

# User Manual

## Installation & Operation

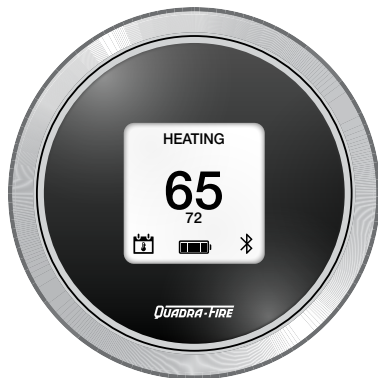
**INSTALLER:** Leave this manual with party responsible for use and operation.

**OWNER:** Retain this manual for future reference.

Contact your dealer with questions regarding installation, operation or service.

# QUADRA-FIRE®

## Wireless User Interface



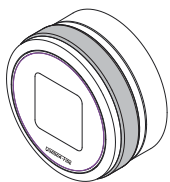
**NOTE:** Contact your dealer or visit [www.quadrafire.com](http://www.quadrafire.com) for a French or Spanish translation.

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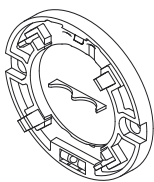
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**NOTICE:** DO NOT DISCARD THIS MANUAL

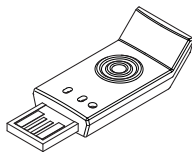
## Included



Wireless User Interface



Mounting Plate with Built-in Level



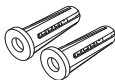
Bluetooth Key



Batteries



Mounting Screws



Mounting Anchors

## Tools Needed:



Hammer



Drill



Phillips Screwdriver



3/16 or 7/32 Drill bit

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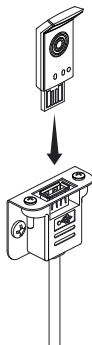
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# 1. Installation

## A. Bluetooth Key

Plug the Bluetooth key into the appliance (**Figure 5.1**).

See your appliance manual for location.



**Figure 5.1**

## B. Power Source

Plug the appliance into its power source (**Figure 6.1**).

*This will cause the combustion blower to turn on for approximately 45 seconds and run a calibration.*

Install batteries (**Figure 6.2**).

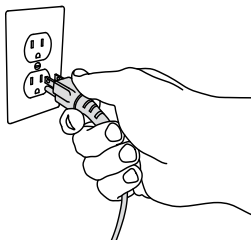


Figure 6.1

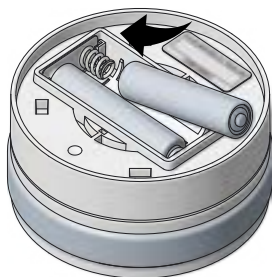


Figure 6.2

## C. Bluetooth Connection

The user interface should automatically connect to your appliance. If this does not happen within 5 minutes, reference pairing instructions on [page 24](#).

Connected:



Disconnected:



## D. User Interface Location & Mounting

**NOTE:** Do not use if not properly mounted to a wall.

To ensure you have a reliable Bluetooth connection locate the user interface:

- At a maximum distance of 30 foot from appliance
- On an interior wall
- 5 feet from the floor
- Not behind doors, bookcases or other objects
- Away from drafts and direct heat from the appliance

**NOTICE:** Verify stable connection before mounting the user interface.

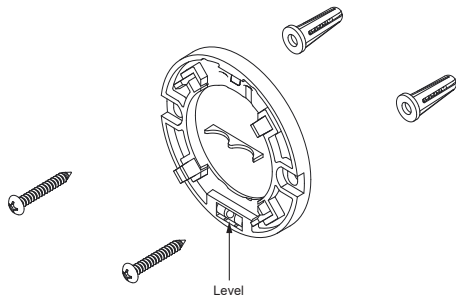
While we state a maximum range of 30 feet, we recommend pairing the user interface to the appliance and accessing the diagnostics menu to view the Bluetooth signal strength prior to selection of final mounting location for the user interface.

While viewing the signal strength on the diagnostics menu, move the user interface to the desired location and look at the signal strength.

- Ideally, the user interface should be located where the signal strength is better than -78db The closer the number is to 0, the better the signal strength.
- Occasionally, the signal strength may decrease to as low as -79db, which is considered normal.
- However, a steady wireless signal strength of -79db may still connect and function, but may affect the reliability of the Bluetooth connection.

