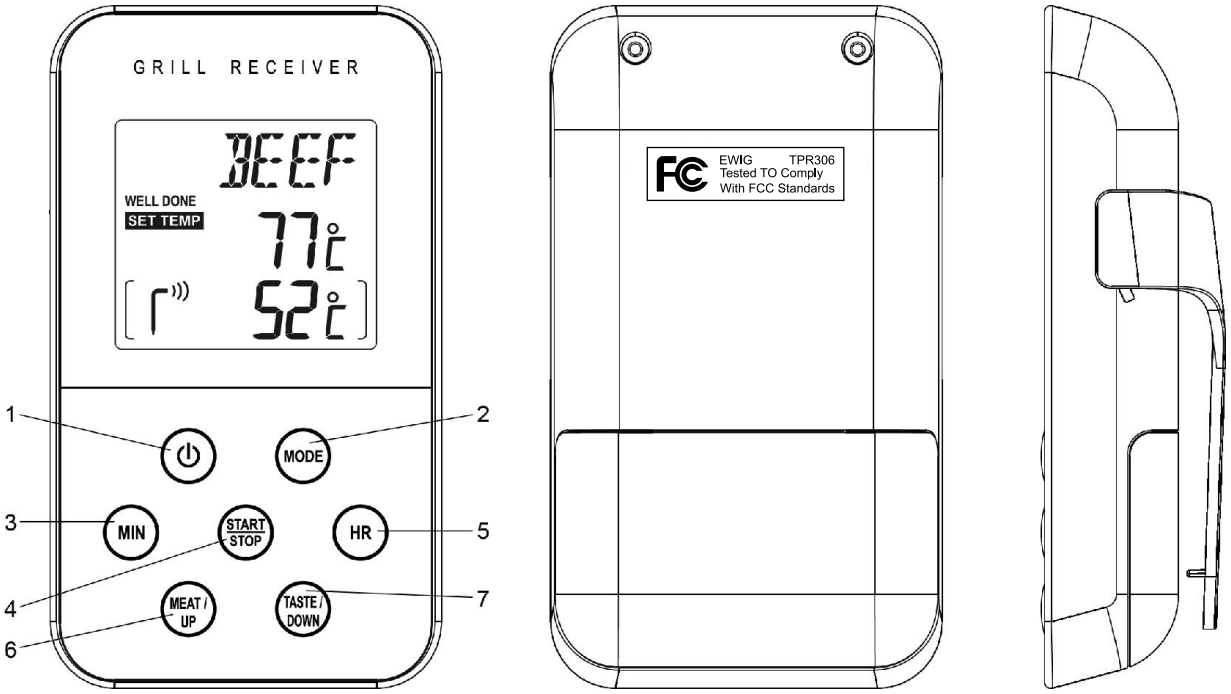
# TPX306/TPR306 INSTRUCTION MANUAL

Congratulations on your purchase of the Wireless Grill thermometer, **TPX306/TPR306**. This unit will allow you to see the temperature of your food cooking in the oven or on the grill from anywhere in your home. The unit allows you to be alerted by telling you when your food is ready by beeping.

## Components

**1. 1**– Receiver unit
**2. 1**– Transmitter unit
**3. 1**– Detachable stainless steel FOOD probe
**4. 1**– AAA batteries.

## Receiver Features

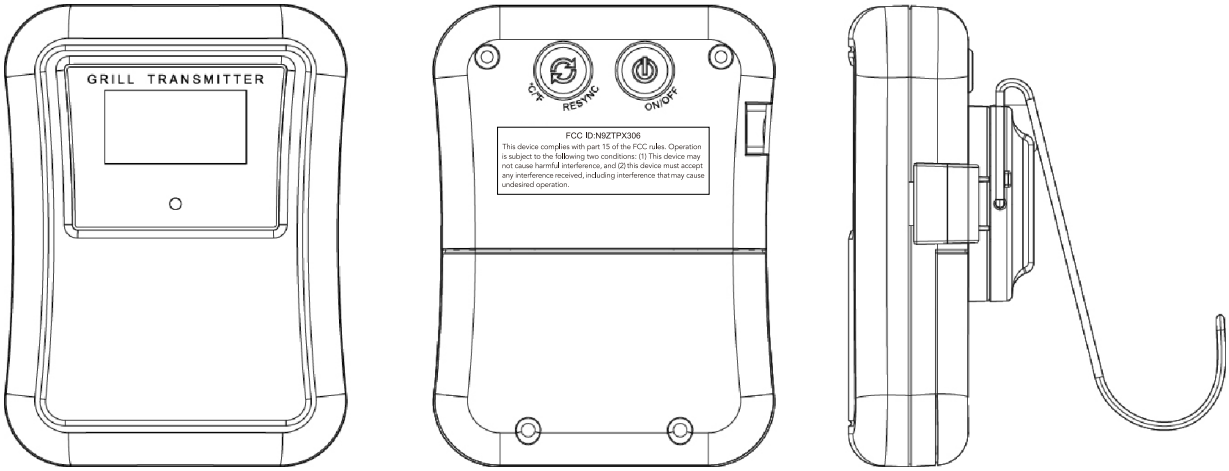



LCD (Liquid Crystal Display) – Displays all icons, temperature and time.
Battery Compartment – Holds AAA x2 batteries.

