



EASY Touch Control

Easy, Accurate, Smart and provides Yearly savings.

HARMAN®

BUILT TO A STANDARD, NOT A PRICE

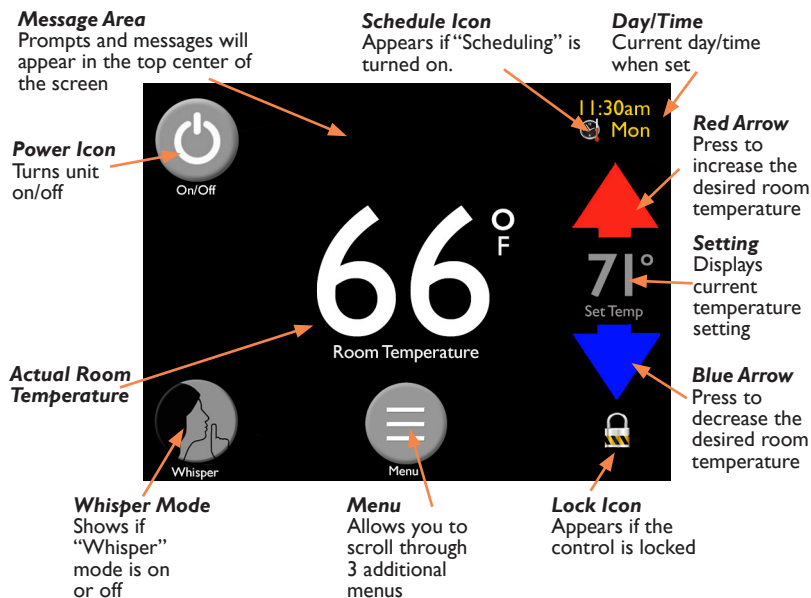
Owner's Manual

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EASY Touch Control Overview

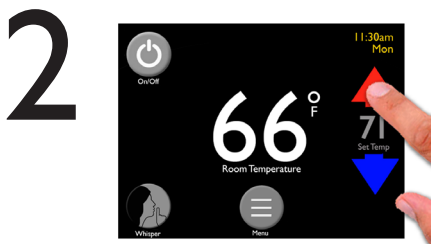
The EASY Touch Control home screen manages the essential functions of your Harman pellet stove.



Quick Start: Starting Your Pellet Stove



**Fill the Hopper
with Pellets**



**Use the Up and Down
Arrows to set desired
room temperature**



Touch the Power Icon

Your EASYTouch Control automatically runs at our factory default settings which is the most convenient way to heat with a Harman pellet stove. Factory default settings include but are not limited to:

- Room Sensing Mode
- Automatic Ignition
- Automatic Fan

Note:

- The first time the unit is plugged in, you will need to choose the preferred language, then hit the “Home” icon
- The temperature setting must be 3 degrees higher than the room temperature for the stove to light

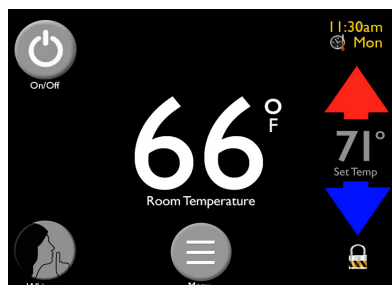
Menus

You can easily heat your home using just the home screen functions.

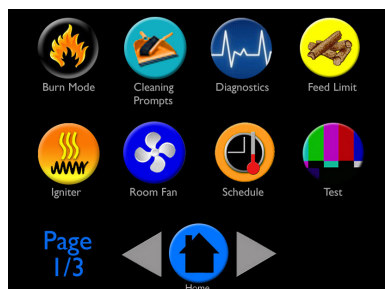
Using the “Menu”, “Home”, “Left” and “Right” arrow icons you can get to any function.

When more customization is desired the “Menu” icon allows you to scroll through 3 pages of icons to access controls for individual features.

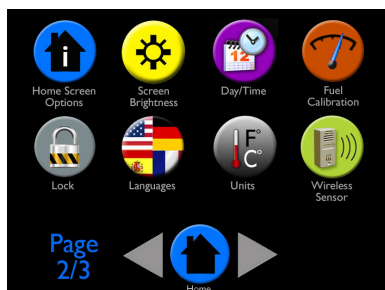
We have organized the menu pages in order of most frequent use.



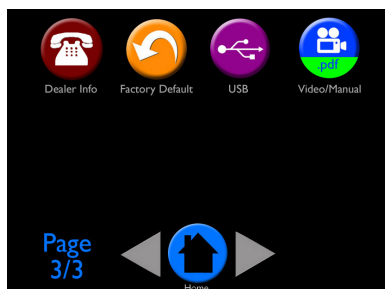
Home Screen



Menu 1

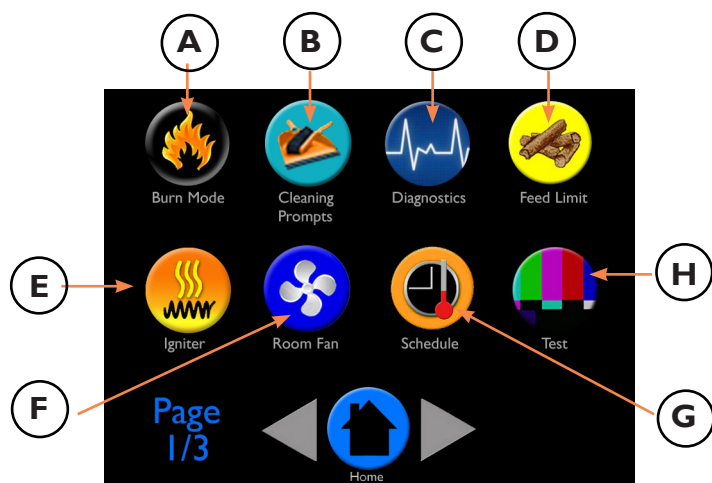


Menu 2



Menu 3

Menu 1 Overview



The first menu gains access to the most used options.

