Introduction
Congratulations on your purchase of the ET/734 BIG GREEN EGG BARBECUE Thermometer, a
programmable radio frequency food thermometer. You will now be able to remotely monitor the
temperature of grilling food and the temperature inside your grill from anywhere in your home.

Components
1. Receiver unit
2. Transmitter unit
3. Detachable stainless steel probes to be used for both Food and BBQ
4. Probe clips
5. AAA batteries.

Transmitter Features
- LCD (Liquid Crystal Display) – Displays temperature of both probe 1 and probe 2. It will
  automatically switch between probe 1 and probe 2 displays.
  (Note: Press the re-sync button (2) to switch the display between °C and °F.)
- WIRE STAND – Allows you to stand the receiver on tabletop or it can be reversed and used as
  a hanger.
- BATTERY COMPARTMENT – Holds 2 AAA batteries.
- 1 – Plug-in for stainless steel probe.
- 2 – Plug-in for stainless steel probe.

Buttons
1. Re-sync (2) – Transmit manually, terminates the auto registration process. Press and hold for 2
   seconds to register the radio frequency with the receiver.
2. Power (1) – Press and hold for 2 seconds to turn ON/OFF the transmitter.

Installing batteries
Open the battery compartment of the receiver and insert two "AAA" batteries with correct polarity.
Open the battery compartment of the transmitter by removing the two small screws and insert two
"AAA" batteries with correct polarity.

Registering Receiver & Transmitter
The Barbecue Thermometer needs the receiver to register and lock in the radio frequency signal
from the transmitter, every time the device is turned on. Proceed as follows to register,
1. Plug the stainless steel probe sensors into the corresponding plug in of the transmitter.
   Note: The probes are identical and can be used for either meat or barbecue.
2. Turn on the receiver by pressing the power button (1) for 2 seconds.
3. Turn on the transmitter by pressing the power button (2) for 5-10 seconds and then
   press the re-sync button (2) to lock in the code. The LCD will lighting up briefly, press the power
   button (2) for 2 seconds to turn OFF the Transmitter and then turn back ON. Pressing and holding the RE-SYNC
   button (2) for 2 seconds will get you the same result turning the transmitter OFF and then ON.
4. Registration is completed when the unit beeps and the probe temperatures will appear on
   LCD.

Loss link alert
If the receiver is taken out of range or there is abnormal external interference or after shutting OFF
the transmitter, the receiver may not be able to receive the transmission from the transmitter. If this
happens over 4 minutes, the unit will alert you by beeping once for every 4 seconds to tell you to
re-synch the signal. Pressing the button on the receiver will get the lost link back.
To regain transmission signal, move the receiver close to the transmitter, turn OFF the Receiver
and then turn back ON. Press and hold the RE-SYNC button (2) of the transmitter 2 seconds within
120 seconds and the temperatures should appear on the receiver display.

Remarks:
- According to FCC Part 15.213 (a) rule, the RE-SYNC button can be activated once every 12
  seconds manually, if the re-synchronization doesn’t succeed 1st time, wait for 12 seconds before
  pressing & hold the RE-SYNC button (2) again. Or you can press and hold the power button (2)
  2 seconds to turn OFF the Transmitter and then turn back ON again, it will produce the same result.
- You can monitor 2 things at once and you select what you monitor. 1 Food and 1 Barbecue or
  2 Foods or 2 Barbecues.

Food or Barbecue Mode selection
Press and hold the SET button for 2 seconds. The Probe # 1 will flash in the upper left hand corner.
Either (1) or (2), while the probe # is flashing press either the Hi or LO button to switch between
probe 1 or probe 2. Press SET button to select a probe.

The receiver LCD is separated into 3 fields.
The Upper field displays the Probe # 1 or 2, the Mode BARBECUE or FOOD and if in the FOOD
mode the MEAT and TASTE.
The Middle field displays the SET temperature and the actual temperature for Probe 1.
The Bottom field displays the SET temperature and the actual temperature for Probe 2.

Once a probe is selected either FOOD or BARBECUE will flash. Press MODE button to switch
between FOOD or BARBECUE.

If FOOD is selected a Meat (Example: BEEF) will appear in the upper LCD field and a Hi SET
temperature will appear in the middle field if Probe 1 or in the bottom field if Probe 2. If
BARBECUE is selected the upper LCD field will be empty. Hi SET and LO SET temperatures will
appear in the middle field if probe 1 or in the bottom field if probe 2.
Press SET button to set the mode or don’t press anything and in a few seconds the unit will set it.