**Buttons**

1. POWER– Press and hold for 2 seconds to turn the receiver unit ON or OFF.
2. MODE– Press to select THERMOMETER Mode or TIMER Mode.
   In THERMOMETER Mode, press and hold for 2 seconds to enter TEMPERATURE Setting Mode.
3. MIN – In TIMER Mode, when the TIMER is stopped, press once to increase 1 minute. Press and hold 2 seconds to Fast increment. In the THERMOMETER Mode, press and hold for 2 seconds to enter the RF REGISTER Mode, the unit will flash“**---“with** 1Hz on display, press and hold for 2 seconds again to exit this RF REGISTER Mode.
4. START/STOP–When entering the timer mode, when time display is 0:00, press once the timer will start to count up, and the icon “⌃”will blink with 1Hz. If the Timer isn’t 0:00, single press to activate the timer to count down, and the icon “⌄”will blink with 1Hz. During the timer is counting, press once the timer will stop counting temporally. If press again, the timer will continue to counting. Press and hold for 2 seconds to clear Time setting.
5. HR – In TIMER Mode, when the TIMER is stopped, press once to increase 1 hour. Press and hold 2 seconds to Fast decrement. In THERMOMETER Mode, press and hold for 2 seconds to select the temperature unit **ºC/ºF.**
6. MEAT/UP –In the THERMOMETER Mode, single press to select the meat type: Beef → Veal →Lamb → Pork → Chicken → Turkey → Fish →Hamburg →Beef.
7. TASTE/DOWN –In THERMOMETER Mode, single press to select the taste level of the current meat, the taste level may vary according to different meat selected. The corresponding Pre-set Temperature will display. Pre-set Temperature can be adjusted by pressing and hold MODE button for 2 seconds, then press MEAT/UP button to increase Temperature setting or press TASTE/DOWN button to decrease Temperature setting.

## Transmitter Features




## Components:

LCD (Liquid Crystal Display) – displays Food temperature
Wire Stand – Allows you to stand the receiver on table or it can be reversed and used as a hanger.
Battery Compartment – holds AAA x2 batteries.
Stainless steel food probe.

## Buttons

1. Re-sync – Press once to select the temperature unit **ºC/ºF.**

When Receiver unit is in RF REGISTER Mode, press and hold for 2 seconds will send Registration Code to Receiver unit through radio frequency.

2. Power – Press and hold for 2 seconds to turns unit ON/OFF.

## Installing the batteries:

Firstly, open the battery compartment of the receiver and insert two “AAA” batteries with correct polarity. Secondly, open the battery compartment of the transmitter by removing the two small screws and insert two “AAA” batteries with correct polarity.

## Registering Receiver & Transmitter:

You must register the Receiver unit with the Transmitter unit, every time the device is turned ON. Proceed as follows to register.

- **Firstly, turn the Receiver unit ON by holding the power button for 2 seconds until you hear the BEEP sound.**
- Plug in the stainless steel probe into the transmitter unit and turn on the transmitter unit by pressing and holding the button for 2 seconds. This needs to be done within **2 minutes** of turning on the receiver in order for the receiver to receive the Registration Code from the transmitter. If Receiver unit doesn't beep within 5-10 seconds and the "---" shown on LCD still flash, press the Transmitter button 2 seconds to turn OFF the Transmitter and then turn back ON again..

  (Press and hold RESYNC button for 2 seconds will get the same result as turning the transmitter OFF and then ON.).
- If Registration is succeeded, the probe temperature will display on Receiver . and unit will beep once.

NOTE: THE PROBE MUST BE PLUGGED INTO THE TRANSMITTER FOR THE UNIT TO WORK.

**Loss link alert:**

HOW TO KNOW IF THE SIGNAL IS LOST: The receiver unit will normally work within 40 meter (open field) of the transmitter. If the receiver is taken out of range or there is abnormal external interference the receiver may not be able to receive the transmission from the transmitter. Two minutes after this happens the unit will alert you by beeping once for every 4 seconds, meanwhile, the"**---"**will flash on the display to tell you to re-sync the signal. If this happens you need to move the Receiver unit close to the Transmitter and follow the following instructions.