A - Burn Mode: Select “Room Sensing” or “Constant Burn Sensing”

B - Cleaning: Displays current cleaning percent accumulated and allows for reset

C - Diagnostics: 6 pages of data showing how the stove is performing

D - Feed Limit: Adjust the amount of pellets being fed to the burn pot

E - Igniter: Select method of ignition and shut down, automatic or disabled

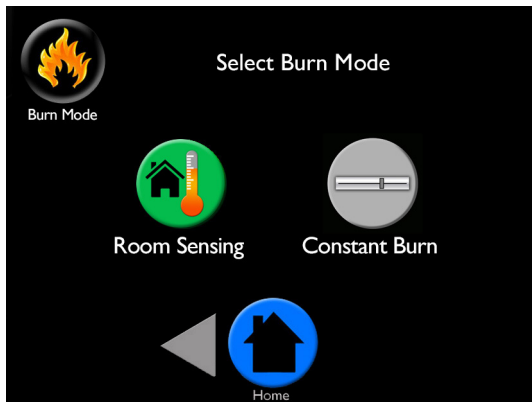
F - Fan: Choose automatic or manual fan

G - Schedule: Program when you want your temperatures to change, 7 days a week

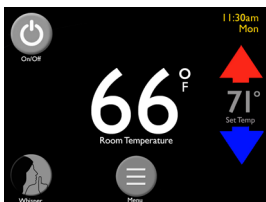
H - Test: Test individual functionality of motors and igniter

Note: You cannot cause harm to the unit by changing settings, however, you may not achieve your ideal temperature. If you are unsure of what you have set, you can always go to “Factory Default” on page 3 to revert to factory settings.

Burn Mode

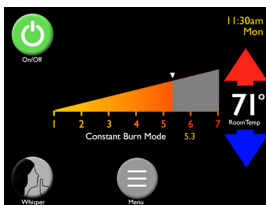


“Burn Mode” allows you to select how you want the stove to operate. Refer to the stove owner’s manual for detailed description.



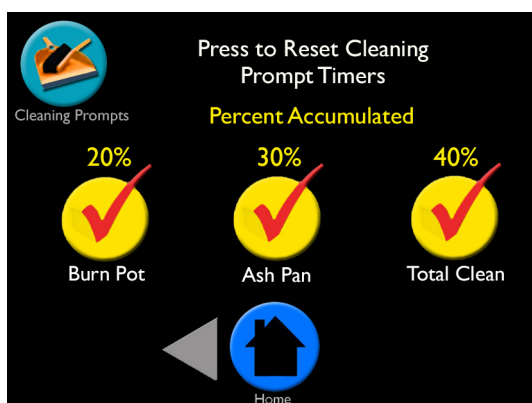
Room Sensing utilizes the onboard sensor or optional wireless remote sensor to monitor temperatures and automatically adjusts the stove to maintain your desired temperature setting.

The home screen will display your actual room temperature on the center of the screen in this mode.




Constant Burn allows you to manually control heat output. In Constant Burn you will set the heat level at a number between 1 (low) to 7 (high) using the slider bar on the home screen. For your reference, the room temperature is displayed to the right of the slider bar on the home screen. The stove will not shut down regardless of room temperature, until you manually turn it off.


Cleaning Prompts




The “Cleaning” screen displays the percentage of time that has accumulated since the last cleaning. When it reaches 100%, you will get messages on the home screen to perform that specific maintenance. Press the checkmark on the home screen to reset. Resetting the maintenance sets it back to 0% and tells the control to start calculating until the next cleaning is needed.

In the case you clean your stove before prompted, this menu allows you to manually reset the percent accumulated. You can expect to see messages at the following intervals:

 **Burn Pot:** You will be prompted to scrape the burn pot approximately every five days*

 **Ash Pan:** You will be prompted to empty it every 5 days*

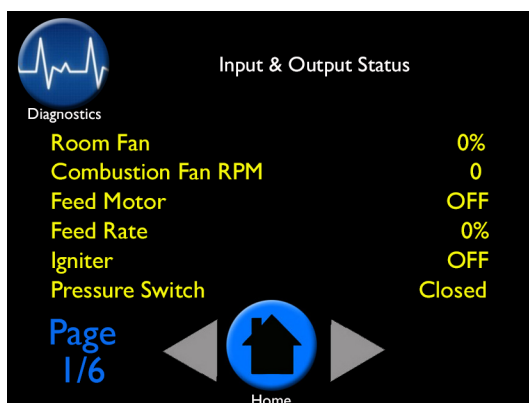
 **Total Clean:** You will be prompted to completely clean the unit and venting after each ton*

It is important to perform these maintenance tasks to keep your Harman pellet stove/insert warming your home as efficiently as possible.

**Depending on stove model and quality of the pellets burned*

*** See “Fuel Calibration” screen for more details*

Diagnostics - Page 1



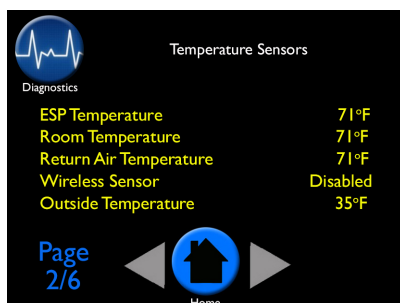
There are 6 pages of diagnostic information that will be helpful if you ever have questions about your Harman pellet product. The data on these screens allows you to understand and reference how your unit is working.

