

Wi-Fi Capable ECM Upgrade Kit WFM-RETROFIT Installation Instructions



Leave this manual with party responsible for use and operation.

B. Kit Contents (WFM-RETROFIT)

- IFT-ECM - 2326-130
- IFT-WFM - 2326-137

1. Introduction

The IntelliFire Wi-Fi Module Retrofit Kit (WFM-RETROFIT) is designed to allow communication between the Hearth & Home Technologies appliance and an Android or iOS device.

The IntelliFire app allows the ability to control many of the available features on the appliance. Also the IntelliFire skill on Amazon Alexa or Google Assistant allows you to turn on and off your appliance.

The IntelliFire Touch® (IFT) Electronic Flame Control Module (IFT- ECM) will have an IntelliFire Touch Wi-Fi label above the Wi-Fi connector. This signifies the IFT-ECM is Wi-Fi ready. See Figure 1.

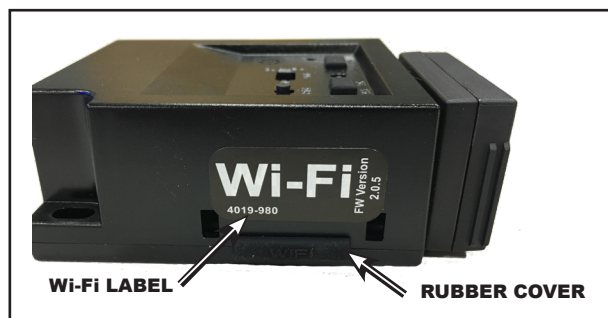


Figure 1 Wi-Fi Label

Hearth & Home Technologies disclaims any responsibility for, and the warranty will be voided by, the following actions:

- Installation and use of any damaged system component.
- Modification of the system component.
- Installation other than as instructed by Hearth & Home Technologies.
- Installation and/or use of any component part not approved by Hearth & Home Technologies.

Any such action may cause a fire hazard.

- Read, understand and follow these instructions for safe installation and operation.

C. Installation Steps

1. Locate the extra nameplate label included with the WiFi module. Adhere the extra label on the top left of page 1 of the User Guide. If the label is not available, write the IFT-WFM Wi-Fi SSN# on top of the User Guide. If you have multiple appliances to set up, write the appliance description / location associated with the IFT-WFM Wi-Fi SSN#. See Figure 2

2. Installation of the Wi-Fi Ready ECM into factory installed IFT controlled appliance

A. Precautions / Preparation

This device is tested and safe when installed in accordance with this installation manual. Do not install any components that may be damaged.

Do not modify, disassemble, or substitute any of the components included with this kit. Installation of this kit must be done by a qualified service technician.

For best performance, the location of the IntelliFire IFT-WFM to the Wi-Fi router or your network extender should be less than 50 feet from the appliance.

Preparation for Installation:

- Refer to the appliance installation manual for electrical wiring of controls.
- Accessory installation manual for reference.

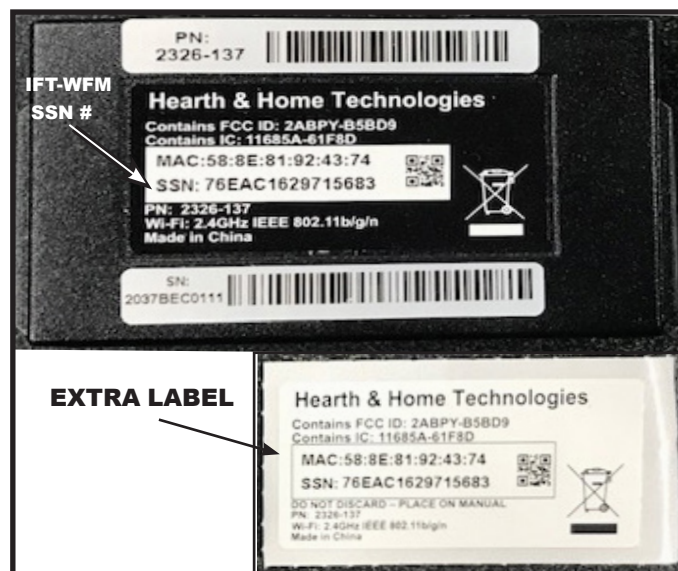


Figure 2 IFT-WFM Wi-Fi SSN# Location

CAUTION! Do not install damaged components. If you received components that are damaged, contact your dealer for assistance.

Refer to appliance or accessory installation manual for detailed instructions.

2. Remove power from appliance.
3. Locate the IFT-ECM in the control cavity of the appliance and move the three-position switch to the OFF position. See Figure 3.
4. Remove the rubber covers and verify the position of 50/30 and LP/NG switches on the old ECM you are removing from the appliance. See Figure 3.