Mount base plate using screws and anchors provided using the level as a guide as shown in [Figure 9.1 on page 9](#). It is recommended to mount at least one screw into a stud. If necessary drill 3/16 holes for drywall or drill 7/32 for plaster.

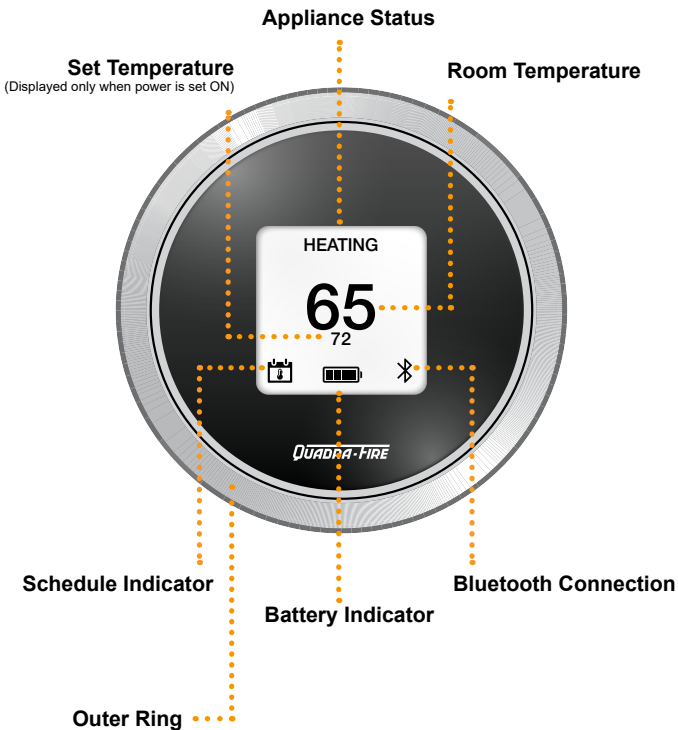




**Figure 9.1**

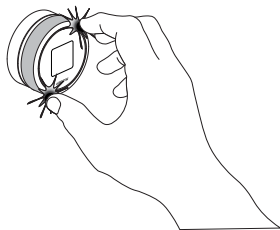
## 2. Basic Operation of the User Interface

### A. Home Screen Reference

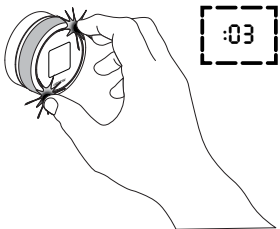


## B. Basic Motions

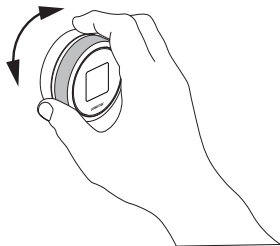
- Press outer ring
  - Use for selection



- Press and hold outer ring for 3 seconds
  - Access main menu
  - Return to home screen



- Rotate outer ring
  - Scrolls through items
  - Changes numerical values

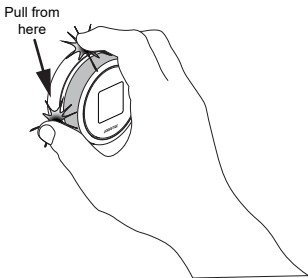


## C. Battery Replacement

To install batteries properly; remove the user interface from the wall by pulling straight out from the back of the housing see **Figure 12.1**.

**NOTE:** DO NOT pull from the gray banded area of the user interface as this may potentially pull user interface apart.

- After the user interface is removed; remove the batteries.
- Install new batteries
- Remount to wall



**Figure 12.1**

## 3. Home Screen

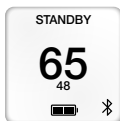
### Home screen (Power OFF):

This screen is displayed when the appliance is in an OFF state and will not start.



### Home screen (POWER ON):

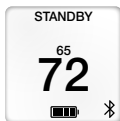
This screen is displayed after appliance is set to ON.



## A. Setting The Temperature

The temperature range is 48°F to 81°F (9°C to 27°C).

From the home screen, press the outer ring to access the set temperature; rotate clockwise to raise the temperature and counterclockwise to lower the temperature.



