



MAK Grills Mobile™ Operating Instructions

Note: Your Pellet Boss® firmware must be version 2.3 or higher to use the MAK Grills Mobile™ Wi-Fi module. If it is not, please follow the update instructions before proceeding!

The Wi-Fi Module accepts the following wireless security modes:

- 1) Open (no Security)
- 2) WEP-128 “Open” not “Shared” Authentication (WEP Key will be 26 characters long)
- 3) WPA1 Personal (TKIP Security Only)
- 4) WPA2 Personal (AES Security Only)

These items should be included in your packaging: (1) Wi-Fi Module, (1) Mounting Lug & (1) Antenna, installation instructions.

These steps will only need to be done one time: Installing the Wi-Fi Plug Module, setting up the SSID, Passphrase/WEP Key, making the MAK Grill Wi-Fi ready.

- 1) Make sure the MAK Grill is turned off and is cold.
- 2) **Unplug the Grill from the electrical outlet.**
- 3) Remove the access panel/hopper lid (not the Pellet Boss) using your 5/32 hex wrench.
Note: On 1 Star grills, only remove the fan panel.
- 4) Locate the area shown on the top back of the Pellet Boss control board and plug in the Wi-Fi Plug Module. **Note:** The Wi-Fi Plug Module can only be inserted in one direction with the antenna wire located on the top.
- 5) Unscrew the Antenna from the Mounting Lug, and set antenna aside.
- 6) Remove the plastic cover and locking nut from the Mounting Lug and insert the lug through the grill antenna hole (the antenna hole is next to the power cord and could have a plastic plug in it). Thread the nut and lock washer back onto the lug from underneath the barbecue securing snugly with a 5/16” wrench. Do Not Over Tighten the Antenna Lug.
Note: For 2Star Grills with serial numbers below 320, you will have to drill a (1/4) quarter inch hole through the bottom of the barbecue body next to the power cord.
- 7) Attach the Antenna to the Lug securing snugly by hand. The end of the antenna should be pointed towards where your router is located.
- 8) Re-attach the access panel/hopper lid. Plug the grill into the electrical outlet & turn the Pellet Boss ON.
- 9) Use the Left or Right Arrow buttons until you reach the Grill ID screen. Press the Star Button twice and enter your **Network Name** (SSID) from your wireless router exactly as shown (including any upper or lower case numbers and symbols). Use the up and down arrow buttons to scroll. Be sure to leave all spaces after the **Network Name** (SSID) blank. When done, press the Star Button or Set to accept. **(Note: The Network Name (SSID) and Passphrase/WEP Key may be on a sticker on the back of your router or in your router manual/paperwork unless you have manually changed it).**
- 10) After setting the **Network Name** (SSID) press the Left or Right Arrow button to get to the **Passphrase or WEP Key** screen. Use the instructions above to enter your **Passphrase or WEP**

Key, press the Star Button or Select to accept. **Note: you will only need to enter your Passphrase or WEP Key (not both) depending on your security settings from the router.**

Follow these steps every time you use your Wi-Fi before logging into MAK Grills Mobile™

- 1) Turn on the Pellet Boss to start your MAK Grill (do not change the set point).
- 2) Scroll to the WEB CTRL screen using the arrow buttons, press “Set” or Star Button to change Wi-Fi from “OFF” to “ON”, press “Set” or Star Button again to accept.
- 3) The Wi-Fi should connect within 30 seconds. If there is an error it will display it on the screen.
- 4) Now you should be ready to control your MAK Grill via the makgrillsmobile.com web page. See instructions below.

Using MAK Grills Mobile™

Locate the MAK Grills Mobile™ Website at: www.makgrillsmobile.com

Home Page / Login:

If this is your first time using MAK Grills Mobile™, you will need to complete the account sign-up process in order to begin using the features of this program. To begin, click the SIGN UP button. Complete the registration form and click NEXT to register.

