



WARNING



- This manual contains important information necessary for the proper assembly and safe use of the appliance.
- Read and follow all warnings and instructions before assembling and using the appliance.
- Keep this manual for future reference.



Failure to follow these instructions could result in fire, explosion or burn hazard which could cause property damage, personal injury, or death.



CARBON MONOXIDE HAZARD



- Burning wood chips, wood chunks, wood pellets, charcoal and propane gives off carbon monoxide, which has no odor and can cause death.
- DO NOT burn wood chips, wood chunks, wood pellets, charcoal or propane inside homes, vehicles, tents, garages or any enclosed areas.
- USE ONLY OUTDOORS where it is well ventilated.



WARNINGS AND IMPORTANT SAFEGUARDS



READ ALL INSTRUCTIONS

- Always use grill in accordance with all applicable local, state, and federal fire codes.
- Before each use check all nuts, screws, and bolts to make sure they are tight and secure.
- Never operate grill under combustible overhead construction such as roof coverings, carports, awnings, or overhangs.
- Grill is for OUTDOOR HOUSEHOLD USE ONLY.
- Never use inside enclosed areas such as patios, garages, buildings, or tents.
- Never use inside or on recreational vehicles or boats.
- Maintain a minimum distance of 10ft (3m) from overhead construction, walls, rails or other structures.
- Keep a minimum 10ft (3m) clearance of all combustible materials such as wood, dry plants, grass, brush, paper, or canvas.
- Never use grill for anything other than its intended use. This grill is NOT for commercial use.
- Accessory attachments not supplied by Masterbuilt Manufacturing, LLC are NOT recommended and may cause injury.
- Use of alcohol, prescription, or non-prescription drugs may impair user's ability to properly assemble or safely operate grill.
- Keep a fire extinguisher accessible at all times while operating grill.
- When cooking with oil or grease, have a type BC or ABC fire extinguisher readily available.
- In the event of an oil or grease fire do not attempt to extinguish with water. Immediately call the fire department. A type BC or ABC fire extinguisher may, in some circumstances, contain the fire.
- Use grill on a level, non-combustible, stable surface such as dirt, concrete, brick, or rock. An asphalt surface (blacktop) may not be acceptable for this purpose.
- Grill MUST be on the ground. Do not place grill on tables or counters. DO NOT move grill across uneven surfaces.
- Do not use grill on wooden or flammable surfaces.
- Keep grill clear and free from combustible materials such as gasoline and other flammable vapors and liquids.
- Do not leave grill unattended.



WARNINGS AND IMPORTANT SAFEGUARDS



- Keep children and pets away from grill at all times. Do NOT allow children to use grill. Close supervision is necessary when children or pets are in the area where grill is being used.
- Do NOT allow anyone to conduct activities around grill during or following its use until it has cooled.
- Never use glass, plastic, or ceramic cookware in grill. Never place empty cookware in grill while in use.
- Never move grill when in use. Allow grill to cool completely (below 115°F (45°C)) before moving or storing.
- Do not store grill with hot ashes or charcoal inside grill/hopper. Store only when fire is completely out and all surfaces are cold.
- Never use grill as a heater (READ CARBON MONOXIDE HAZARD).
- The grill and hopper heat shields are HOT while in use and will remain HOT for a period of time afterwards and during cooling process. Use CAUTION. Wear protective gloves/mitts.
- Be careful when removing food from grill. All surfaces are HOT and may cause burns. Use protective gloves/mitts or long, sturdy, cooking tools for protection from hot surfaces or splatter from cooking liquids.
- DO NOT bump or impact the grill to prevent personal harm, damage to grill, or spillage/splashing of hot cooking liquid.
- Do not touch HOT surfaces
- Grill is hot during use. To avoid burns, keep face and body away from door(s) and vents. Steam and hot air are expelled during use.
- Hopper heat shield, hopper lid and latch, hopper ash door and latch are HOT while the grill is in use and during cooling. Wear protective gloves when working with and around these components.
- Grill has an open flame. Keep hands, hair, and face away from flame. Do NOT lean over grill when lighting. Loose hair and clothing may catch fire.
- DO NOT obstruct flow of combustion and ventilation.
- Do not cover cooking grates with metal foil. This will trap heat and may cause damage to the grill.
- Never leave HOT coals or ashes unattended.
- Do not remove ashes while ashes and charcoal are HOT.
- Keep hands, hair, and face away from the burning charcoal. Be careful of loose hair and clothing during operation as they could catch fire.
- Use protective gloves when handling this grill or working with fire. Use protective gloves or long, sturdy fireplace tools when adding wood or charcoal.
- Never use charcoal lighting fluid, gasoline, alcohol or other highly volatile fluids to ignite charcoal. These fluids can explode causing injury or death. Always follow specific lighting instructions for this grill.
- Never overfill charcoal hopper. This can cause serious injury as well as damage to the grill.
- Dispose of cold ashes by placing them in aluminum foil, soaking with water, and discarding in a non-combustible container.
- When using electrical appliances, basic safety precautions should always be followed including the following: 1) Do not plug in the appliance until fully assembled and ready for use. 2) Use only approved grounded electrical outlet. 3) Do not use during an electrical storm. 4) Do not expose appliance to rain or water at any time.
- To protect against electrical shock do not immerse cord, plug or control panel in water or other liquid.
- Do not operate any appliance with a damaged cord or plug, or after appliance malfunctions or has been damaged in any manner.
- Extension cords may be used if care is exercised in their use. • If an extension cord is used: 1) The marked electrical rating of the extension cord should be at least as great as the electrical rating of the appliance; and 2) the cord should be arranged so that it will not drape over the counter top or tabletop where it can be pulled by children or tripped over unintentionally.
- The extension cord must be a grounding-type 3-wire cord.



