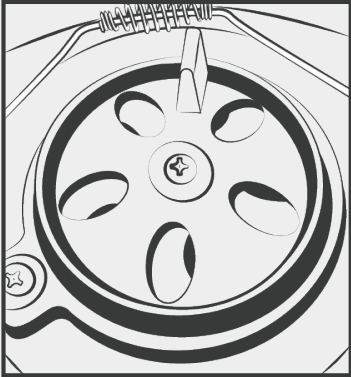
PROBE PLACEMENT
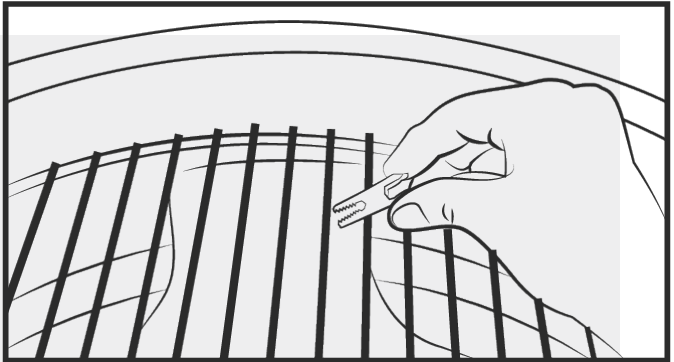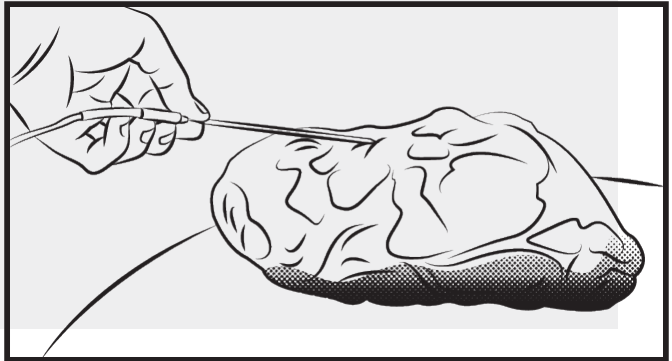
INSTALL FLAME BOSS MOBILE APP

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.
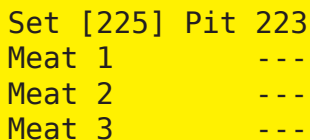
Flame Boss WiFi enabled devices will automatically install updated firmware when connected to the internet. To find an updated manual that might include new features, click the Manuals link in the mobile apps or go to www.FlameBoss.com/manuals.
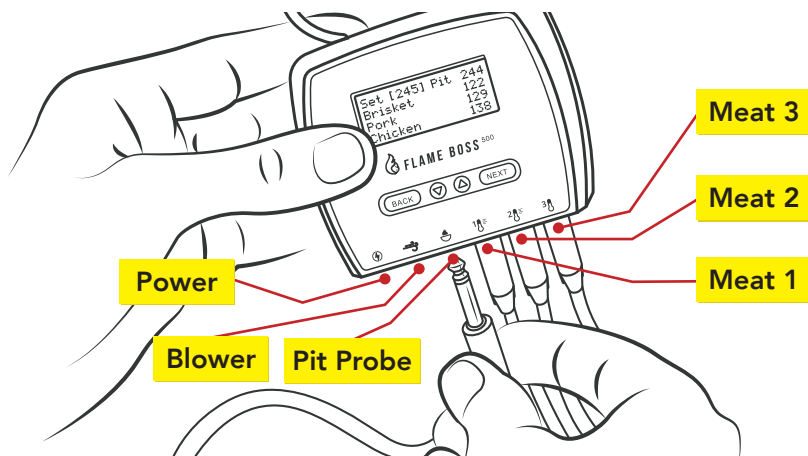
The Flame Boss 500 has the capability of monitoring 3 meats at a time as shown by Meat 1, Meat 2, & Meat 3. You can change the names of meat probes using our web and mobile apps.

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.

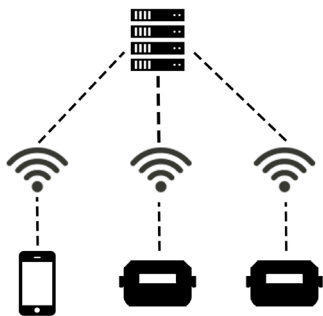*OK Google, ask Flame Boss to set my controller ID to _____.*

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 functionallity including cook history and cook notes. If both your phone and controller have internet access, use this mode.
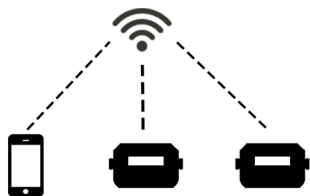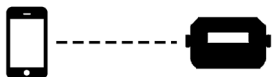
Local Connect:

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.

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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