Diagnostic information on Page 1 of 6 includes:

- **Room Fan:** Current room fan speed percent
- **Combustion Fan RPM:** Current fan RPMs
- **Feed Motor:** Displays if the feed motor is currently on or off
- **Feed Rate:** Current feed rate percentage
- **Igniter:** Displays if igniter is currently on or off
- **Pressure Switch:** Displays if the pressure switch is currently open or closed

Diagnostics - Pages 2 & 3

Diagnostic information on page 2 of 6 displays temperature sensors



ESP Temperature: Displays the current temperature of the Exhaust Sensing Probe

Room Temperature: Displays room temperature sensed from the on-board or Wireless Remote Sensor(optional).

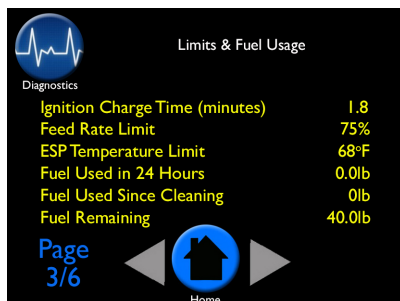
Return Air Temperature: Displays the room air temperature returning to the unit. This temperature becomes the set

point for the stove to achieve if the wireless sensor loses signal. You will see "Using Back Up Sensor" on your home screen.

Wireless Sensor: Displays whether or not the optional wireless sensor is disabled or enabled.

Outside Air Temperature: Displays outside temperature when the optional Outside Air Kit is installed.

Diagnostic information on Page 3 of 6 displays Limits and Fuel Usage.



Ignition Charge Time (min):

This can only be altered by an Authorized Harman Dealer. Displays amount of time the auger feeds fuel during the ignition cycle.

Feed Rate Limit (%): Displays the maximum allowed percentage as set in the "Feed Limit" screen.

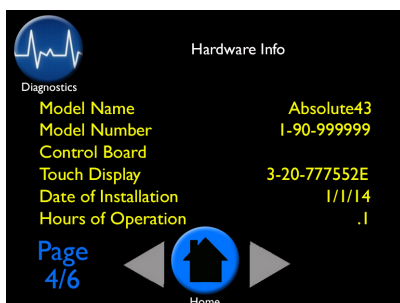
ESP Temperature Limit: Displays the maximum temperature of the ESP allowed by the control, based on current settings.

Fuel Used in 24 Hours: Displays the amount of pounds burned in the past 24 hours.

Fuel Used Since Cleaning: Displays how many pounds of fuel was used since last total clean.

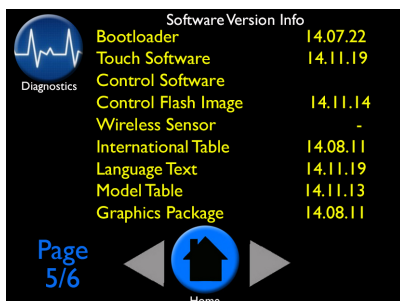
Fuel Remaining: Displays amount of fuel in hopper. To enhance accuracy, fuel calibration should be completed, see Menu 2.

Diagnostics - Pages 4, 5 & 6



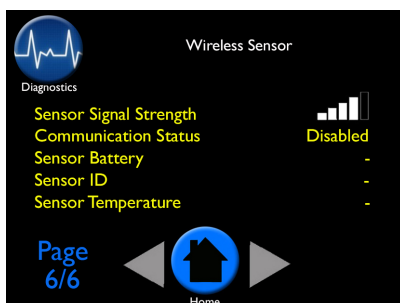
Diagnostic information on page 4 of 6 displays hardware information:

- Model Name
- Model Number
- Control Board Number
- Touch Display
- Date of Installation
- Hours of Operation



Diagnostic information on page 5 of 6 displays software version information:

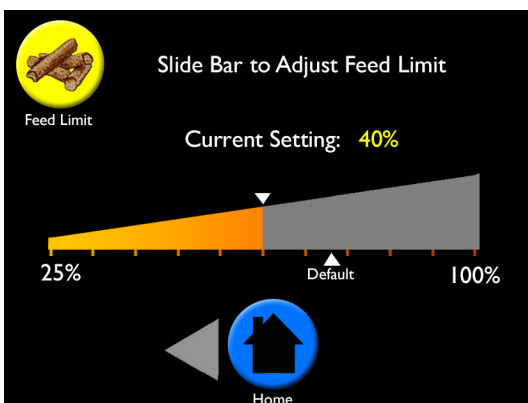
- Bootloader
- Touch Software
- Control Software
- Control Flash Image
- Wireless Sensor
- International Table
- Language Text
- Model Table
- Graphics Package



Diagnostic information on page 6 of 6 displays wireless sensor information:

- Sensor Signal Strength (wireless)
- Communication Status: Enabled or Disabled
- Sensory Battery
- Sensor ID
- Sensor Temperature

Feed Limit



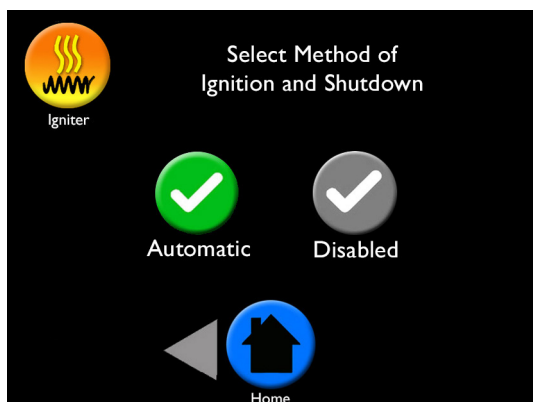
The “Feed Limit” screen allows you to adjust the amount of fuel being fed to the burn pot. The factory default for this is 75% which is best for most pellets.