WARNINGS AND IMPORTANT SAFEGUARDS



- Outdoor extension cords must be used with outdoor use products and are marked with suffix “W” and with the statement “Suitable for Use with Outdoor Appliances.”
- CAUTION - To reduce the risk of electric shock, keep extension cord connection dry and off the ground.
- Do not let cord hang on or touch hot surfaces.
- Do not place cord on or near a gas or electric burner or in a heated oven.
- To disconnect, turn controller “OFF” then remove plug from outlet.
- Unplug from outlet when not in use and before cleaning. Allow appliance to cool completely before adding/removing internal components.
- Do not clean this product with a water sprayer or the like.
- Grill should only be rolled on smooth surface.
- Grill should never be rolled up/down stairs or uneven surface.
- Potential damage to grill or harm to user may result from failure to follow warnings.
- Never open hopper during use. If it is necessary to refill charcoal during use follow the specific reload instructions for this grill and always wear protective gloves.
- Never operate the grill with the temperature probe removed. This can cause the grill to overheat and cause serious personal injury and/or damage to the grill.
- Install heat intake and air intake slides after every use.
- Remove heat intake and air intake slides before every use.
- Never operate the grill with the heat intake and air intake slides installed in the grill. This can damage the grill.

SAFETY FEATURES

Lid Switch – *Prevents grill from overheating.*

- If the set temperature is **above** 500°F (260°C) the controller will regulate the grill temperature to 500°F (260°C) when the grill lid is opened. Once the lid is closed the grill will return to the set temperature.
- If the set temperature is **below** 500°F (260°C) the controller will continue to regulate the grill at the set temperature when the grill lid is opened.

Hopper Switches – *Reduces chimney effect when hopper is opened.*

1. Hopper Lid Switch: The fan will stop when the hopper lid is opened. The fan will restart when the hopper lid is closed.
2. Hopper Ash Door Switch: The fan will stop when the hopper ash door is opened. The fan will restart when the hopper ash door is closed.

SAVE THESE INSTRUCTIONS

Operating Instructions

RELOAD

If it is necessary to refill the hopper while cooking, follow the safe reloading instructions below.

- **DO NOT add charcoal when grill is in excess of 250°.**
- The fan will turn off if you open the hopper lid or ash door. This reduces the chimney effect created when these doors are opened.
- Gravity fed technology works by maintaining a completely sealed hopper. When the hopper lid is opened the flame will rise from the top of the hopper like a torch. Closing the hopper lid and ash door will return the flame to the normal operating level.
- The amount of charcoal in the hopper determines how quickly the flame will rise when the hopper lid is opened.

Adding charcoal:

1. Open hopper lid.
 - Use caution and wear protective gloves. Hopper lid will be hot.
 - **Flame will rise from hopper after a short time depending on the charcoal level.**
2. Pour charcoal into hopper.
3. Close hopper lid.

SHUTDOWN

1. Turn controller off.
2. Close grill lid, hopper lid and ash door.
3. Install heat intake and air intake slides.
 - The grill is designed to starve the charcoal of oxygen when shut down. This allows a percentage of unused charcoal to be saved for the next cook.
4. Failure to install slides when shutting down may cause damage to grill.

ADDING SMOKE/FLAVOR

Option 1: Place wood chunks or charcoal in the ash tray to add flavor before setting temperature. As the charcoal in the hopper burns, the hot embers will fall onto the wood/charcoal in the tray, causing it to burn at a slower rate and release more flavor into the grill.

* NOTE: Never add more than ½ lbs at a time. Additional chunks or charcoal should not be added until any previously added have ceased generating smoke.

Option 2: Mix wood chunks in the hopper with charcoal.

* NOTE: Never use more than 1.5 lbs of wood chunks throughout the hopper.

CONTROL PANEL



Power ON/Off Controller:

1. Press button to power controller ON.
2. Press and hold button to power controller OFF.



Set Temperature:

1. Press button.
2. Turn knob to desired temperature.
3. Press button again to set temperature
(Time will automatically set after 3 seconds.)