Log In (already created an account)

Type in User Name

Type in Password

(For convenience, click the “Remember Me” box, which will automatically allow you to skip the log-in page and proceed directly to the Grill Control Page.)

Registering your MAK Grill:

At Grill:

★ Before starting this process, you MUST first set-up the Pellet Boss Controller to operate with the WI-FI module. *Follow the installation instructions above to complete this process.*

★ Turn grill on

★ Arrow to Web Control screen, press the Star Button or Set, the word OFF will flash. Use the arrows to select ON, push the Star or Set Button to accept the change. Wait 30 seconds to make sure the web control stays “on”, if there is a problem it will change to an error message.

★ Arrow to the Grill ID screen and write down the Grill ID number. **The grill ID will always start with 2s. (The number two, then the letter “s”).**

On Website:

★ Enter your Grill ID # (displayed on your Pellet Boss screen) then press NEXT.

★ The program will then attempt to connect to your grill.

★ If the connection succeeds, you will need to enter a name for the grill being registered. Once you have done this, click FINISH.

★ If connection fails, you will receive a prompt to check your Grill ID information. Make sure it is accurately entered so that the program can make a secure connection to the grill.

Once you have logged-in and registered your grill, you will have access to the following MAK Grills Mobile™ Pages.

★ **Profile**---allows you to change your password or update your profile information including adding email or text notifications to your account.

★ **Grill Control**---lists all the MAK Grills you have registered and can be operated using MAK Grills Mobile™.

★ **Cooking Programs**---lists the customized cooking programs you have added and allows you to edit, run, or delete them.

★ **Cooking Graphs**---Shows the history of your cooks in a graph. Set point and meat probes are tracked over time and displayed. You can save them for future viewing of past cooks and attach them to your recipes.

Grill Control

Lists all the MAK Grills you have registered and are able to be operated using MAK Grills Mobile™.

Click the RUNNING button next to the name of the grill you will be operating with MAK Grills Mobile™ and it will open the **Grill Operation page**. This page displays the current operational status of the grill as well as all of the timers, connection info, grill power, meat probes, cooking graphs etc. From here you will have complete control of your MAK Grill!

Status Display:

★ On the left side, you will see which cook mode is being used (Smoke, Standard, Grilling) (On the MAK 4 Star—there is also a Zone Control cook mode).

★ The actual grill temperature is displayed on the right side.

Set Point:

★ This area displays the Set Point Temperature you want the grill to operate at.

★ To change, click on the middle of the Set Point box. Using the slider bar set the temperature you want the grill to operate at.

★ Click **OK** to accept, cancel, or the “X” on the upper right hand corner of the dialog box to exit.

Countdown Timer: Use this when you are cooking food by time, like a pizza for 15 minutes.

★ Click on the Timer numerals, this will open the Enter Time dialog box. You may enter Hours, Minutes and Seconds into the box.

★ To jump from hours to minutes hit your Tab Key once or mouse click on the box or touch the screen (depending on the device).

★ When you have completed entering the time, click **OK** to close the dialog box.

★ Start, pause, restart or reset by click on corresponding buttons to the left of the timer.

★ Once the timer reaches 00:00:00, the box will flash red to alert you, and depending on the device you are using, sound an audible alarm. You may also set-up email or text alerts (*see Profile*).

Elapsed Timer:

Use this function to keep track of how long meat has been cooking on your MAK Grill.

★ Start, pause, restart or reset by click on corresponding buttons to the left of the timer.

Meat Probes:

★ To enable this function, you will need to plug a Meat Probe into your Pellet Boss Controller. The website will then recognize the probe(s).

★ To set a probe target temperature, click on the number box of the probe (1, 2 or 3). This will open the dialog box for that particular probe.

★ For Type of Food/Meat, choose from the drop down menu. Or, click on **Edit Types to** enter the name of the meat or food into the selection box.

