

EnergyCenter[®]

Configuring EnOcean Devices

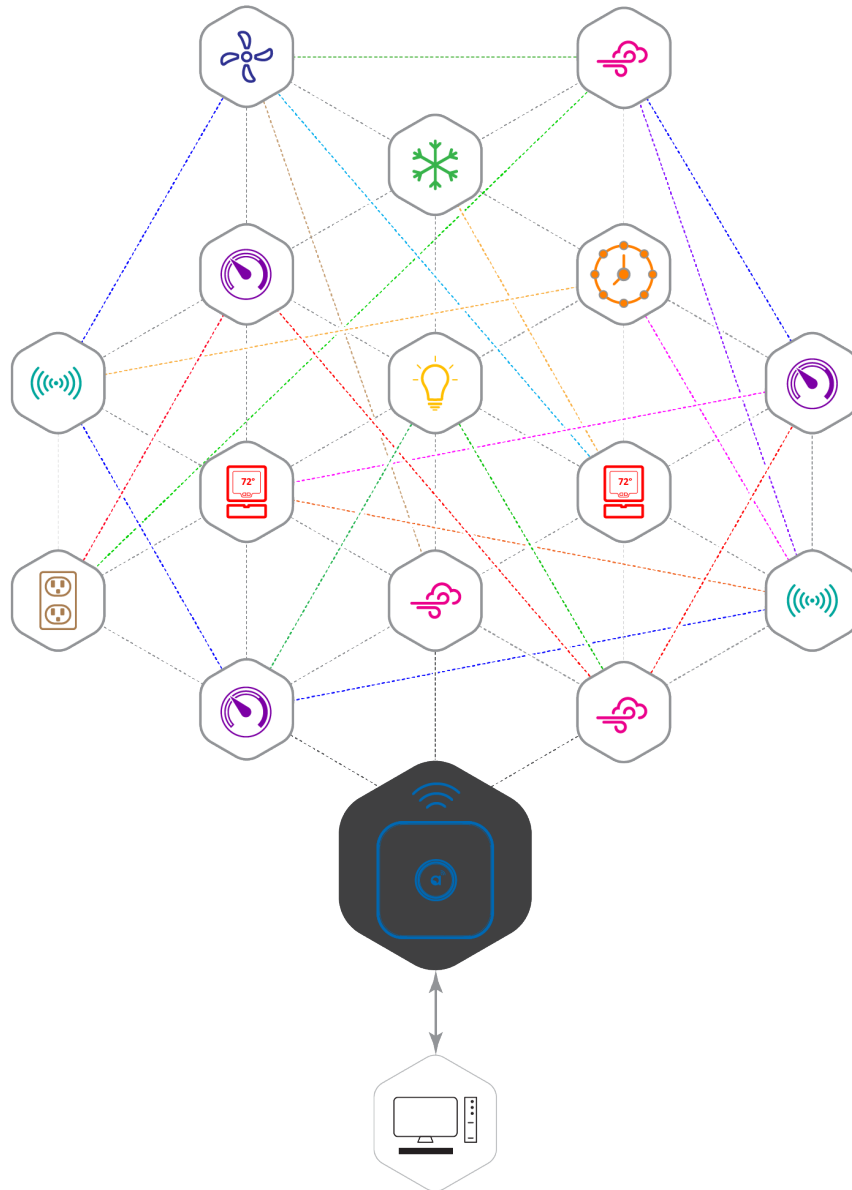


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1. Software Overview

The EnOcean Module of the EnergyCenter® software allows the wireless EnOcean devices to get integrated with EnergyCenter software and provide control over the Lighting & HVAC applications. Below is the list of EnOcean devices supported by EnergyCenter software.

- **Contact Sensor** – D5-00-01, Used to regulate lighting & HVAC activity based on whether or not there is activity in a space.
- **Light Sensor** – A5-06-02, Used to control the lighting intensity in an area, based on the ambient light available.
- **Occupancy Sensor** – A5-06-02, Used to regulate lighting activity based on whether or not there is activity in a space.
- **Rocker Pad** – F6-02-02 (Single or Double)
- **Temp/Humidity/CO2 Combo Sensor** – A5-09-04
- **Temp and Humidity Combo Sensor** – A5-04-01
- **Temp Sensor** – A5-02-05
- **EnOcean Bridge** - Acts as a communication bridge between the Autani System and EnOcean devices.
- **WRC, Wireless Relay Controller** – supporting device for EnOcean devices.

