

ZigBee® Module for Smart Si Instruction Manual



At ecobee, we're not just all about thermostats – we're about energy solutions. That's why we've created a ZigBee® Module that adds Home Automation capabilities to your ecobee Smart Si thermostat.

The ZigBee Module can also be used with Smart Energy systems, if supported by your local utility. Contact your local utility for availability.

Home Automation Features

The ZigBee Module lets your Smart Si thermostat communicate with ecobee Smart Plugs, Zigbee-enabled electrical outlets that you can control from your Smart Si thermostat. Once installed, you can view each Smart Plug's energy consumption and weekly program, and turn each plug on or off from your personalized Web Portal.

You only need one ZigBee Module per thermostat – it can connect to multiple Smart Plugs (up to 32).

Step 1. Check Thermostat Software

To use the ZigBee Module, your Smart Si thermostat needs to be running software version 3.1.0.774 or later. Software updates occur automatically, if required, when the Smart Si thermostat is connected to the Internet. If you are running an earlier software version, contact ecobee customer service (email support@ecobee.com or call 877-932-6233) to receive a free upgrade.

To verify the software version you are running:

1. From Home screen, press **MENU**.
2. Select **About ▶ Version** and then press **OK**.

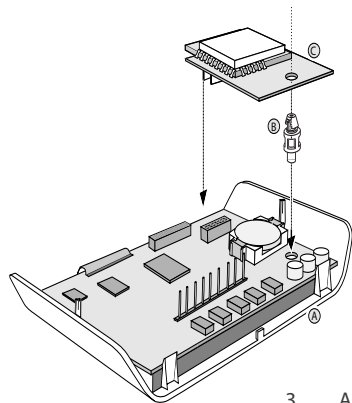
Step 2. Install ZigBee Module

The Smart Si thermostat has a keyed connector, located near the battery, designed for the ZigBee Module.

To install the ZigBee Module:



This equipment is sensitive to electrostatic discharge (ESD). Before starting, discharge your body of static electricity by touching a grounded metal object. Always hold the devices by their edges and do not touch any of the internal components.



1. Using a flat-head screw driver, gently separate the Smart Si thermostat from its wall-mounted backplate. Once removed, lay the thermostat on a flat surface, with the internal components facing up.
2. Insert the plastic stand-off **B** that comes with the ZigBee Module **C** into the round hole in the thermostat circuit board, just above the battery.

3. Align the connector of the ZigBee Module to the connector on the Smart Si thermostat and gently push into place. The stand-off will secure the module and ensure it does not move.
4. Make sure the top of the plastic stand-off snaps through the ZigBee module, as shown in the illustration on the right.
5. Attach the Smart Si thermostat back onto the backplate on the wall.



Step 3. Install Smart Plug Into Outlet (Optional)

If you already have a Smart Plug, plug it into a standard household electrical outlet, then plug in a light or appliance. Ensure that the switch on the actual light or appliance is left in the ON position. Consult your Smart Plug Manual for information about placing the plug into network discovery mode.

Step 4. Set Up ZigBee Network

To use Smart Plugs, you will need to set up a ZigBee Home Automation network with your ecobee Smart Si thermostat.

Home Automation Options

Congratulations! Your ZigBee Home Automation network is now set up.

To view Home Automation details:

1. From the Home screen, press **MENU**.
2. Select **Settings** ► **Home Automation** and then press **OK**.

From the Home Automation menu, you can:

- View technical information about the network.
- View devices (i.e. Smart Plugs) currently connected to the network.
- Add new devices to the network
- Remove devices from the network.

Consult your *Smart Plug Instruction manual* for detailed information about configuring and using Smart Plugs. For general information about using your thermostat, consult your *Smart Si thermostat User Manual*.

3-Year Limited Warranty

ecobee warrants that for a period of three (3) years from the date of purchase by the consumer ("Customer"), the ecobee ZigBee Module for Smart Si (the "Product") shall be free of defects in materials and workmanship under normal use and service. During the warranty period, ecobee shall, at its option, repair or replace any defective products, at no charge. Any replacement and/or repaired device are warranted for the remainder of the original warranty or ninety (90) days, whichever is longer.

If the product is defective, contact the supplier from whom the product was purchased to obtain an equivalent replacement product, provided the supplier determines that the returned Product is defective and the Customer is otherwise eligible to receive a replacement product; This warranty does not cover removal or reinstallation costs and shall not apply if the damages were found to be caused by something other than defects in materials or workmanship, including without limitation, if the product:

- was operated/stored in abnormal use or maintenance conditions;
- is repaired, modified or altered, unless ecobee expressly authorizes such repair, modification or alteration in writing;
- was subject to abuse, neglect, electrical fault, improper handling, accident or acts of nature;
- was installed improperly.

ecobee's sole responsibility shall be to repair or replace the Product within the terms stated above. ECOBEE SHALL NOT BE LIABLE FOR ANY LOSS OR DAMAGE OF ANY KIND, INCLUDING ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING, DIRECTLY OR INDIRECTLY, FROM ANY BREACH OF ANY WARRANTY, EXPRESS OR IMPLIED, OR ANY OTHER FAILURE OF THIS PRODUCT. Some US states and Canadian provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. ecobee's responsibility for malfunctions and defects in materials and workmanship is limited to repair and replacement as set forth in this warranty statement. All express and implied warranties for the product, including but not limited to any implied warranties and conditions of merchantability and fitness for a particular purpose, are limited to the three-year duration of this limited warranty. No warranties, whether express or implied, will apply after the limited warranty period has expired. Some US states and Canadian provinces do not allow limitations on how long an implied warranty lasts, so this limitation may not apply. ecobee neither assumes responsibility for nor authorizes any other person purporting to act on its behalf to modify or to change this warranty, nor to assume for it any other warranty or liability concerning this product. This warranty gives you specific rights, and you may also have other rights which vary from jurisdiction to jurisdiction. If you have any questions regarding this warranty, please write ecobee Customer Service, 477 Richmond Street West, Suite 210, Toronto, Ontario M5V 3E7, Canada or contact customer service at 1-877-9-ecobee (32-6233).

To setup the ZigBee Home Automation network:

1. From the Home screen, press **MENU**
2. Select **Settings** ► **ZigBeeModule(Internal)** and then press **OK**.
3. Follow the prompts to configure Home Automation.

You may choose to add your smart plug at this time, as per the prompts or add the plug once the setup is complete.

Specifications

ZigBee

Profile: ZigBee Home Automation or Smart Energy 1.1

Environmental

For indoor use only.

Temperature: 32°F to 122°F (0 to 50°C)

Humidity: 5-85% RH (non-condensing)

Dimensions: 2' L x 1.25" W x 0.5" H
(51mm W x 32mm L x 13mm H)

Wireless

Frequency: 2.4GHz

Maximum Transmit Power: 100mW

Maximum Range: 100ft (30m)

Contains module FCC ID D12CT EM2506