To Adjust:

- Move the slider bar by tapping or sliding it to the desired adjustment
- Decrease your feed limit if you see unburnt pellets falling into the ash pan
- Increase your feed limit to maintain approximately 1” of completely burnt pellets on the burn pot

The quality of pellets is what causes the need for this adjustment.

Igniter



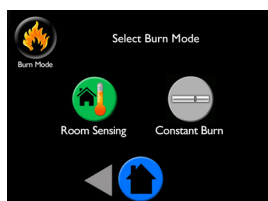
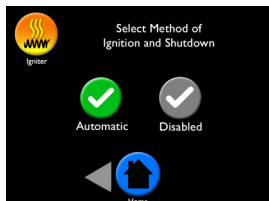
There are two ignition and shutdown modes for Harman pellet products: “Automatic” and “Disabled”. Each can be used in conjunction with Constant Burn Mode.

“Automatic” will automatically ignite and shut down.

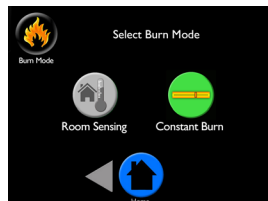
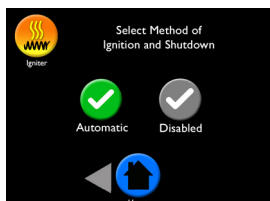
“Disabled” requires the stove to be lit in Automatic and then switched to Disabled. The stove will alter its flame size to keep at your set temperature. Disabled allows your stove to continue to run without shutting down, even once set temperature is achieved, keeping a continuous heat without going through the ignition cycle.

Igniter

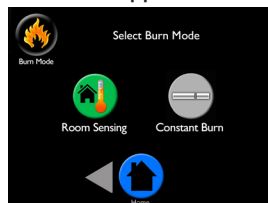
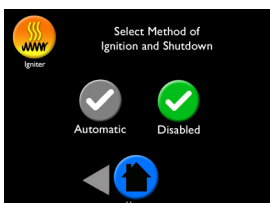
Automatic and Room Sensing Mode: The unit will automatically ignite and shutdown. As long as there is fuel in the hopper, the stove will automatically reignite when there is a demand for heat. *Note: This is the most common and recommended method of operation.*



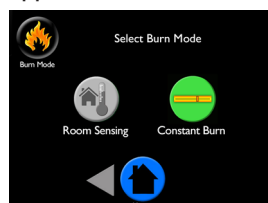
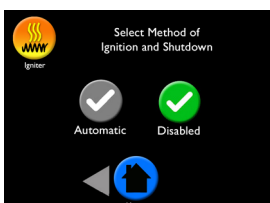
Automatic and Constant Burn Mode: The unit will automatically ignite and will operate at your selected Constant Burn setting. The unit will not shut down unless the “On/Off” icon is touched or if the hopper runs out of fuel.



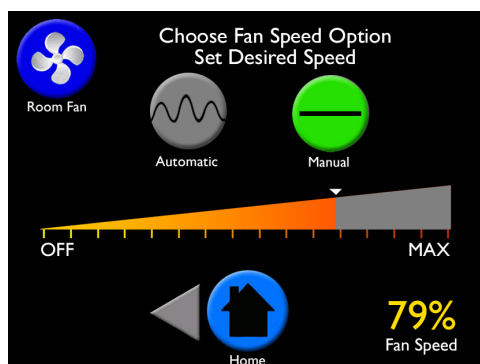
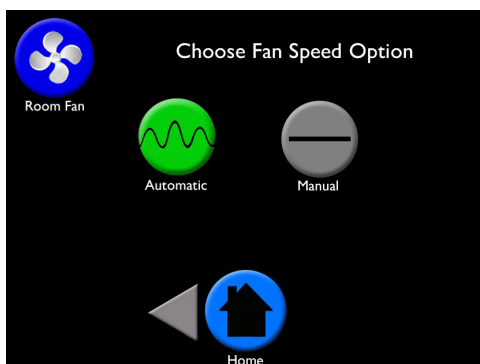
Disabled and Room Sensing Mode: The stove must be lit in “Automatic” and then switched to “Disabled”. The stove will alter its flame size to keep at your set temperature. However, if set temperature is achieved, the unit can only go to minimum burn. The unit will not shut down unless the “On/Off” icon is touched or if the hopper runs out of fuel.



Disabled and Constant Burn Mode: The stove must be lit in “Automatic” and then switched to “Disabled”. The stove will operate at your selected Constant Burn setting. The unit will not shut down unless the “On/Off” icon is touched or if the hopper runs out of fuel.



Room Fan



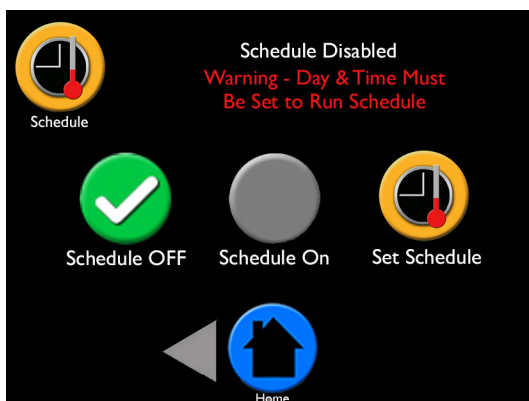
The “Room Fan” screen gives you two choices to control the way warm air enters the room: “Automatic” and “Manual.” The default is set as Automatic.

Automatic allows the stove to automatically adjust the amount of warm air entering the room to achieve and maintain the set temperature.

In Manual, you can set the fan rate between off and maximum. For your reference, the fan percentage rate is displayed on the lower right of the screen.

Safety note: The unit will override the low Manual setting at high burn rates.