To regain transmission signal, the following measures can be taken.

1. Move the Receiver unit close to the Transmitter to see if the Receiver can re-gain signal. When this measure can not function, either one of following two procedures can be followed.
2. 
   - In THERMOMETER mode, hold the MIN button for 2 seconds until the probe temperature starts to blink with the "--- "showing.
   - Press and hold the RESYNC button on bottom of the Transmitter. This has to be done within 2 minutes.

- If the Receiver is registered successfully; the Receiver will beep once and display the probe temperature. If Registration is not succeeded, after 12 seconds, repeat the above processes again.

3. Or press and hold the power button for 2 seconds to turn OFF the Receiver and then turn back ON with the "--- " flashing on the LCD. Press and hold the RESYNC button of the Transmitter 2 seconds within 2 minutes and the probe temperatures should appear on the Receiver display.

**Remarks:**
The RESYNC button can be activated once every 5 seconds manually. If the re-synchronization doesn't succeed in 1st time, wait for 5 seconds before pressing & hold the RESYNC button again. Or you can press and hold the power button 2 seconds to turn OFF the Transmitter and then turn back ON again. It will produce the same result.

## SETTING THE SELECTED FOOD TEMPERATURE:

The unit is programmed with selected pre-set temperatures for all types of meats. These temperatures are recommended by both major cookbooks and the USDA for food safety.
The chart of the selected temperatures is as follows:

| MEAT | | TASTE | | | |
|---|---|---|---|---|---|
| | | **WELL DONE** (Genomstekt) | **MEDIUM** | **MEDIUM RARE** | **RARE** |
| **Beef** (OXKÖTT/NÖTT/ÄLG) | BEEF | 75ºC | 70ºC | 60ºC | 55ºC |
| **Veal** (KALV) | VEAL | 75ºC | 70ºC | N/A | N/A |
| **Lamb** (LAMM) | LAMB | 75ºC | 70ºC | N/A | N/A |
| **Pork** (GRISKÖTT) | PORK | 77ºC | 71ºC | N/A | N/A |
| **Chicken** (KYCKLING) | CHICK | 80ºC | N/A | N/A | N/A |
| **Turkey** (KALKON) | TURKY | 80ºC | N/A | N/A | N/A |
| **Fish** (FISK) | F ISH | 60ºC | N/A | N/A | N/A |
| **Hamburger** | HAMBG | 75ºC | N/A | N/A | N/A |

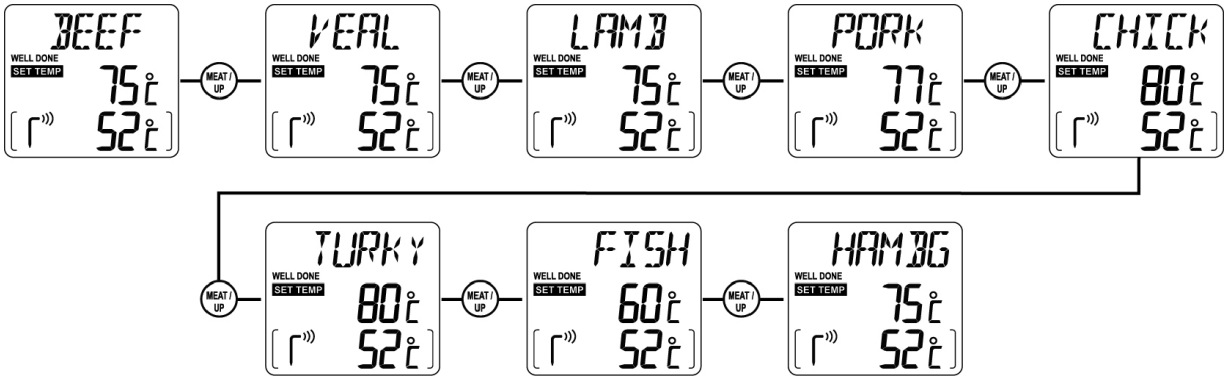
TO SELECT A SPECIFIC TYPE OF MEAT: Press the “MEAT” button and scroll through the selection until the type of meat (BEEF, VEAL, LAMB, PORK,CHICK, TURKEY,FISH,HAMBG) shows on the LCD (display).

TO SELECT YOUR OWN PREFERRED TEMPERATURE: Once you have selected a MEAT selection – for instance BEEF –RARE – you can customize the temperature setting by pressing and hold MODE button for 2 seconds, then press MEAT/UP button to increase temperature setting or press TASTE/DOWN button to decrease temperature setting.