## 4. Menu Options

### A. Access Menu Options

From the home screen press and hold the outer ring for 3 seconds to access:

- POWER
- HEAT LEVEL
- SCHEDULE
  - DAILY SCHEDULE
- SETTINGS
  - DATE & TIME
  - LANGUAGE
  - THERMOSTAT
  - TUNING
- DIAGNOSTICS
- MANUAL FEED

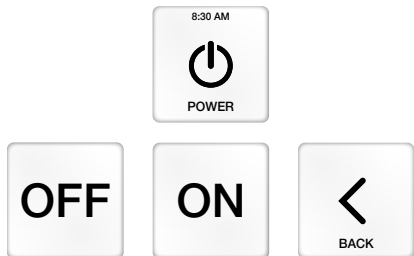


Rotate the outer ring clockwise or counterclockwise to select a menu option and press the ring to confirm your selection.

## B. Power

**NOTE:** Default is set to OFF.

Select POWER from the main menu. Rotate clockwise or counterclockwise to access OFF, ON or BACK and press the outer ring to select.



## C. Heat Level

**NOTE:** The default HEAT LEVEL is 5.

*HEAT LEVEL is used to set the maximum heat level at which the appliance will operate.*

Select the HEAT LEVEL screen from the main menu. Rotate clockwise or counterclockwise to adjust HEAT LEVEL.



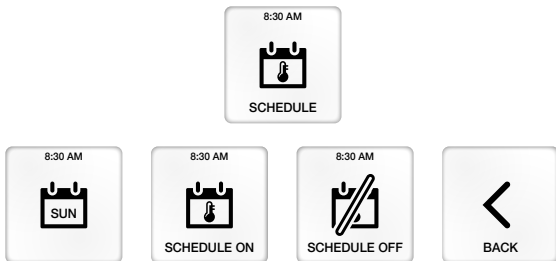
## D. Schedule

**NOTES:**

- Default SCHEDULE is set to off.
- SCHEDULE will not run until it is turned on.
- SCHEDULE will not run correctly until DATE & TIME are set.

*The SCHEDULE menu sets a daily schedule for setting desired temperature at four specific times per day.*

Select the SCHEDULE screen from the main menu. Rotate clockwise or counterclockwise to access the days of the week (SUN through SAT), SCHEDULE ON, SCHEDULE OFF or BACK.





## E. Schedule Manual Override

Press outer ring to adjust the temperature.

The new temperature will be maintained until the next programmed time period begins.

**Schedule On:**




**Schedule Override:**




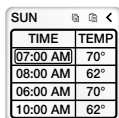
If a power outage occurs while in schedule mode the user interface may appear in schedule override until the next scheduled event.

## F. Daily Schedule

Select the day you would like to change from the schedule menu. Rotate to highlight the item to change, then press outer ring to select and rotate to change. Once the change is made press the outer ring to accept.

To copy one day to another select COPY .

Change to the desired day and select PASTE .

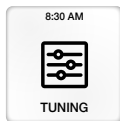


SUN

TIME	TEMP
07:00 AM	70°
08:00 AM	62°
06:00 AM	70°
10:00 AM	62°

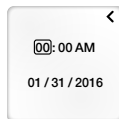
## G. Settings

Select SETTING from the main menu. Rotate clockwise or counterclockwise to access DATE & TIME, LANGUAGE, THERMOSTAT, TUNING and BACK.



## H. Date & Time

Select DATE TIME from the SETTINGS menu. Rotate clockwise or counterclockwise to highlight the item to change, then press the outer ring to select and rotate to change. Once the change is made press the outer ring to accept.



## I. Language

**NOTE:** Default language is ENGLISH.

Select LANGUAGE from the SETTINGS menu. Rotate to access preferred language, then press the outer ring to select.



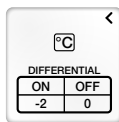
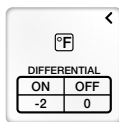
## J. Thermostat

### NOTES:

- Default temperature scale is set to °F.
- To change temperature scale ensure the user interface is OFF.

Select THERMOSTAT from the SETTINGS menu. Rotate to highlight the item to change, then press outer ring to select and rotate to change. Once change is made press outer ring to accept.

DIFFERENTIAL will determine how close to the set temperature your stove will turn on and off. Default setting is -2 and 0.



### ON DIFFERENTIAL

This setting is the number of degrees below the set temperature that your appliance will startup. The available range is -1 to -5.

### OFF DIFFERENTIAL

This setting is the number of degrees above the set temperature that your appliance will shut down. The available range is 0 to +5. When set to 0 the appliance will shut down when it reaches the set temperature.

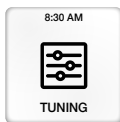
When set above 0 the appliance will automatically adjust the heat level to maintain set temperature while setting a maximum allowed room temperature.