Schedule




The “Schedule” screen gives you the ability to set temperatures you want your home to be throughout the day.

Here’s how:

- Press “Set Schedule” to get to the scheduling screen (see instructions on adjacent page)
- Set schedule for all 7 days of the week
- Return to scheduling screen
- Press “Schedule On” or “Schedule Off” icon

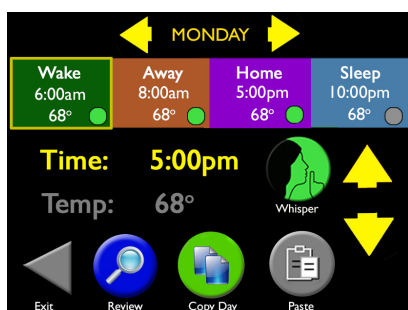
The “Schedule” icon will have a  through it if schedule is on but the time is not set. This also may occur due to power outage.

The Schedule icon will have a  over it when temperatures are overridden by adjusting the up and down arrows on the home screen. Scheduling will resume at the next time period.

Notes:

- When scheduling is on, a small clock icon will show on top right of the home screen
- You can choose to change any of these settings at any time
- If you unplug your stove at the end of the heating season, the EASY Touch Control will remember your schedule setting
- Scheduling will not work in Constant Burn Mode—Constant Burn will override scheduling to maintain the consistent burn you set
- The day/time must be set for scheduling to function

Schedule



	6:00am 70°	7:30am 65°	5:30pm 72°	10:30pm 68°
M				
TU	6:00am 70°	7:30am 65°	5:30pm 72°	10:30pm 68°
W	6:00am 72°	7:30am 65°	5:30pm 72°	10:00pm 67°
TH	6:00am 72°	8:00am 65°	6:00pm 70°	9:30pm 70°
F	6:00am 70°	8:00am 65°	6:00pm 72°	11:00pm 68°
SA	9:00am 72°	10:30am 62°	8:30pm 72°	11:30pm 67°
SU	9:00am 72°	11:00am 62°	7:00pm 70°	10:00pm 68°
Back		Touch Any Block to Edit		

Set Schedule

Step 1: Choose day

Step 2: Set wake time (highlighted by yellow box)

Step 3: Set temperature

Step 4: Choose “Whisper Mode” on/off

Step 5: Touch “Away”, “Home”, or “Sleep” to highlight, then set time and temperature

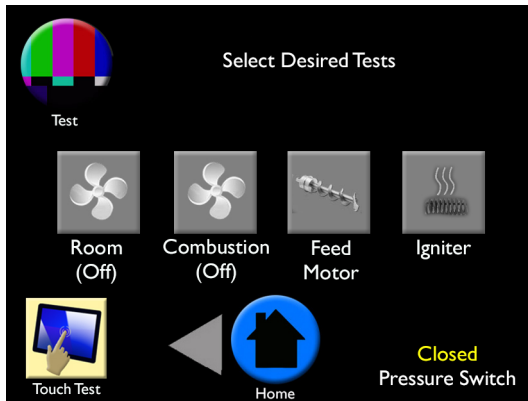
Copy Schedule

- Copy this day's schedule
- Choose day for this schedule
- Paste into each day you want this schedule

Review Schedule

- Press any block to edit, if needed, or select “Back” to return to previous menu
- Touch “Exit” when finished scheduling all 7 days

Test



“Test” screen allows you to test the individual functionality of the motors and igniter. To test functionality, simply press the icon for the component you want to test. The icon will change colors while testing.

During testing, the components will do the following:

Room Fan: (Is air moving?)

- First touch turns blower on maximum set point
- Second touch reduces blower to minimum set point
- Third touch turns off the fan

Combustion Fan: (Can you hear it?) A message will appear stating the RPM

- First touch turns on full voltage RPM
- Second touch goes to max RPM set point
- Third touch goes to minimum RPM set point
- Fourth touch turns off the fan

Note: A cold unit may show reduced RPM's due to air density.

Feed Motor: (Is auger moving?)

- First touch starts the test, and automatically turns on combustion fan to activate the pressure switch safety device in the auger circuit
- Second touch turns off the igniter
- Turn off the combustion fan (3 touches)

Igniter: This test only needs performed if you experience failed ignition. We recommend contacting your Authorized Harman Dealer for assistance.

(After one minute, open the front door and check for heat. Be careful since they burn pot can be hot.)

- First touch starts the test and automatically turns on combustion fan to activate the pressure switch safety device in the igniter circuit
- Second touch turns off the igniter
- Turn off the combustion fan (3 touches)

Touch Test: The touch accuracy can be tested on the “Touch Test Area” by pressing inside the rectangle. If circles appear outside of the area you touched, calibration may need completed by your Authorized Harman Dealer.

The other data on this screen are factory tests that do not need to be accessed.

Menu 2 Overview



The second menu includes:

A - Home Screen Options: Add more data to your home screen if desired

B - Screen Brightness: Change the brightness of the touch screen

C - Day/Time: Set the day and time that appears on the home screen

D - Fuel Calibration: Adjust low fuel indicator timing

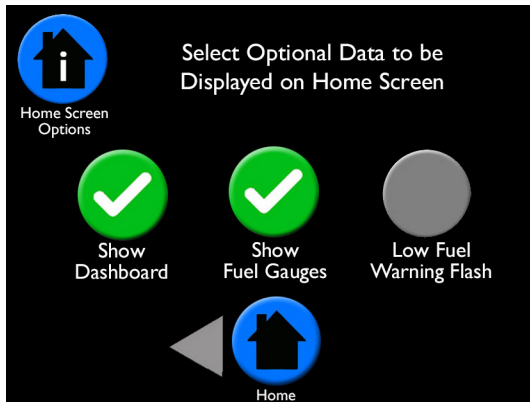
E - Lock: Lock your screen to protect from others in your home from changing temperature/setting

F - Languages: Choose the language you prefer

G - Units: Choose “Metric” or “English” units of measure

H - Wireless Room Sensor: Enable optional wireless room sensor (see your authorized Harman dealer for availability)

Home Screen Options



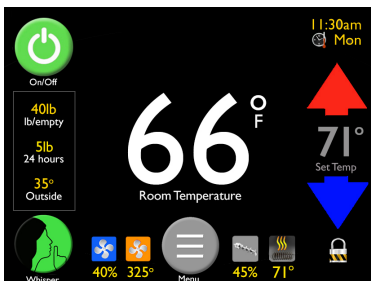
If you prefer to see how your Harman pellet stove is performing without going into the menus, you can elect to have information shown on your home screen.