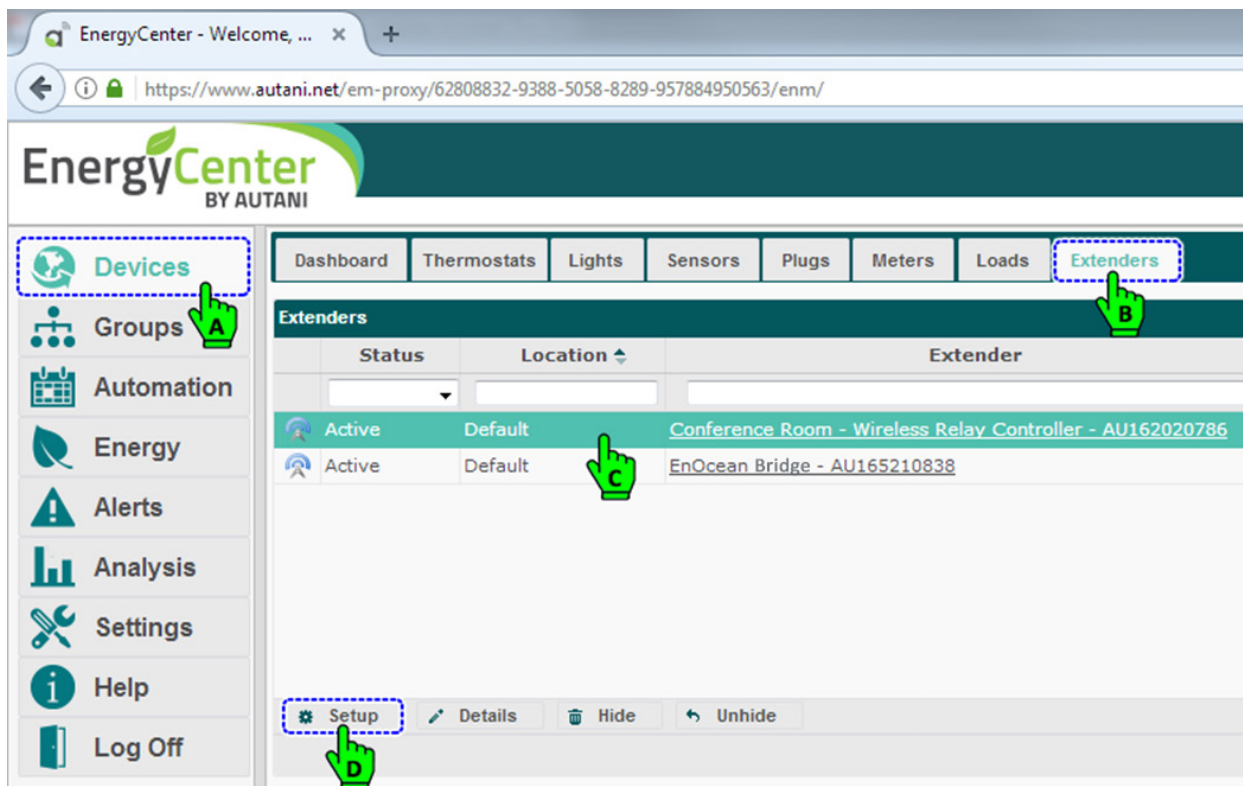
EnOcean devices are typically set up and configured by the technician when installing them.