★ Enter the internal temperature you want to cook to using the slider bar.

★ When finished entering your information, click OK.

NOTE: To set the “Alert” function, select YES in the Active menu. When completed, there will be a clock icon-indicating ALERT ON, along with the name of the food/meat and the internal temperature set for that particular meat probe. When the probe reaches the programmed temperature, the probe number will flash RED. You may also set-up your profile to send an email and/or text alert. To clear the Alert, click or touch the flashing box and select “No” or change to a new alert temp.

Cooking Programs

This page lists each of the Cooking Programs you have set up, and the grill they are associated with, (1E: 1 Star, 2 Star, 4 Star). Cooking programs create operating instructions for the grill to follow, based on either time or meat probe temperature. You must have at least one step for the program to be operational. You may add as many steps as you want to each Cooking Program.

Setting Up Cooking Programs:

★ Click on “Add a Program” to start.

★ Select the grill you want the program to be associated with from the drop down menu.

★ Create a name for the program.

★ You may enter a description of the program, special notes, etc. in the box provided, or click **Next** to proceed.

★ Enter the initial (starting) temperature you want the grill operating at.

★ The initial set-up is now complete, click **Finish** to proceed.

After creating a cooking program the details page will open and show:

★ The name and description of the program.

★ Which grill the program is associated with.

★ Edit and Start Button.

Editing your Cooking Program:

Clicking the **Edit button** next to the program name allows you to:

★ Rename the program.

★ Change which grill the program will operate.

★ Add or delete program description details.

★ Delete the entire program.

★ Add, Edit or Delete the step details.

Adding a New Step:

★ Click “Add a New Step”

★ Select either Temperature Probe or Time from the drop down menu then click **Next**.

★ If **TIME** is selected, on the next page, enter the Hours, Minutes and Seconds you want the step to end at then click **Next**.

★ If **PROBE Temperature** is selected, on the next page enter the probe number then the degrees of the selected probe you want to end the step at then click **Next**.

★ Enter the temperature you want the grill to switch to after it reaches the length of time or the meat temperature you have entered then click **Finish**. **Note: For the SMOKE setting check the Smoke Box, for the HIGH setting Check the High box.**

Example: for step 1, I want to have the grill change to smoke after meat probe 2 reaches 150 degrees. Enter 150 degrees for meat probe 2 and check the smoke box for the grill temperature.

Notes for the Pellet Boss operation of the Grill in Wi-Fi mode:

★ The Pellet boss is secondary to MAK Grills Mobile™ when using Wi-Fi/Web Control. Therefore not all the screens will be present or active on the controller during Wi-Fi/Web Control operation.

★ Alarms, timers, notifications etc. in MAK Grills Mobile™ will not appear or sound on the Pellet Boss controller at the grill.

★ There are no user program screens or timers available on the controller while it is in Wi-Fi mode.

★ The meat probe screens will display and you can set alarms at the controller but they will not have any effect on MAK Grills Mobile™ alarms or the other way around.

★ **If you change Set Point temperature on the Pellet Boss it will disconnect the Wi-Fi/Web Control.**

★ If you want to reconnect to MAK Grills Mobile™ simply arrow to the web control screen and select "ON", then push the Star Button to accept.

Wireless Routers We Know That Will Work With MAK Grills Mobile™

Actiontec GT784WN-01

Apple Airport Express

Apple Airport Extreme Base Station

Asis RT-AC660

AT&T Universe 2Wire

Cisco EA2700

Cisco EA3500

D-Link DIR-655

Linksys E2000

Linksys X2000

Motorola SURFboard

SBG6580

NetGear R6200

NetGear SRXN3205

NetGear WGR614

NetGear WNDR4000

NOTE: MAK Grills offers limited technical support covering the installation and router operation of MAK Grills Mobile™. We will provide operational help for use of the program. If you have any questions, you may call us at (503) 623-1234 or email: support@makgrills.com