**Temperature Alerts formats**

In the THERMOMETER MODE, when the set temperature is reached, the receiver will alarm you by beeping **3 times** in every second. The probe temperature will blink along with the alarm sound. At the same time the alert icon flash on display. To cancel the alert, press any button on the Receiver unit.

See below examples of what the LCD will look like:




**TIMER-MODE**

Count down

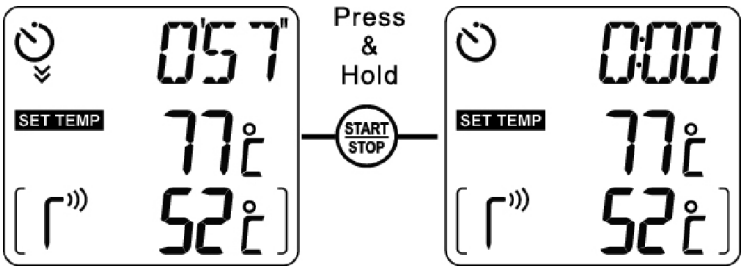
1. Press the MODE button to switch the unit from THERMOMETER MODE to TIMER MODE. The timer 0:00, with a small icon will be shown on the lower part of the display.
2. Press the HR button to set the hour and MIN button to set the minute.
3. Press START/STOP button to start countdown. The icon “” will blink.
4. Press the START/STOP button to stop the countdown. The “” will be solid.
5. Press and hold the START/STOP button 2 seconds to clear the setting back to 0:00.

***Note: The minimum setting for the timer is 1 minute and the maximum setting is 23 hours and 59 minutes. When the countdown reaches "0:00" the timer starts counting up and it will beep for 30 seconds. The "0:00" and "⌃⌄" will blink. Meanwhile, it will beep twice per second. Press the any button to stop the beep.***

Count up

1. Press the MODE button to switch the unit from THERMOMETER MODE to TIMER MODE. The timer 0:00, with a small icon ⏲ will be shown on the lower part of the display.
2. Press the START/STOP button to start count up. The icon "⌃" will blink.
3. Press START/STOP button to stop the count up. The "⌃" will be solid.
4. Press and hold the START/STOP button 2 seconds to clear the setting back to 0:00.

***Note: When the count up timer reaches 24, it will keep displaying as 24, meanwhile, the unit beeps with the "⌃" icon blinking for 30 seconds. Meanwhile, it will beep twice per second***




Count up timer Count down timer

THE TIMER CAN BE USED WHILE THE THERMOMETER IS ALSO IN USE. IT WILL RUN IN THE BACKGROUND AND CAN BE VIEWED BY PRESSING THE MODE TO SWITCH BACK FROM TIMER TO THERMOMETER.

**Helpful Hints**

If the receiver and / or the transmitter display LLL or HHH instead of the probe temperature, wait for probe to reach room temperature. If LLL or HHH is still displayed, it is likely the internal probe wire has shorted out either through moisture or heat damage.

Do not immerse the probe in water while cleaning.

Do not allow the probe or probe wire to come into contact with flames.

If the temperature displayed seems to read too high or the temperature seems to increase too quickly, check to make sure the probe tip is not poking through the food to outside. Reposition the probe tip in the center of the thickest part of food. Avoid touching bone or heavy fat areas.

**Cautions:**
1) Always wear a heat resistant glove to touch the stainless steel probe or wires during or just after cooking. Do not touch with bare hands.
2) Keep the stainless steel probe and wires away from children.
3) Clean the stainless steel probe and dry thoroughly after each and every use.
4) Do not use the receiver in the rain. It is NOT rain proof. The transmitter is rain proof but not water tight. Do not immerse in water.
5) Do not expose the plugs of the stainless steel probe or the plug in holes of the transmitter to water or any liquid. This will result in a bad connecting and faulty readings.
6) Do not expose the Receiver or Transmitter to direct heat or surface.
7) Do not use stainless steel probes in microwave oven.
8) The Food Thermometer measures temperatures as low as 0 ℃ (32 ºF) and as high as 300℃ ºF (572 ºF). LLL will be displayed below 32 ºF and HHH will be displayed above 300 ºC. Do not use the stainless probe sensor above 300 ºC . Doing so will deteriorate the wire.
9) Not Intended for Use by Persons ages 12 and under.

**Cleaning**
1) Always wear a heat resistant glove to touch the stainless steel probe or wires during or just after cooking. Do not touch with bare hands.
2) Keep the stainless steel probe and wires away from children.
3) Wash the metal probe tips with hot soapy water and dry thoroughly. Do not immerse the probe in water while cleaning.
4) Wipe the transmitter and receiver with damp cloth. Do not immerse either in water.

FCC Statement:
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.

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:

—Reorient or relocate the receiving antenna.

—Increase the separation between the equipment and receiver.

—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

—Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.