2. Adding EnOcean Sensors to the System

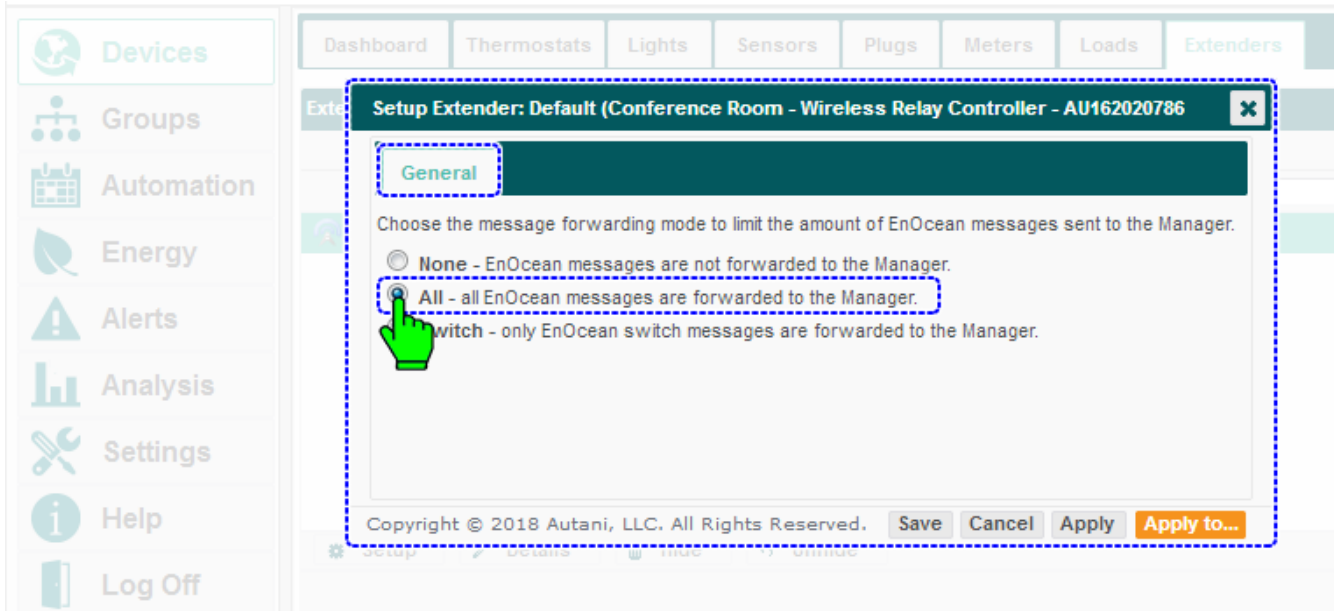
2.1. Enable Pass-through Feature

Before proceeding, ensure the Pass-through feature of the WRC or Bridge is enabled to use all the EnOcean sensors that Autani has certified capability with. This will allow all the EnOcean sensors to be discovered by the WRC or Bridge, and then the sensors can be configured through the EnergyCenter® software.

1. Click **Devices > Extenders** tab, select your **WRC or Bridge** from the list of devices, and click **Setup** to configure.

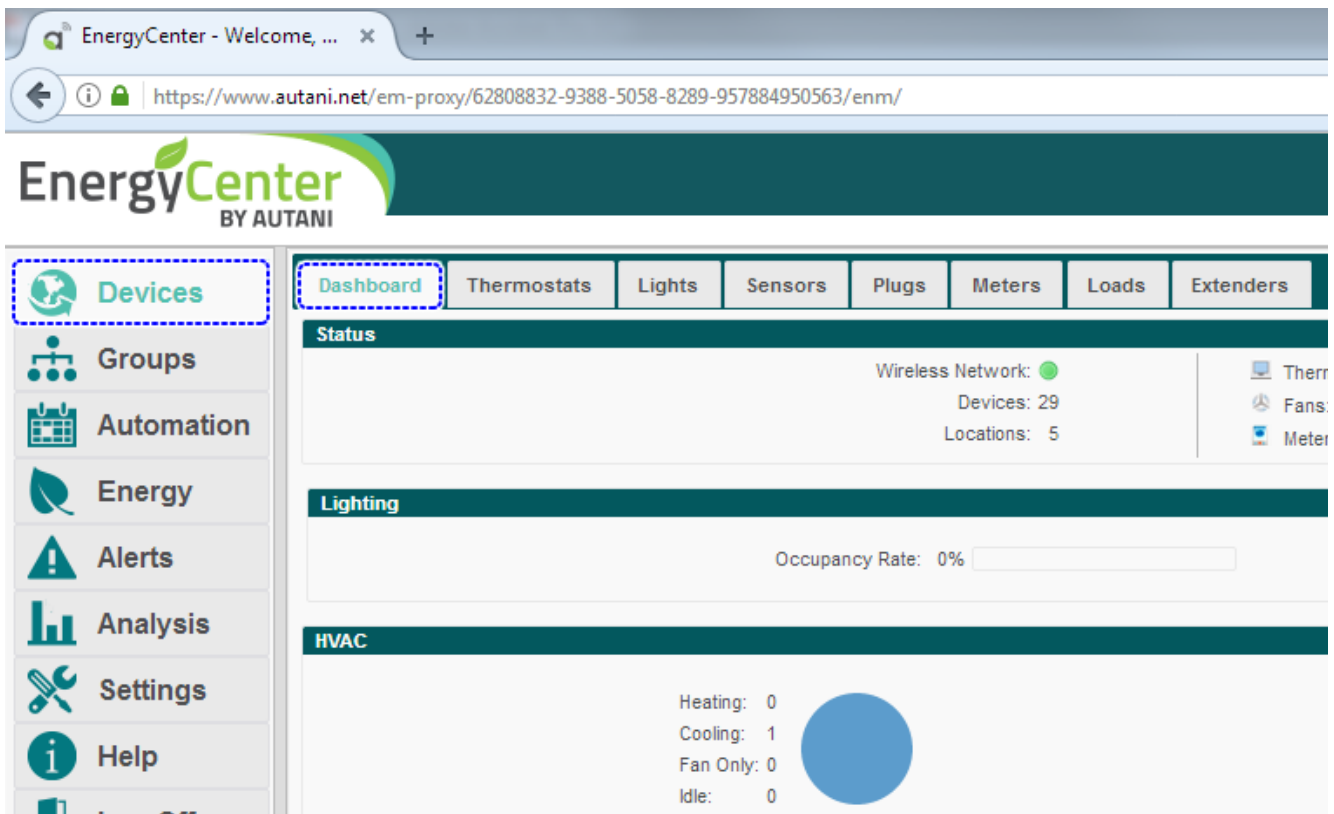


- The **Setup Extender** pop-up menu appears with three options for the Passthrough feature. The user can choose to limit the amount of EnOcean messages sent to the Autani Manager/CORE.
 - Select the option **All - all EnOcean messages are forwarded to the Manager** to forward all the messages. **Save & Apply** the settings.



