Simple Wireless BBQ Thermometer

NU-701 & NU-751

Users Guide - Simple Two Step Setup

Simple Setup Instructions - Remote Sensor:

1. Remove the stand clip from the four corners on back of unit.
2. Insert 3 AAA Alkaline or Lithium batteries in Remote Sensor by removing the four screws on back of unit (the stand clip must also be removed).
3. LCD display will show all segments for 3 seconds.
4. Attach sensor if required for application.
5. Sensor will automatically link to Main Station when Main Station is activated.
6. Press the C/F button to toggle between Celsius and Fahrenheit.

Specifications:

Main Station Temperature Range -40F to 392F (-40Cto200C)
LLL Indicates reading less than -40F (-40C)
HHH indicates reading more than 392F (200C)
Display resolution 1 degree C/F

Main Station Indoor Temperature
Temperature sampling occurs every 3 seconds.
Temperature range 32F to 122F (0C - 122C)
LLL indicates reading less than 32F (0C)
HHH indicates reading higher than 122F (50C)

Battery Life – approximately 6 months depending on use (Alkaline only). Low Battery Indicators - if Remote Sensor batteries (left side) or Main Station batteries (right side) are low an icon will be present on Main Station.

Caution: *Do not mix Alkaline batteries with Cadmium or Lithium batteries.*

Note: The temperature displayed is taken from the interior sensor unless the Probe is used. When the Probe is used, the temperature displayed is from the Probe itself.

Remote Sensor – Simple Setup Instructions - Main Station:

1. Insert two AAA Alkaline or two Lithium batteries into the battery compartments.
2. LCD display will show all segments for 3 seconds, then beeps and goes into to receiving mode for 1 minute.
3. Main Station automatically links Remote Sensor. Write the Sensor number on back of Remote Sensor to indicate which channel is being used for a particular Sensor**.**

Operating Instructions - Main Station:

1. Normal Operation - The Main Station automatically links up to three Remote Sensors. If more than one Sensor is being used the next higher channel is automatically selected. If all three channels are in use, the Main Station will automatically replace Channel 1.
2. C/F Button - on back of unit is used to toggle between Celsius and Fahrenheit.
3. Hi/Low Button - pressing the Hi/Low button on back will toggle between higher than and lower than temperature set points. This is indicated by arrows on the LCD screen.
4. Channel Button - on back will change channel display when multiple Sensors are used. A Channel Auto Scroll feature is enabled by holding the Channel button down for 2 seconds. The Remote Temperature display will then display each Remote Sensor for 2 seconds.
5. Hi/Low Button & Channel Button - when pressed together it allows toggling between Indoor Temperature display and Alarm Set Temperature display.
6. Set Button - on front is used to set Remote Temperature alarms. Depressing the Alarm Set Temperature button will allow a toggle between channels when multiple Sensors are in use.
7. Up Arrow - pressing the Up Arrow on front is used in Alarm Set mode and increases the Set temperature 1 degree. Holding down the Up Arrow will make the Set point increase at 10 degrees per second.
8. Alarm Set Point Reached - when more than one remote Alarm Set point is reached the left side of the display will be overwritten with the temperature of the specific Remote Temperature that has reached its Set point.
9. Alarm - the alarm sounds when the Set Temperature is reached until:
A. Any front key is pressed (Set or Up Arrow buttons).
B. The alarm times out after 1 minute.
10. Setting the Alarm – when batteries are first installed in the Main Station, it will start out in Alarm Set mode. To exit this mode, press and hold the CHANNEL and HI/LOW button on the back at the same time until the word “IN” appears between the two temperatures.
A. To enter Alarm Set mode, press and hold the CHANNEL and HI/LOW buttons until “SET” appears and “IN” disappears between the two temperatures on the Main Station display.
B. Press the CHANNEL button on the back of the unit to change between the available channels to set the alarms, for those channels.
C. Press only the HI/LOW button on the back of the unit to switch between the high and low temperature alarm functions. Each Remote Sensor can have either hi or low temperature Alarm Set for it, not both.

D. Press the right side of the bar (below the up arrow) on the front of the Main Station to change the temperature at which the alarm will sound. To get to a lower temperature, it is necessary to scroll up past 392 degrees. The unit will reset to -40 degrees and will then scroll up from there. Press and hold the bar to quickly scroll through the alarm temperatures.

E. To exit from alarm set mode, press and hold both the CHANNEL and HI/LOW buttons until the word "SET" disappears and the word "IN" appears between the two temperatures on the display.

Common Questions:

1. Q. Temperature on Remote Sensor does not match Main Station display -- The temperature only transmits at intervals.
   A. There may be a 30 second lag on transmissions of current temperature. The Remote Sensor only transmits every 30 seconds to extend battery life (see also #5 below).

2. Q. 'HHH' on display
   A. The Probe has exceeded 392 degrees or the Teflon Probe wire has exceeded 600F. This will permanently damage the Probe, which is not covered by the limited warranty.

3. Q. Is there an on/off switch on either unit?
   A. No, the unit is designed to be left on and takes very low amount of current, therefore, extending the life of the batteries compared to most other wireless thermometers.

4. Q. How do I decrease the Set point?
   A. Hold the Advance button down until the display exceeds 392 degrees and restarts to -40 degrees. The unit does not scroll backwards or downwards.