Set Time:

- **Countdown Timer**
 1. Press button.
 2. Turn knob to desired hours.
 3. Press button to set hours.
 4. Turn knob to desired minutes.
 5. Press button to set minutes. The timer will start.
 6. Press button to pause and resume timer.
 7. Press and hold button to reset timer.



Set Temperature From F° to C° :

1. With power off, hold set temp button
2. Press power button
3. Unit powers up with "F" or "C" flashing on display
4. Use knob to select temp unit
5. Press set temp to confirm

- **Count Up Timer**

1. Press and hold button.
2. Timer will begin counting up from 00:00. Timer will count by Minutes:Seconds and then Hours:Minutes.
3. Press button to pause and resume timer.
4. Press and hold button to reset timer.

Operating Instructions

Set Meat Probe Temperatures:

1. Press button and turn knob to select meat probe (MP1, MP2, MP3, MP4). Press button again.
2. Press temperature button.
3. Turn knob to desired temperature.
4. Press temperature button again to set the temperature.

(If meat probe reaches 300°F, an alarm will sound and the meat probe must be removed from heat and given time to cool. Meat probe will be damaged if left at this temperature.)

* NOTE: Meat probe icon will flash while in setting mode.

5. Once set temperature is reached, alarm will sound. Press any button to clear.

Viewing Information on Display:

- Turning the knob will advance the display through grill temperature, timer and meat probes; MP1, MP2, MP3 and MP4.

BLUETOOTH + WiFi

Pairing Grill with Smart Device(s):

1. Download the Masterbuilt app from the Apple App Store or Google Play Store onto your smart device(s). For more information go to masterbuilt.com/pages/app-device-requirements.
2. Once the download is complete, open the Masterbuilt app and follow the instructions for pairing your Bluetooth + WiFi grill and smart device(s).

BLUETOOTH

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2. Once the download is complete, open the Masterbuilt app and follow the instruction for pairing your Bluetooth grill and smart device(s).

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

FCC Warning

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

FCC Statement

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:

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

Note: If you lose connection, smoker will continue as programmed. Smoker can be operated from the control panel if pairing or connection fails.

Troubleshooting

SYMPTOM	CAUSE	POSSIBLE SOLUTION
Controller not ON.	Power not ON.	Press the power button on the controller.
	Not plugged in.	Plug controller into power supply and power supply into wall outlet.
	Circuit breaker tripped.	Check wall outlet circuit breaker and reset if tripped.
	Controller malfunction.	Masterbuilt Customer Service https://www.masterbuilt.com/pages/support
Fan not ON.	Temperature in cabinet has reached the set temperature.	Once the set temperature is reached the fan will turn off. Once the temperature falls below the set temperature the fan will restart. The fan will continue adjusting itself automatically to maintain the set temperature.
	Hopper lid open.	For safety, the hopper is equipped with shut-off switches to prevent the fan from stoking the fire when these doors are open. Closing the doors will engage the switches, allowing the fan to continue normal operation.
	Ash door open.	
	Fan disconnected from controller.	Check that connection is fully seated.
	Fan disconnected from wiring harness.	
	Clean Switches	Press the lid / door switch down rapidly 10x to ensure the contact points are clean and not sticking. Quickly pressing and releasing the switch will help clean the contact points.
	Err 3	See below.
Controller temperature inaccurate.	Temperature probe not fully plugged in.	Check that connection is fully seated.
	Temperature probe is dirty.	Carefully clean temperature probe.
Slow heating.	Shutdown slides not removed.	Remove shutdown slides.
	Low charcoal.	Refill hopper with charcoal.
	Grill lid open.	Close grill lid.
	Fan not on.	See "Fan not ON."
Excessive smoke leaking from hopper.	Loose seal at hopper lid.	Tighten hopper lid latch.
	Loose seal at ash door.	Tighten ash door latch.
	Loose seal between top and middle hopper sections.	After hopper is cold, remove heat shield and tighten screws between top and middle hopper sections.
Err 1	Temperature probe not fully plugged in.	1. Check that connection is fully seated. 2. Unplug controller from power supply, wait 10 seconds and reconnect.
Err 2	Meat probe malfunction.	Masterbuilt Customer Service https://www.masterbuilt.com/pages/support
Err 3	Grill overheated.	1. Turn off grill. 2. Check for cause of overheat. • Grease fire. • Fan malfunction. 3. Restart grill.
Err 4	Charcoal failed to ignite.	1. Ensure shutdown slides are removed. 2. Ensure hopper lid and ash door are fully closed. 3. Ensure charcoal is not empty. 4. Ensure old ash from previous use has not blocked up the ash grate. Shake grate to allow all the old charcoal to fall thru it. 5. Restart grill.
Err 5	Meat Probe Temp above 300°F.	1. Using protective gloves, remove meat probe from grill. 2. Unplug from controller. 3. Allow meat probe to cool.
Poor Wifi connection	Weak signal.	1. Angle the antenna on back of controller to point at the ground