

P9 CONTROLLER TEMP-CONTROL PROGRAM SETTING STEPS MANUAL

P9 Controller is the replacement control board for Pit Boss Mahogany 440, Sportsman 500, Navigator 550, 700FB1, Sportsman 820, 820FB1, PB820XL, Mahogany Series 1000, Mahogany Series 1000SC2, Navigator 1150 Wood Pellet Grill. Models Number: PB440D2, PB500SP, PB550G, PB700FB1, PB820FB1, PB820SP, PB820XL, PB850G, PB1000D3, PB1000SC2, PB1150G, PB820PS1, PB1100PS1. This controller has 3 fully PID programs which is showed as A45/A70/A99.

Panel Keys Illustration



1. "P" SET Button
2. Power Button
3. Rotary Knob

Setting Steps

1. Press and hold the "P" SET Button when it is not energized (**UNPLUG**);
2. Energize the unit (**PLUG THE UNIT**);
3. Release the "P" SET Button;
4. Press the Power Button to enter the Program Code Setting Mode;
5. Select a program code for your pellet grill:
 - a) Rotate the Knob onto SMOKE: Display shows the default program P-A70, this for all models;
 - b) Rotate the knob onto 200°, display shows "C-A45" ; this works on **PB440D2 and PB550G**.
 - c) Rotate the knob onto 225°, display shows "C-A70" ; this works on **PB820 and PB850G**.
 - d) Rotate the knob onto 250°, display shows "C-A99" ; this works on **Pro 1100 and PB1150G**.
 - e) Rotate the knob onto other degrees, display shows "---", indicating that it cannot be selected ;
6. After selecting the right program code for your pellet grill, press "P" SET button to confirm, the corresponding version will be showed as "P-A45, P- A70, P- A99" , indicating that the setting is done.
7. Disconnect the power source to exit the Program Setting Mode;
8. Energize the unit, the grill can be normally used;
9. **Don' t worried about the Fan' s pausing when the grill' s temperature is hitting the set target, it is what the truly PID try to reduce the air flow to maintain the temperature. And, yes, it will not only cause the flame out but also give your grill' s champ a much more even temperature distribution.**

TROUBLESHOOTING

Problem	Cause	Solution
No Power Lights On The Control Board	Power Button	Press the Power Button. Try another attempt and hold for two seconds to verify connection.
	Not Connected To Power Source, GFCI Outlet Has Tripped	Ensure smoker is plugged into a working power source. Reset breaker. Ensure GFCI is a minimum 10 Amp service. Ensure all wire connections are firmly connected and dry.
	Fuse Blown On The Control Board	Remove cooking components from the main smoke cabinet. Turn the unit onto its side, and remove the screws on the rear side of the Control Board.

		Check the fuse for a broken wire or if the transparent fuse tubing has turned black. If yes, manually replace with a new fuse.
	Faulty Control Board	Control Board needs to be replaced.

Fire In Burn Pot Will Not Light	Auger Not Primed	Before the unit is used for the first time or anytime the hopper is completely emptied out, the auger must be primed to allow pellets to fill the burn pot. If not primed, the igniter will timeout before the pellets ignite. Follow Hopper Priming Procedure.
	Auger Motor Is Jammed	Remove cooking components from the main smoke cabinet. Press the Power Button to turn the unit on, turn Temperature Control Dial to SMOKE, and inspect the auger feed system. Visually confirm that the auger is dropping pellets into the burn pot. If not operating properly, call Customer Service for assistance or a replacement part.
	Igniter Failure	Remove cooking components from the main smoke cabinet. Press the Power Button to turn the unit on, turn Temperature Control Dial to SMOKE, and inspect the igniter. Visually confirm that the igniter is working by placing your hand above the burn pot and feeling for heat. Visually confirm that the igniter is protruding approximately 13mm / 0.5 inches in the burn pot.
Flashing Dots On LED Screen	The Igniter Is On	This is not an error that effects the unit. Used to show that the unit has power and is in Start-Up mode (igniter is on). The igniter will turn off after five minutes. Once the flashing dots disappear, the unit will begin to adjust to the desired temperature selected.
Flashing Temperature On LED Screen	Smoker Temperature Is Below 65°C /150°F	This is not an error that effects the unit; however, it is used to show that there is some risk that the fire could go out
"ErH" Error Code	The Smoker Has Overheated, Possibly Due To Grease Fire Or Excess Fuel.	Press and hold the Power Button to turn the unit off. Once cooled, press the Power Button to turn the unit on, then select desired temperature. If error code still displayed, contact Customer Service
"Err" Error Code	Temperature Probe Wire Not Making Connection	Access the electrical components on the base of the unit and check for any damage to the Temperature Probe wires. Ensure Temperature Probe spade connectors are firmly connected, and connected correctly, to the Control Board.
"ErL" Error Code	Ignition failure	The pellets in hopper is insufficient,or the igniting rod is abnormal.
"noP" Error Code	Bad Connection At Connection Port	Disconnect meat probe from connection port on the Control Board, and reconnect. Ensure the meat probe adapter is firmly connected. Check for signs of damage to the adapter end. If still failed, call Customer Service for replacement part.
	Meat Probe Damaged	Check for signs of damage to the wires of the meat probe. If damaged, call Customer Service for replacement part.
	Faulty Control Board	Control Board needs to be replaced. Contact Customer Service for a replacement part.
Thermometer Shows Temperature When Unit Off	Smoker Has High Ambient Temperature Or Is In Direct Sun	This will not harm the smoker. The internal temperature of the main cabinet has ambiently reached or exceeded 54°C / 130°F. Move the smoker into a shaded area. Prop the cabinet door open to reduce the internal temperature.

Smoker Will Not Achieve Or Maintain Stable Temperature	Insufficient Air Flow Through Burn Pot	Check burn pot for ash build-up or obstructions. Check fan. Ensure it is working properly and air intake is not blocked. Follow Care and Maintenance instructions if dirty. Check auger motor to confirm operation, and ensure there is no blockage in the auger tube. Once all the above steps have been done, start the smoker, set temperature to SMOKE and wait for 10 minutes. Check that the flame produced is bright and vibrant.
	Lack Of Fuel, Poor Fuel Quality, Obstruction In Feed System	Check hopper to check that fuel level is sufficient, and replenish if low. Should the quality of wood pellets be poor, or the length of the pellets too long, this may cause an obstruction in the feed system. Remove pellets and follow Care and Maintenance instructions.
	Temperature Probe	Check status of temperature probe. Follow Care and Maintenance instructions if dirty. Contact Customer Service for a replacement part if damaged.
Smoker Produces Excess Or Discolored Smoke	Grease Build-Up	Follow Care and Maintenance instructions.
	Wood Pellet Quality	Remove moist wood pellets from hopper. Follow Care and Maintenance instructions to clean out. Replace with dry wood pellets
	Burn Pot Is Blocked	Clear burn pot of moist wood pellets. Follow Hopper Priming Procedure.
	Insufficient Air Intake For Fan	Check fan. Ensure it is working properly and air intake is not blocked. Follow Care and Maintenance instructions if dirty.