

## Definition

1. **Stoke** - Manual heating mode - fan engages until stopped
2. **Grill (Timer)** - App heating mode - fan engaged via mobile app
3. **Cook (Temp Setting)** - App heating mode - fan engaged via mobile app
4. **Connect Mode** - Device emits WiFi signal to connect to app on mobile device and receive instructions/credentials
5. **Short Press** - Less than 5 seconds
6. **Long Press** - Longer than 5 seconds

## LED Overview

### Blue - Not Cooking

- Solid - Connected to WiFi
- Slow Flash - Connecting to WiFi
- Quick Flash - Connecting to Mobile Device (Connect Mode)

### Green - Cooking

- Solid - Connected to WiFi
- Slow Flash - Connecting to WiFi
- Quick Flash - Connecting to Mobile Device (Connect Mode)

**Teal - Not connected to the internet and not attempting to.**

## Button Overview

A button is available on the opposite side of the vent handle. This button has multiple functions as described below:

### Short Button Press - 3 second press

- Start Stoke Mode (exits Connect if currently in Connect)
- Stop the fan from running

### Long Press - 8 second press

- Starts Connect Mode (and exits Stoke mode if currently in Stoke)

### Unplug and Plug Device Back In

- Immediately attempts to connect to internet
- Stops any existing Stoke
- Resumes any current Grill or Cook from mobile app

## Updated Version of App

1. **Mobile App:** User gets a notification letting them know they can update. User is told to turn device on and can't update while cooking or grilling.
2. User presses update. The device version will change when the update is successfully complete. The user should not turn off the device or disconnect it from the internet during this time.

## Important Notes

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

## USER MANUAL

# BBQ CONTROLLER

Kamado Joe is committed to innovation, relentless product development and expert craftsmanship. We push every possibility to give grillers what passion demands: a better grill and more perfect grilling experience.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

**IMPORTANT: PLEASE READ**



## Turn On Device

### First Time

Device:

1. User plugs in device. User should download mobile app and start connecting.
2. User should execute Long Press on Setup Button, connect to device WiFi w/ mobile phone and follow app instructions.

### Previously Connected

Device:

1. User plugs in device.
2. Device connects to the internet with saved WiFi credentials and the LED shows Blue Slow Flash until connected.

## Connect - Device Setup

### Giving the device WiFi credentials and registering it to your account

1. App: Screen instructs user to connect device to power (See "Turn On Device") and use Long Press to initiate Connect Mode.
2. Device: Blue Quick Flash to signify Connect Mode, creating a WiFi network.
3. App: User connects to the device's WiFi network "iKamand-XXXXXX" and enters the home WiFi network (home WIFI) SSID and password that they want the device to connect to. The controller should be near the WiFi network they want to connect to. Give the device a couple minutes to complete network handshake.
4. **If successful:**
  1. Device: Blue Solid LED.
  2. App: User has successfully connected the device to their account.
5. **If not successful:**
  1. Device: Blue Slow Flash.
  2. App: User can enter/try new credentials or skip. User prompted to press Connect Button and reconnect to the device's WiFi.

## Manual Stoke

1. Device: User applies Short Press on Setup Button on device and device starts running the fan at full speed for 5 minutes.
2. The user can start cooking or grill from the app and override the Stoke.
3. If the user Short Presses Setup Button, the stoke ends. If they apply a Long Press, the stoke ends and they enter Connect mode.

## Grill

### Start Grill from App:

1. User presses Grill button in app and selects a time duration, then presses "Start":
  - A. If device is on, connected and successfully starts, user should enable push notifications and then move to the Grill monitor page → **See Monitor (Grill)**
  - B. If user has never connected to device before, user is notified and can Connect → **See Connect**
  - C. If device is off (or has no WiFi connection), user is told to turn device on and attempt again → **See Turn On Device**

### Stopping Grill

User can press stop at any time by Short Pressing the Setup Button on the device or pressing a button in the mobile app, at which point the Grill mode will end.

### Device Overheating

If the temperature probes are over the max safety temperature, then Stoke mode or Grill mode will automatically stop.

## Monitor (Grill)

Users can (on the app):

- Monitor temperatures
- Change the grill duration
- See how much time is left on the grill
- Stop the grill by Short Pressing the Setup Button or pressing a button on the mobile app
- Change the WiFi credentials while grilling

## Cook (Low and Slow) Controlled Pit Temp

Starting a cook:

1. User adds pit temperature, target food temperature, weight and food type in mobile app. Users can also cook from recipes in mobile app.
2. User selects probe that they are using to measure food. (Probes should be hooked up.)

3. User starts cooking and is asked to enable notifications:
  - A. If device is on, connected and successfully starts cooking, user moves to monitor page → **See Monitor**
  - B. If user has never connected to device before, user is notified and can Connect → **See Connect**
  - C. If device is off (or has no WiFi connection), user is told to turn device on and attempt again → **See Turn On Device**
4. Device receives command and successfully starts cooking. LED lights:
  - A. If connected: Green Solid LED
  - B. If attempting to connect: Green Slow Flash
  - C. If in Connect mode: Green Quick Flash
5. Device runs fan to control the Pit temperature and sends temperature values to the user via WiFi
6. When the last food reaches its target temperature, the device will stop running if connected to WiFi

## Monitor (Cook)

Users can (on the app):

- Monitor temperatures
- Change target pit and food temperatures
- View graphs of their food and pit temperatures
- Estimate when food will be ready
- Keep their food warm by setting their pit temperature to the temperature of their food
- Change the WiFi credentials while cooking
- Stop the Cook session from the mobile app or by Short Pressing the button

## Notifications

The user will get notifications:

- 10 minutes before food is ready
- When the target pit temperature is reached
- When food is ready
- If pit temperature is too high and another vent should be closed
- If any probe is not working
- If device loses internet connection
- Another user connects to the device - the fan will stop running