“Show Fuel Gauges” will display:

- Estimated pounds until empty: Turning this function on enables the “Touch Here If Hopper Was Filled” prompt which notifies the calculator when a bag of pellets was added or the hopper is filled
Note: Fuel calibration is required to obtain accuracy. See page 23)
- Approximate fuel used in last 24 hours
- Outside air temperature (requires Outside Air Kit)

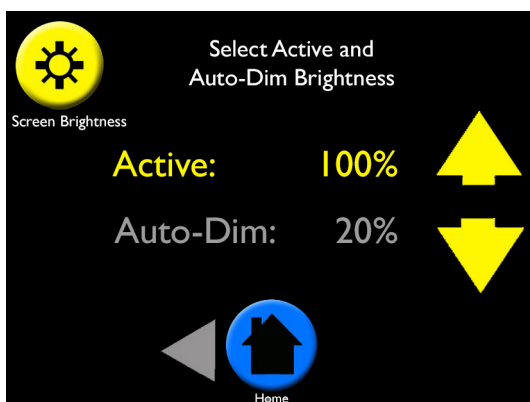
“Show Dashboard” will display status of:

- Room fan with percentage
- Combustion blower with RPMs
- Auger motor with percentage
- Igniter: On when color, ESP temperature when grey



This screen shot shows what the home screen would look like if both “Show Dashboard” and “Show Fuel Gauges” are selected.

Screen Brightness



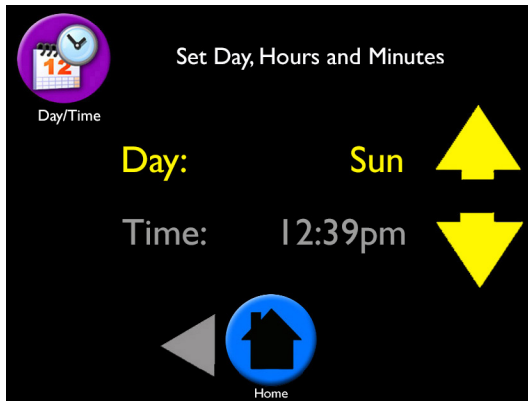
The “Brightness” screen allows you to change how bright the display screen is when it is Active and Inactive.

Active: Touch Screen brightness and adjust with arrows from 20% to 100%

Auto-Dim: Touch Screen brightness and adjust with arrows from 0% to 100%

After 30 seconds of inactivity the display will revert to the auto-dim state and go back to the home screen.

Day/Time



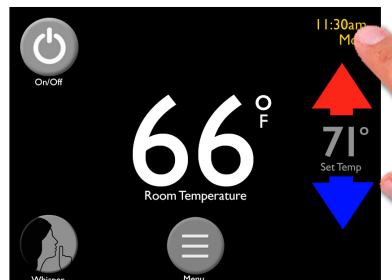
The “Day/Time” screen allows you to set the day of the week and current time.

To set:

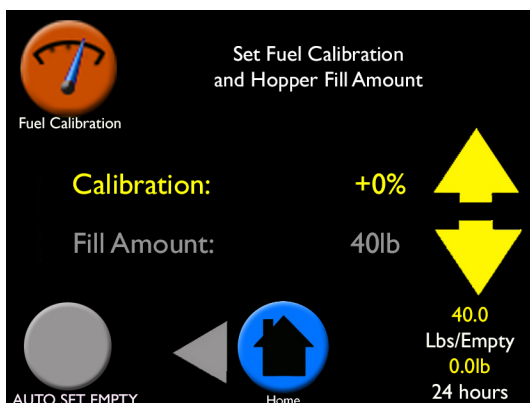
- Select the current day using up and down arrows
- Touch “Time” and use the up and down arrows to adjust the hour, continuing to scroll for AM/PM
- Touch minutes numbers on display and use up and down arrows to adjust

Note:

- You can easily go back to reset the day, hour or minutes as needed by touching the “Day/Time” area on the home screen
- The Day/Time must be set for the scheduling feature to work
- The Day/Time will automatically set to the correct time after a power outage if it is connected to the optional Wireless Remote Sensor



Fuel Calibration



Fuel calibration is required when you have turned on “Show Fuel Gauges” within the home screen option menu. This enables a “Touch here if hopper was filled” prompt to appear on the home screen when opening and closing the hopper lid. By default, fuel calibration is set to 40 pounds to equal one bag of pellets.