## K. Tuning

**IMPORTANT:** PLEASE REFER TO YOUR MANUAL BEFORE MAKING ADJUSTMENTS TO THE TUNING OF YOUR APPLIANCE. THE FUNCTION OF TUNING IS TO ALLOW FOR VARIATION IN FUEL QUALITY, VENTING, INSTALLATION CONFIGURATIONS, AND ELEVATION.

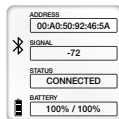
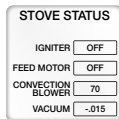
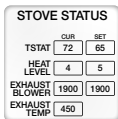
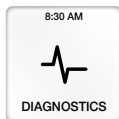
Select TUNING from the SETTINGS menu. Follow the instructions, then press the outer ring to access the tuning adjustments. Rotate to change the tuning setting, then press outer ring to accept.

Please allow at least 15 minutes before making additional changes.



## L. Diagnostics

Select DIAGNOSTICS from the main menu. The diagnostics displays additional information about your appliance.



## M. Pairing

**NOTE:** The user interface and Bluetooth key will come paired from the factory.

If the user interface does not automatically connect with the appliance within five minutes, the device will need to be paired.

### To pair the device:

- Plug in the appliance to power; wait 45 seconds for the calibration to complete.
- Remove the Bluetooth key from the appliance (See your appliance manual for location).
- Place the user interface into PAIRING mode by selecting DIAGNOSTICS from the main menu and pressing the outer ring on the Bluetooth information screen; see **Figure 24.1**.
- Status will change to PAIRING
- Then plug Bluetooth key into appliance.
- Once devices are paired the light on the Bluetooth key will turn solid blue. Status may display disconnected approximately 20 seconds until the screen refreshes and displays connected.

**NOTE:** Pairing should take between 20 to 30 seconds.



Figure 24.1



## N. Manual Feed

**NOTE:** Use Manual feed only after adding pellets to an empty hopper.

MANUAL FEED is only available when the user interface status displays OFF.

Select MANUAL FEED from the main menu. Rotate to ON, then press outer ring to select. The screen will display FEEDING at the top and switch to the OFF screen. Wait for the MANUAL FEED function to complete or press the outer ring to cancel feeding. The user interface will automatically set POWER to ON and return to the home screen.



## 5. Error Codes

In the event of an error follow the instructions on the screen. Once the error has been corrected, click the outer ring to clear the error and return to the home screen.

The error screen will only be displayed again if the error persists. After any error, POWER is automatically set to OFF and must be manually set to ON. See POWER section on [page 15](#).

### Feed Error



### Ignition Error



### Other Error Codes

- 2 Exhaust Probe Fail
- 6 Exhaust Blower Alarm
- 8 Exhaust Over-Temp
- 10 Communication Error



Reference the appliance Owner's manual or contact dealer for assistance if errors persist.

## 6. Glossary

<b>Bluetooth</b>	A short-range wireless connection between the user interface and the appliance
<b>Connected</b>	The user interface and appliance are communicating.
<b>Daily Schedule</b>	A seven day programmable schedule with four events each day.
<b>Diagnostics</b>	Displays the current operating conditions of the appliance and the user interface
<b>Differential</b>	The offset temperature above and below the set temperature that the appliance will startup and shutdown
<b>Disconnected</b>	The user interface and appliance are not communicating
<b>Heating</b>	Appliance is warming to set temperature
<b>Heat Level</b>	The maximum burn setting at which the appliance will operate
<b>Manual Feed</b>	Used to fill the auger tube after adding pellets to an empty hopper
<b>Pairing</b>	The user interface and appliance are establishing a connection
<b>Purging</b>	Appliance is cleaning the fire pot
<b>Standby</b>	Appliance is waiting for the user interface to call for heat
<b>Tuning</b>	Used to adjust the air to fuel mixture
<b>Waiting to Start</b>	Appliance needs to cool down to ensure proof of fire during startup

# **QUADRA-FIRE**<sup>®</sup>

## **CONTACT INFORMATION**

Hearth & Home Technologies  
352 Mountain House Road  
Halifax, PA 17032  
Division of HNI INDUSTRIES

**Please contact your Quadra-Fire dealer with any questions  
or concerns.**

**For the number of your nearest Quadra-Fire dealer log onto  
[www.quadrafire.com](http://www.quadrafire.com)**

