

ecobee ecobee4 Smart Wi-Fi Thermostat

ecobee ecobee4 Smart Wi-Fi Thermostat PRO User Manual

Model: ecobee4 Smart Wi-Fi Thermostat (EB-STATE4P-01)

1. INTRODUCTION

Welcome to the ecobee ecobee4 Smart Wi-Fi Thermostat PRO user manual. This guide provides comprehensive instructions for setting up, operating, and maintaining your ecobee4 thermostat. The ecobee4 is a smart Wi-Fi thermostat featuring a built-in Amazon Alexa Voice Service and includes a room sensor to help manage temperature variations throughout your home, ensuring comfort where it matters most.



Image 1.1: The ecobee4 Smart Wi-Fi Thermostat (left) and its accompanying wireless room sensor (right). The thermostat features a black circular display with temperature readings and control icons.

2. WHAT'S IN THE BOX

Your ecobee4 package should contain the following items:

- ecobee4 Smart Wi-Fi Thermostat
- Wireless Room Sensor (1 included)
- Power Extender Kit (PEK) (if required for your HVAC system)
- Mounting Plate
- Trim Plate (optional, for covering marks from old thermostat)
- Screws and Drywall Anchors
- Wire Labels
- Installation Guide

3. SETUP AND INSTALLATION

3.1 Pre-Installation Checklist

- **Compatibility:** Ensure your HVAC system is compatible. Most 24 VAC heating and cooling systems are supported.
- **Power:** The ecobee4 requires a C-wire (common wire) for continuous power. If you do not have a C-wire, the included Power Extender Kit (PEK) can be used.

- **Tools:** You may need a screwdriver, drill, and wire strippers.
- **Wi-Fi:** Ensure you have a 2.4 GHz Wi-Fi network available.

3.2 Installation Steps

1. **Turn off Power:** Locate your HVAC system's circuit breaker and turn off the power to your heating and cooling system.
2. **Remove Old Thermostat:** Carefully remove your old thermostat from the wall. Take a picture of the wiring for reference.
3. **Label Wires:** Use the provided wire labels to mark each wire connected to your old thermostat.
4. **Install Mounting Plate:** Mount the ecobee4 backplate to the wall using the provided screws and anchors. If needed, use the trim plate to cover any wall imperfections.
5. **Connect Wires:** Connect the labeled wires to the corresponding terminals on the ecobee4 backplate. If you are using the PEK, follow the specific instructions in the PEK guide.
6. **Attach Thermostat:** Snap the ecobee4 display onto the mounted backplate.
7. **Restore Power:** Turn the power back on at your circuit breaker.

3.3 Initial Configuration

1. **On-Screen Setup:** Follow the on-screen prompts on your ecobee4 to configure basic settings, including language, date, and time.
2. **Wi-Fi Connection:** Connect your ecobee4 to your home Wi-Fi network. This is essential for smart features and remote control.
3. **Register Account:** Create an ecobee account via the ecobee app or website to register your thermostat.
4. **Room Sensor Placement:** Place the wireless room sensor in a frequently used room, away from drafts, direct sunlight, or heat sources, to help balance temperatures.

4. OPERATING YOUR ECOBEE4

4.1 Touchscreen Interface

The ecobee4 features a 3.5-inch full-color display. You can adjust settings by tapping and swiping on the screen.

- **Temperature Adjustment:** Tap the temperature display and use the up/down arrows to change the setpoint.
- **System Mode:** Access system modes (Heat, Cool, Auto, Off) from the main screen menu.
- **Fan Control:** Manually control the fan (On, Auto) from the main screen menu.
- **Quick Changes:** Temporarily override your schedule or hold a temperature.

4.2 Amazon Alexa Voice Service

The ecobee4 has built-in Amazon Alexa Voice Service. Simply say "Alexa" followed by your command.



Image 4.1: The ecobee4 thermostat displaying a voice command interaction, showing "Alexa, set a timer for 30 seconds." and "30 seconds, starting now."

- **Temperature Control:** "Alexa, set the thermostat to 72 degrees."
- **Information:** "Alexa, what's the weather?"
- **Music & More:** Play music, set timers, or ask general questions.

4.3 Mobile App Control

Download the ecobee app for iOS or Android to control your thermostat remotely, manage schedules, and monitor energy usage.

Control from **anywhere.**



Image 4.2: An ecobee4 thermostat alongside a smartphone displaying the ecobee mobile application, illustrating remote control capabilities.

- **Remote Access:** Adjust settings from anywhere with an internet connection.
- **Scheduling:** Create and modify heating and cooling schedules.
- **Energy Reports:** View detailed reports on your energy consumption.
- **Smart Home Integration:** The ecobee4 integrates with various smart home platforms.

Compatible with your favorite smart home integrations.