Food selection
If you pressed SET in FOOD mode then the Meat will flash in the upper LCD field.
From this point you can select a MEAT, select a TASTE (doneness) and you can modify the TASTE
set temperature to your own personal settings.
Press MEAT button and you will scroll through the 15 pre-programmed meats BEEF, VEAL, LAMB,
PORK, CHICKEN, TURKEY, DEER, ELK, MOOSE, BUFFALO, RABBIT, BOAR, DUCK, BIRD AND FISH.
While the meat is flashing press TASTE to select a USDA doneness level (SET Temperature).
Barbecue selection

If you pressed SET in BARBECUE mode then the HI SET temperature will flash in the corresponding probe field. Press HI to raise it or LO to lower it. The range for the HI temperature is 140 °F – 572 °F. Default temperature from the factory is 250 °F.

Press SET to set the HI SET temperature. The LO SET temperature will flash. Press HI to raise it or LO to lower it. The range for the LO SET temperature is 32 °F – 264 °F. Default temperature from the factory is 200 °F.

Pressing SET button at any point will set the current settings. Not pressing any buttons for a few seconds will also do the same.

Note: The unit will not allow you to set the maximum BARBECUE temperature below the minimum BARBECUE temperature. It will automatically change the LO temp to 2 degrees below the HI.

Activating the temperature alarm

You can press the ALERT, °C /°F button to activate the temperature alarm for both probe 1 and 2. The alarm icons will appear above the actual temperature.

The receiver will beep with the alarm icon and probe temperature flashing if:

a) The actual FOOD temperature has exceeded your set maximum FOOD temperature. (The alert beeps 3 times every second if the temperature is within 6 °C or 10 °F of the set temperature and beeps 4 times every second once the set temperature is reached)

b) The actual BARBECUE temperature has exceeded your set maximum BARBECUE temperature. (Beeps twice in every second)

c) The actual BARBECUE temperature has fallen below your set minimum BARBECUE temperature. (Beeps once in every second)

Note: If you press the ALERT, °C /°F button and the actual probe temperature is above the FOOD set temperature or out of range of your BARBECUE set temperature then the Alert Icon and the actual probe temperature will flash immediately indicating the issue.

Note: the minimum BARBECUE temperature alarm will not be activated until the actual BARBECUE temperature goes above the set minimum temperature.

For example: You set the minimum BARBECUE temperature as 220 °F and press the ALERT, °C /°F button to activate the alarm, the unit will not beep or flash even if the actual BARBECUE temperature is below 220 °F, if it assumes that your BARBECUE is not up to temperature. Only when the actual BARBECUE temperature goes over 220 °F, then falls below 220 °F, can the alarm be activated, the unit will beep and flash.

Note: The unit will retain your BARBECUE & Food alert temperature settings even after the unit is turned off.

Procedure for typical use in an outdoor barbecue

Monitor 1 FOOD and 1 BARBECUE

The following typical examples will go through the steps to have the ET-734 BIG GREEN EGG BARBECUE alarm go if a piece of meat BEEF is cooked to 173 °F. If your barbecue temperature falls below 225 °F or goes above 275 °F.

Setup barbecue

1. Follow the registration procedure.
2. Place BEEF on the barbecue grill rack.
3. Heat probe 1 into the center of the thickest portion of the meat. Avoid touching bone or heavy fat areas.
4. Place probe 2 to grill rack of barbecue grill rack.
5. Position the probe sensor wires so they will not come into contact with flames and exit the barbecue without being pinched/ crushed by the cover.
6. Stand/hang the transmitter away from heat source of barbecue. DO NOT put transmitter on closed cover or under the cover. The transmitter is water proof for use in rain.

Probe 1: FOOD, BEEF, WELL DONE, SET TEMPERATURE 173 °F

1. Press and hold SET button for 2 seconds.
2. Press HI or LO button to switch flashing probe in upper left hand corner to (1).
3. Quickly press SET.
4. Press MORE button so BEEF is displayed.
5. Quickly press SET.
6. Press HI or LO button until 173 °F is displayed.
7. Quickly press SET.
8. Press HI button until 173 °F is displayed.

Probe 2: BARBECUE, 225 °F LO Set, 275 °F HI Set

1. Press and hold SET button for 2 seconds.
2. Press HI or LO button to switch flashing probe in upper left hand corner to (2).
3. Quickly press SET.