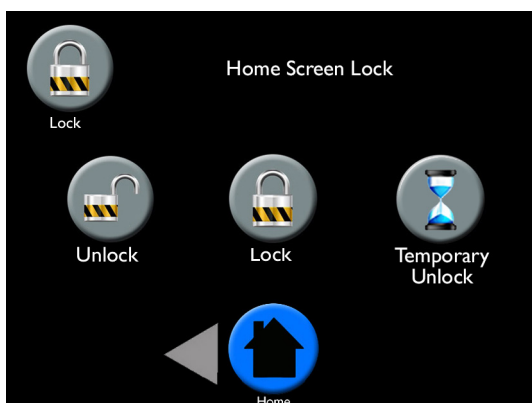
To Adjust:

- Fill the hopper with a 40lb bag of pellets
- Touch the check mark to verify the hopper was filled—this will reset the fuel calculator
- Allow the stove to burn through this bag of pellets—when only a couple of handfuls are left, put another bag of pellets in
- Touch the check mark to verify the hopper was filled
- Then go to the “Fuel Calibration” menu and push the “Auto Set to Empty” icon. This will adjust the percentage needed to calculate pounds to empty

Note:

- *You can also turn on a low fuel warning light within home screen options that will cause the hopper light to blink and alert you when pellets are getting low*
- *If you do not add fuel to the hopper, the prompt will stop blinking after 30 seconds*
- *Calibration may be required when using various brands of fuel based on quality*

Lock



The “Lock” screen provides an easy way to lock the EASY Touch Control. This feature protects the control from being accessed.

To Lock:

- Go to “Lock” screen
- Press the “Lock” icon
- Return to home screen and notice the small lock icon on the lower right corner—settings cannot be altered when control is locked

To Unlock

- Press the small “Lock” icon on the lower right corner of the home screen—this will take you to the Lock screen
- Press the “Unlock” icon

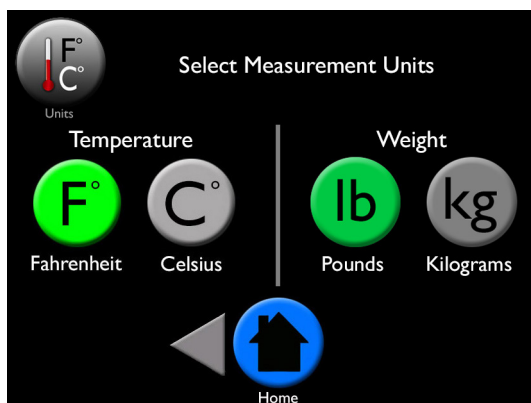
Temporary Unlock

- Unlocks the control for 30 seconds to allow adjustments throughout the control, then automatically re-locks

Languages and Units

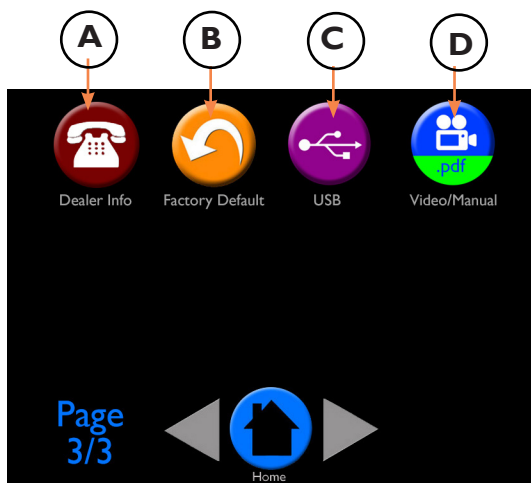


The “Languages” screen allows you to select the language of your choice. The units of measure will change to the standard units for that language, e.g. French will change to kilograms and Celsius. If the selected units of measure are not preferred, they can be changed in the “Units” screen.



The “Units” screen gives the option to see temperature in Fahrenheit or Celsius and weight in pounds or kilograms. Simply press the icon of the preferred unit.

Menu 3 Overview



The third menu includes:

- A - Dealer Info:** Access your Authorized Harman Dealer's contact information
- B - Factory Defaults:** Allows you to reset to factory settings
- C - USB:** Shows the USB menu for software upgrades
- D - Video/Manual:** Scan QR codes to view manuals and use and care video

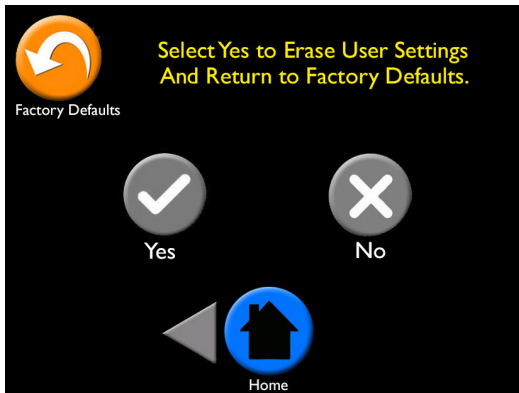
Dealer Information



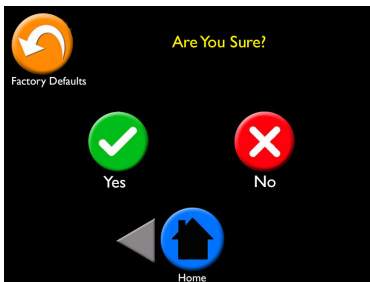
The “Dealer Information” screen contains your Harman Dealer information. Please contact this dealer for all your Harman pellet stove needs.

In case you feel you have a problem with your unit, your dealer may instruct you to press the “Diagnostic” or “Test” icon to give them more detailed data to properly troubleshoot your pellet stove over the phone.

Factory Defaults

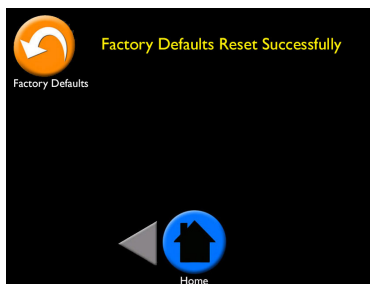


The “Factory Default” screen guides you through properly resetting your unit to the factory default settings.