5. Q. No temperature display in Remote Sensor LCD?
   A. Batteries may have been misaligned or put in with the wrong polarity +/-. Make sure battery terminal ends are touching contacts in battery bay, especially on the "+" end of the battery enclosure. If using Duracell batteries, it's important to note that they are shorter than other "AAA" batteries on the positive end. Check to make sure the contact springs are not flattened. With a small screwdriver, they can be pulled out to make better contact for the shorter batteries.

6. Q. What temperature will the Teflon Probe wire withstand before melting?
   A. It is possible to inadvertently let the wire get into direct flame or extremely high temperatures, thus damaging the Teflon wire. The Teflon wire can withstand up to 600F, however direct flame can damage the wire and give you an "HHH" reading on the display. If the Probe wire is stiff rather than flexible or shows visible signs of misuse, it is likely to have been overheated, and not covered under the warranty.

7. Q. How can I protect the Teflon Probe wire from melting?
   A. Loosely wrap the wire in foil, providing an insulation barrier for the Teflon wire. You must keep the Teflon wire out of direct contact with flames, as flames often reach 1200F.

8. Q. There are two Remote Sensor Channels displayed and I only have one. How come?
   A. The Remote Sensor may have lost power, so the Main Station thinks there is another Sensor. The Main Station supports 3 Remote Sensors. This can be corrected by removing the batteries on the Main Station and then it will only link up to existing Sensors.

9. Q. Why can't I submerge the probe in liquid?
   A. Placing the probe in a liquid will damage it. The "Boiling Water Test" can't be relied upon for calibration either, as the temperature at which water boils varies based on altitude. The temperature of 212° is only applicable at sea level, and as little as 500 feet in elevation will impact the boiling point.

Operation and Use:

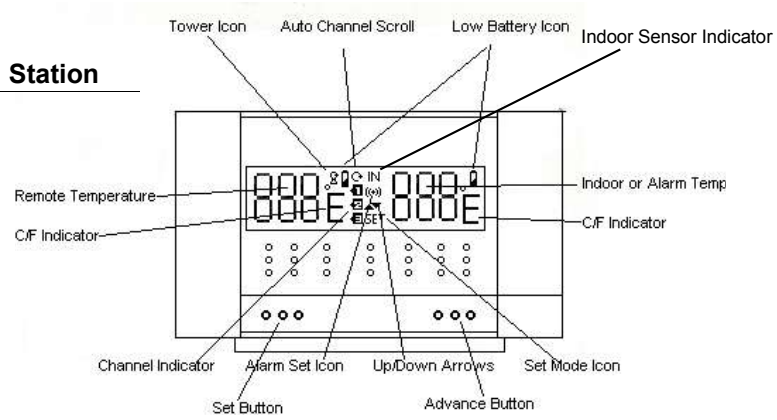
1. Simultaneously press the Hi/Low button and Channel button to switch from Alarm Set Temp display to Indoor Temp display.
2. Make sure the Main Station is linked up to the Remote Sensor, by waiting at least 30 seconds, to make sure it's receiving a signal (refer to Simple 2 Step Setup on first page).
3. Plug in Probe wire jack into Remote Sensor jack, located on the lower, right side.
4. Keep Remote Sensor away from direct heat. Only the Probe and wire are equipped to withstand direct heat (Never submerge the Main Station, Remote Sensor or Probe in water).
5. If the Main Station or the Remote Sensor show "HHH" when the Probe is inserted, then the measured temperature is above 392 degrees. This will damaged the Probe, and any such damage is not covered under your limited warranty.

LIMITED WARRANTY: Ninety (90) days from date-of-purchase under normal use.

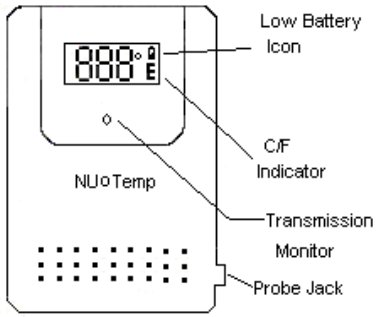
Caution!

1. **DO NOT PLACE PROBE IN WATER OR OIL. HAND WASH, MAKING SURE TO AVOID IMMERSING EITHER PROBE END IN LIQUID.**
2. **DO NOT USE OR EXPOSE THE PROBE AND WIRE TO TEMPERATURES ABOVE 392°F.**
3. **RUN PROBE WIRE TO LEAVE THE SMALLEST AMOUNT OF WIRE INSIDE OF COOKING CHAMBER. DO NOT SUBMERGE WIRE IN WATER, OIL, OR OTHER LIQUIDS FOR ANY REASON.**
4. **HANDLE HOT PROBES WITH HEAT-RESISTANT GLOVES TO AVOID INJURY.**
5. **KEEP OUT OF THE REACH OF CHILDREN.**
6. **DO NOT USE THE PROBE IN A MICROWAVE OVEN.**

Main Station



Remote Sensor



NU·Temp™

A Division of: Pal Products
2500 48th Street South
PO Box 905
Wisconsin Rapids, WI 54494
(715) 421-0445
www.nu-temp.com
information@nu-temp.com