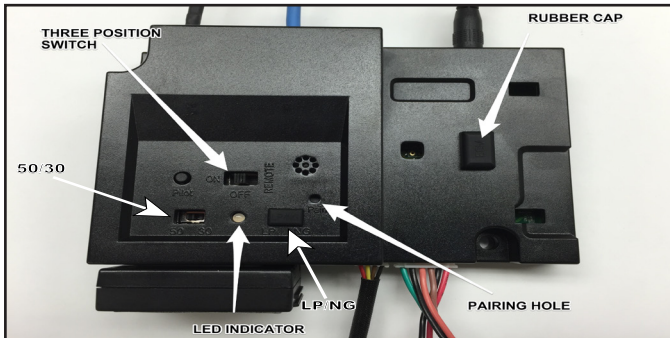


Figure 3 IFT-ECM Information

5. Remove power from any purchased accessory: Fan, lights, Auxiliary Control Module (IFT-ACM). See Figure 4.

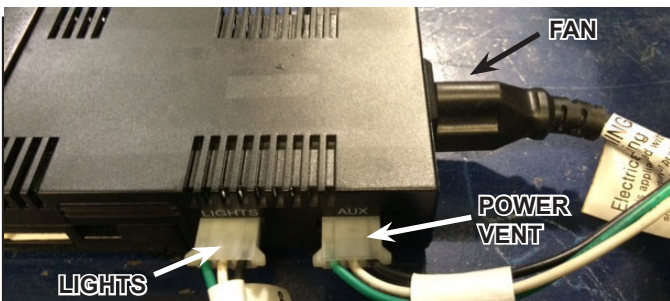


Figure 4 IFT-ACM Accessory Connections

6. Once power has been turned off, proceed to remove from the old ECM all wires and other accessories including the ACM and the Radio Frequency Module (IFT-RFM).
7. Remove the rubber covers and verify the 50/30 and LP/NG switches of the new Wi-Fi enabled ECM are in the same position as the old ECM you noted in step 4. Make sure you replace the rubber covers for the two switches.
8. Install new IFT-ECM by attaching the wires and other accessories including the IFT-ACM and IFT-RFM. See Figure 5.
 - Note the RFM is required to enable the Thermostat function via the IFT-RC150 or IFT-RC400.
9. Locate the IFT-WFM port on the end of the IFT-ECM. Remove and discard the rubber cover from the IFT-ECM port.

10. Connect the IFT-WFM to the IFT-ECM by aligning the pins and tabs and pushing the IFT-WFM into the IFT-ECM until both tabs snap into position. Ensure the two components are fastened securely to one another. See Figure 5.

11. Restore power to the appliance.

12. Move the selector switch on the IFT-ECM back to 'Remote' position. The IFT-ECM will beep and display three green LED flashes. On the IFT-ECM, locate the 'PILOT' button then press and hold for ten seconds. The IFT-ECM will emit an audible acknowledgement of the request to setup the device. After the audible acknowledgement release the pilot button. The WFM LED will long flash red followed by quick green flash and quick red flash. Once the LED on the IFT Wi-Fi module begins to flash green an open WiFi access point will be available. You can confirm the open access point by seeing the IntelliFire_XXXX network in the available Wi-Fi networks on your smart device.

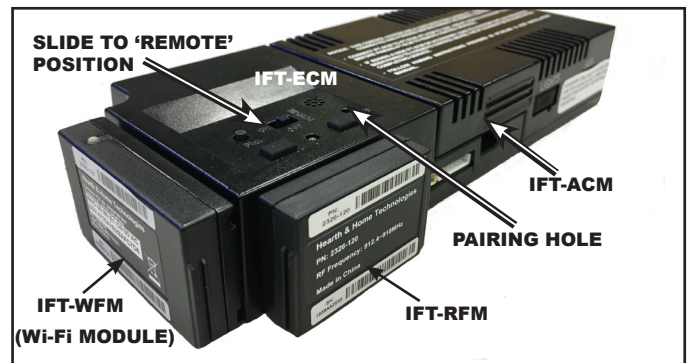


Figure 5 IFT Control System

Note: The IFT-RFM is still required for use with a remote to enable the thermostat function. The room temperature is measured by a sensor in the IFT-RC150 and/or IFT-RC400 remote control. Without a paired remote, the TEMP function in the app will not function correctly.

13. Follow the pairing instructions for your remote and/or accessories (e.g. IFT-RC400 and IFT-RC150).

Note: You must re-pair the ECM to detect any features added to the IFT-ACM, including an IFT-RC400 and/or IFT-RC150 .

Note: If you do not have an IFT-ACM and remote control, you do not need to pair.

14. Once these steps are complete, your IFT-ECM/IFT-WFM is ready for setup with the IntelliFire app using the IntelliFire App Installation Instructions and User Guide.

FCC Compliance 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 of the device.

FCC Warning

Note: 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: The Federal Communications Commission warns that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Canadian DOC Notice

This digital apparatus does not exceed the (Class A/ Class B) limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

Canadian IC Notice

This device complies with RSS-210 of Industry and Science Canada. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Please contact your Hearth & Home Technologies dealer with any questions or concerns.
For the location of your nearest
Hearth & Home Technologies dealer,
please visit www.hearthnhome.com.