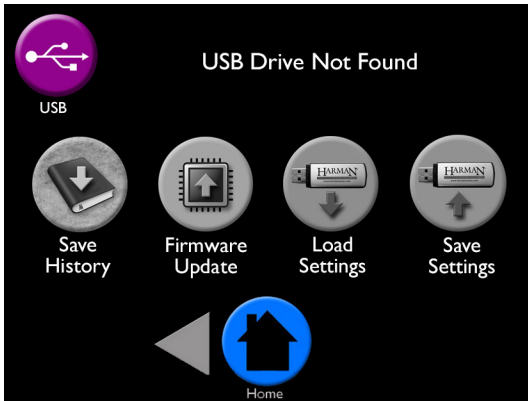
Select “Yes” to erase your settings and return to factory defaults.

Select “No” to cancel reset.



If “Yes” was selected, this screen will appear to confirm the EASY Touch Control has been reset to the factory default.

USB



The “USB” screen displays actions that use the USB jump-drive port on the side of the EASY Touch Control.

This screen includes:

Save History saves data of your unit’s performance history that can be shared with an authorized Dealer to help troubleshoot your unit.

Firmware Update is used for EASY Touch Control updates which can be uploaded to the provided USB. You may use another USB. Firmware update notices are available on harmanstoves.com on the Absolute43 “Downloads” tab. Follow the direction published on the website.

Load Settings allows you to load your saved settings.

- While on the USB screen, insert the USB
- The icons will become colored, indicating they can be selected
- Select the Load Settings Icon
- The information is transferred immediately, there is no indication that the saving is successful

Save Settings allows you to save your settings on the EASY Touch Control onto a USB.

- While on the USB screen, insert the USB
- The icons will become colored, indicating they can be selected
- Select the “Save Settings” icon
- The information is transferred immediately, there is no indication that the saving is successful








Video/Manual



This screen allows you to access the EASY Touch Control video and manual anytime by scanning the QR code with your smart-phone or tablet.

Cleaning Prompts, Messages and Errors

Your EASY Touch Control communicates with you by showing messages on the top center of the EASY Touch Control home screen. If you have more than one message, the messages will show consecutively until you acknowledge the message by performing the task. These communications include:

PROMPTS	Scrape Burn Pot and Reset Here 	When prompted, scrape burnpot. Press checkmark to reset.
	Empty Ash Pan and Press Here 	When prompted, inspect and empty ash pan as needed. Press checkmark to reset.
	Total Clean and Reset 	When prompted, inspect and perform total clean. Press checkmark to reset.
MESSAGES	Touch Here If Hopper Was Filled 	Press checkmark if you filled the hopper. If you did not fill hopper, The message will disappear in 30 seconds.
	Wireless Sensor Low Battery Warning	Replace the 2 “AA” batteries in the Wireless Remote Sensor.
	Using Backup Sensor	If Wireless Remote Sensor batteries die, the Back Up Sensor will continue to heat your home.
ERRORS	Warning: Door Open	Check and close the front and ash doors for the stove to continue to heat.
	Warning: Hopper Lid Open	Close the hopper lid for the stove to continue to heat.
	Error: Check Fuel and Reset 	Fill the hopper with pellets. Press checkmark to reset. If you did not fill the hopper, the message will stop after 30 seconds. This error only appears if “Show Fuel Gauges” is turned on.
	Wireless Signal Lost Replace Batteries in Wireless Sensor	Batteries in Wireless Remote Sensor have expired. Replace the 2 “AA” batteries.
	Return Air Sensor Failure	Return Air Sensor has failed. Call your Harman Dealer.
	Ignition Failure Correct and Reset 	Unit has failed to ignite. Scrape the burnpot. Call your Harman Dealer if problem persists.
	Connection Failure Control <==> Display	Touch Control has lost communication to the stove. Call your Harman Dealer.
	Exhaust Sensing Probe Failure	Exhaust Sensing Probe (ESP) as failed. Clean the ESP. If issue persists, call your Harman Dealer.
	Combustion Error Correct and Reset 	Clean your stove. Call your Harman Dealer if problem persists.

Software Updates



You can find firmware upgrades for your EASY Touch Control on the Harman website (see link below). The upgrade file will be downloadable on the provided Harman USB flash drive.

1. Go to <http://www.harmanstoves.com/Products/Absolute43-Pellet-Stove.aspx?page=Downloads>
2. Simply follow the instructions to download the file onto the USB; you must make a folder on your USB flash drive called HarmanFW
3. Place the USB flashdrive into the programming port on the side of the Touch Control
4. Go to the “USB” menu to load firmware update
5. The EASY Touch Control will automatically search for and upload the software update into the EASY Touch Control; a progress bar will indicate the status of the upload; Harman logo will appear when complete, touch the logo to continue operation

Notes:

- Software updates may include added features, icons, or corrections
- Your settings and schedule (if set) will not be overridden during the software update process
- This USB programming port is not a charging port

FAQs

1. What's the difference between Whisper on/off?

Whisper optimizes all sound reducing components to make the stove operate at the quietest levels possible. The maximum BTU in Whisper is 40,000 BTU as opposed to 43,000 when it is off.

2. How do I know when to clean the stove?

A cleaning message will appear in the message area of the home screen. Simply perform the cleaning and press the yellow checkmark.

3. What happens if I press to "Reset to Factory Default"?

While you cannot hurt your stove or cause harm, "Factory Default" resets the control board to the original factory settings.

4. Do I need to use the menus?

The EASY Touch Control was designed for you to never have to leave the home screen if you want to operate in the most popular, "Automatic Ignition" & "Room Temperature" mode. However, the most used menu items are on the first menu page.

5. Who do I contact for Customer Service?

If you have questions or concerns about your Harman pellet stove, call your local Authorized Harman Dealer. Their contact information is on menu 3 for your convenience.

Notes:

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