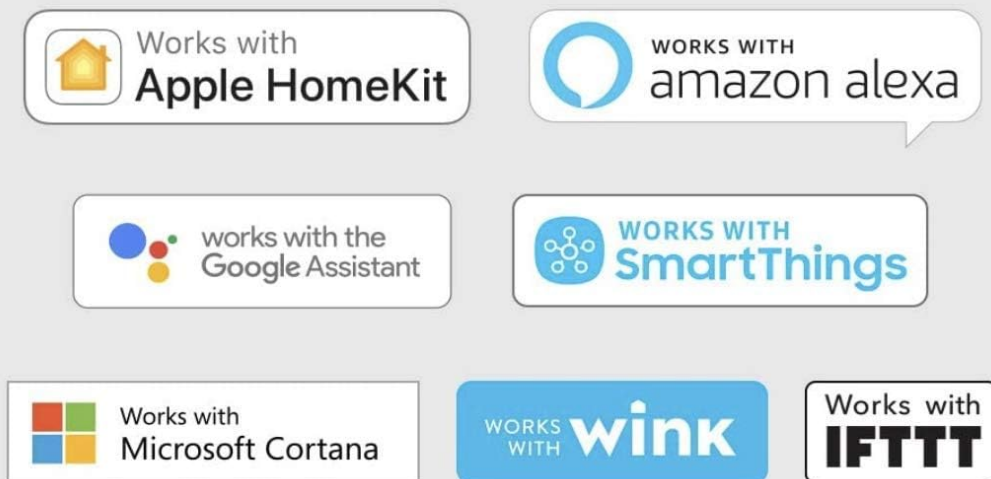


Image 4.3: Logos indicating compatibility with various smart home systems including Apple HomeKit, Amazon Alexa, Google Assistant, SmartThings, Microsoft Cortana, Wink, and IFTTT.

5. MAINTENANCE

5.1 Cleaning Your Thermostat

- Wipe the screen and body with a soft, damp cloth.
- Do not use abrasive cleaners or solvents.
- Ensure the thermostat is powered off before cleaning if possible.

5.2 Room Sensor Care

- Keep the sensor free from dust and obstructions.
- Replace the sensor battery (CR2032 coin cell) when indicated by the thermostat or app.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Thermostat has no power/blank screen.	No C-wire connection, tripped circuit breaker, loose wiring.	Check circuit breaker. Verify C-wire connection or PEK installation. Ensure all wires are securely connected.
Cannot connect to Wi-Fi.	Incorrect Wi-Fi password, out of range, router issue, 5 GHz network.	Double-check password. Ensure thermostat is within Wi-Fi range. Restart router. Confirm you are connecting to a 2.4 GHz network.
Alexa is not responding.	Microphone off, Wi-Fi disconnected, Alexa service issue.	Check if the microphone is enabled on the thermostat. Verify Wi-Fi connection. Restart the thermostat.
Inaccurate temperature readings.	Sensor placement, drafts, direct sunlight.	Relocate room sensor away from heat sources, drafts, or direct sunlight. Ensure thermostat is not near heat-emitting devices.

For further assistance, please refer to the support section or contact ecobee customer service.

7. SPECIFICATIONS

Brand: ecobee

Model Name: ecobee4 Smart Wi-Fi Thermostat

Part Number: EB-STATE4P-01

UPC: 627988401102

Color: Black

Display Type: Digital, 3.5 Inches Full color Display

Connectivity Technology: Wi-Fi

Controller Type: Amazon Alexa, Apple HomeKit, IFTTT, SmartThings

Special Feature: Built-in Amazon Alexa Voice Service, Far field voice technology

Included Components: Wireless room sensor (1 included)

Power Source: AC/DC (requires C-wire or Power Extender Kit)

Item Weight: Approximately 0.96 ounces (thermostat unit)

Product Dimensions: 7.68 x 3.9 x 9.96 inches (packaging dimensions, actual unit is smaller)

Mounting Type: Wall Mount

Battery Cell Type (Room Sensor): Alkaline (CR2032)

8. WARRANTY AND SUPPORT

8.1 Product Warranty

The ecobee ecobee4 Smart Wi-Fi Thermostat PRO comes with a **3-year warranty**. Please retain your proof of purchase for warranty claims. For full warranty terms and conditions, refer to the official ecobee website or the documentation included with your product.






8.2 Customer Support

For technical support, troubleshooting assistance, or general inquiries, please visit the official ecobee support

website or contact their customer service team. You can often find FAQs, video tutorials, and contact information on their website.

Online Support: www.ecobee.com/support

Related Documents - ecobee4 Smart Wi-Fi Thermostat

	<p>ecobee Smart Thermostats and Accessories ecobee3 Lite Pro, ecobee4 Pro, EMS Si</p> <p>Explore the range of ecobee smart thermostats, including the ecobee3 Lite Pro, ecobee4 Pro, and ecobee EMS Si, along with accessories like Room Sensors and Power Extender Kits. Features, specifications, and comparisons.</p>
	<p>How to Install Your ecobee Smart Thermostat</p> <p>A step-by-step guide to installing your ecobee smart thermostat, including instructions for systems with and without a C wire, and troubleshooting tips.</p>
	<p>Carrier ecobee Smart Thermostat Pro & lite Pro Advanced Installation and Configuration Guide</p> <p>Comprehensive guide for professional installers on advanced installation and configuration of Carrier ecobee Smart Thermostat Pro and ecobee3 lite Pro models, covering wiring, setup, and system optimization.</p>
	<p>Lennox iComfort Wi-Fi Thermostat Quick Start Guide and Installation Instructions</p> <p>This document provides installation instructions for the Lennox iComfort Wi-Fi Thermostat, covering setup, wiring, and mounting procedures. It details safety precautions, system compatibility, and connection diagrams for various HVAC configurations, ensuring proper installation and operation of the smart thermostat.</p>
	<p>Ebeco EB-Therm 500 User Manual</p> <p>Comprehensive user manual for the Ebeco EB-Therm 500 floor heating thermostat, covering installation, operation, features, and troubleshooting. Learn about energy-saving programs, adaptive functions, and Wi-Fi connectivity.</p>



[ISNATCH HeySmart Wi-Fi Thermostat: Setup, Safety, and Connectivity Guide](#)

Comprehensive guide for the ISNATCH HeySmart Wi-Fi Thermostat, covering app installation, device setup, Wi-Fi connection, voice assistant integration (Google Assistant, Amazon Alexa), safety instructions, and declaration of conformity.