

Big Green Egg 121028

Big Green Egg Egg Genius User Manual

WiFi Enabled Grill Temperature Controller and Meat Thermometer

INTRODUCTION

The Big Green Egg Egg Genius is a WiFi-enabled device designed to control and monitor the temperature of your Big Green Egg grill. It allows users to remotely manage the grill's internal temperature, track food temperatures, and receive alerts via a smartphone, tablet, or computer application. This system helps maintain consistent cooking temperatures for optimal results.



Image: The Big Green Egg Egg Genius unit, a green rectangular device with the Big Green Egg logo and a small indicator light, designed to attach to the grill's air intake.

PACKAGE CONTENTS

Verify that all components are present in the package before proceeding with setup.

- Egg Genius Controller Unit
- Power Adapter
- Two (2) Industrial-Duty Thermometer Probes (for pit and food temperature)
- Mounting Bracket
- User Manual / Quick Start Guide



Image: All components of the Egg Genius system laid out, including the main unit, power adapter, two temperature probes, mounting hardware, and documentation.

SETUP INSTRUCTIONS

1. **Physical Installation:** Attach the Egg Genius unit to the lower draft door of your Big Green Egg using the provided mounting bracket. Ensure a secure fit to prevent air leaks.
2. **Power Connection:** Connect the power adapter to the Egg Genius unit and plug it into a standard electrical outlet. The unit will power on.
3. **Probe Connection:** Insert the industrial-duty thermometer probes into the designated ports on the Egg Genius unit. One probe is typically used for monitoring the grill's ambient temperature (pit probe), and the other for monitoring the internal temperature of the food (meat probe). Up to three meat probes can be used simultaneously with an optional Y-cable (sold separately).
4. **App Download and WiFi Setup:**
 - Download the official Big Green Egg Genius application from your device's app store (iOS or Android).
 - Alternatively, visit the official Big Green Egg website for setup instructions and links.

- Follow the in-app instructions to connect the Egg Genius to your home WiFi network. This typically involves scanning a QR code or following a guided pairing process. Ensure your device is within range of your WiFi router during setup.

5. **Initial Temperature Setting:** Once connected, use the app to set your desired cooking temperature for the Big Green Egg.



Image: The Egg Genius unit securely mounted to the lower vent of a Big Green Egg grill, with power and probe cables connected.

OPERATING INSTRUCTIONS

The Egg Genius provides automated temperature control and monitoring for your Big Green Egg.

1. Starting the Cook:

- Ignite your charcoal in the Big Green Egg as usual.
- Allow the grill to reach approximately 75% of your target temperature before engaging the Egg Genius. This allows the charcoal to establish a stable burn.
- Once the grill is approaching the target temperature, activate the Egg Genius via the app. The variable speed blower will adjust to bring the grill to the precise set temperature.

2. Temperature Monitoring:

- The app displays real-time temperatures for both the grill (pit probe) and your food (meat probe).
- View graphs of your cook progress within the application.

3. Alerts:

- Receive notifications on your smartphone or tablet when your food reaches its target temperature.
- Get alerts if the grill temperature deviates significantly from your set point (too high or too low).

4. Automatic Adjustments:

- The blower automatically adjusts its speed to maintain the set temperature.
- When the dome is opened, the unit detects the sudden temperature drop and temporarily turns off the fan to prevent over-stoking the fire.

5. **Keep Warm Function:** Upon completion of the cook, the Egg Genius can automatically lower the pit temperature to keep your food warm until serving.

6. **Power Outage Recovery:** In the event of a power outage, the unit is designed to resume operation at the last saved set temperature and automatically reconnect to the WiFi network once power is restored.

MAINTENANCE

Proper care ensures the longevity and accuracy of your Egg Genius and its probes.

• Probe Care:

- Clean probes with a damp cloth or sponge after each use. Avoid submerging the probe cables or connectors in water.
- Do not expose probe cables to direct flames or high heat sources above 500°F (260°C) as this can damage the insulation.
- Avoid kinking or sharply bending the probe cables.

• **Unit Cleaning:** Wipe the main Egg Genius unit with a dry or slightly damp cloth. Do not use abrasive cleaners or immerse the unit in water.

• **Storage:** Store the Egg Genius and probes in a clean, dry place when not in use.

TROUBLESHOOTING

If you encounter issues with your Egg Genius, refer to the following common solutions:

• Connectivity Issues (WiFi):

- Ensure the Egg Genius is within range of your WiFi router.
- Verify your WiFi network is 2.4GHz, as some devices may not support 5GHz networks.
- Restart your WiFi router and the Egg Genius unit.
- If issues persist, try resetting the device and re-pairing it with the app. Refer to the in-app help or manufacturer's website for specific reset procedures.

• Inaccurate Temperature Readings:

- Ensure probes are fully inserted into their ports on the Egg Genius unit.
- For meat probes, ensure the tip is placed in the thickest part of the meat, avoiding bone or

gristle.

- For pit probes, ensure it is positioned to accurately read the ambient temperature inside the grill, away from direct flame.
- Inspect probes and cables for any visible damage. Damaged probes may need replacement.

- **Device Losing Settings/Configuration:**

- Ensure the device has a stable power supply.
- Confirm the app and device firmware are up to date.
- If the device frequently loses settings, contact Big Green Egg customer support.

SPECIFICATIONS

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| Brand | Big Green Egg |
| Model Number | 121028 |
| UPC | 665719121028 |
| Product Dimensions | 4"L x 4"W x 4"H |
| Item Weight | 1.02 pounds |
| Material | Stainless Steel, Plastic |
| Color | Green |
| Is Electric | No (refers to the grill, the controller itself is powered) |
| First Available Date | October 12, 2018 |

WARRANTY AND SUPPORT

For warranty information, technical support, or to purchase additional accessories like Y-cables or replacement probes, please contact Big Green Egg customer service directly or visit their official website. Retain your proof of purchase for warranty claims.

Official Big Green Egg Website: www.biggreenegg.com