2.2. Adding EnOcean Sensors inside the EnergyCenter®

- NOTE:** The wireless EnOcean sensors/accessories are within the 80 feet line of sight to the WRC or Bridge will be automatically discovered by EnergyCenter®, and those can be added to your system.
- Login to the Autani web portal using the credentials provided when the devices were purchased.
- By default, the browser will load the **Device** page with the **Dashboard** data. (For more information on the User Interface, please refer to the **Help** section of EnergyCenter®.)



4. Click **Settings > Device Setup > EnOcean Device Management**.

The screenshot shows the EnOcean Device Management interface. On the left is a vertical navigation menu with icons and labels for: Devices, Groups, Automation, Energy, Alerts, Analysis, **Settings** (highlighted with a dashed blue box and a green hand icon labeled 'A'), Help, and Log Off. The main content area has a top navigation bar with tabs: Site, Contractor, System, Data Maintenance, Energy, Security, and **Device Setup** (highlighted with a dashed blue box and a green hand icon labeled 'B'). Below the tabs, the status bar shows: Network: SALES_02 | Channel: 22 | Status: Network Up | Allow Join: Yes | Devices: 10. The main content area is titled "Welcome to the Device Setup Assistant" and contains a grid of buttons under the heading "Easy Setup": Add Device(s), View Wireless Network, Network Status, Replace Device, Wireless Routes, Network Settings, Remove Device, Wireless Settings, Name Device(s), Identify Device(s), System Restore, and Device Configuration. At the bottom, there are three buttons: **EnOcean Device Management** (highlighted with a dashed blue box and a green hand icon labeled 'C'), BACnet Browser, and BACnet Device Management.

5. The **EnOcean Device Management** page lists all the EnOcean devices within the range of your WRC or Bridge.

The screenshot shows the "EnOcean Device Management" page. The left navigation menu is the same as in the previous screenshot, with "Settings" highlighted. The main content area has a title "EnOcean Device Management" (highlighted with a dashed blue box) and a subtitle "EnOcean devices found by your appliance:". Below this is a table with the following columns: Type, Address, Added, and Location. The table contains 12 rows of data, all with the type "Teach-In Required". At the bottom of the table are four buttons: Refresh, Set Device Type, Add Device(s), and Delete Device(s). A note at the bottom states: "Note: Your appliance has 5 registered EnOcean devices and is licensed to support up to 5."

| Type | Address | Added | Location |
|--|-------------|--------------------------|----------|
| <input type="checkbox"/> Teach-In Required | 05:02:74:4E | <input type="checkbox"/> | |
| <input type="checkbox"/> Teach-In Required | 01:98:D5:79 | <input type="checkbox"/> | |
| <input type="checkbox"/> Teach-In Required | 05:02:71:E7 | <input type="checkbox"/> | |
| <input type="checkbox"/> Teach-In Required | 01:88:A1:DC | <input type="checkbox"/> | |
| <input type="checkbox"/> Teach-In Required | 05:02:72:DF | <input type="checkbox"/> | |
| <input type="checkbox"/> Teach-In Required | 05:02:75:0F | <input type="checkbox"/> | |
| <input type="checkbox"/> Teach-In Required | 01:89:A7:CC | <input type="checkbox"/> | |
| <input type="checkbox"/> Teach-In Required | 05:02:74:4B | <input type="checkbox"/> | |
| <input type="checkbox"/> Teach-In Required | 01:80:B0:76 | <input type="checkbox"/> | |
| <input type="checkbox"/> Teach-In Required | 05:02:74:D2 | <input type="checkbox"/> | |
| <input type="checkbox"/> Teach-In Required | 05:02:74:D1 | <input type="checkbox"/> | |
| <input type="checkbox"/> Teach-In Required | 05:02:74:B7 | <input type="checkbox"/> | |

- Search/find a **Sensor** in the list using Serial Number/Address. Select a sensor and click on **Set Device Type** to set the type of sensor. (NOTE: The user can skip setting the device type if the sensor is already set with a device type while pairing locally, or if it is set inside the Sensor tab.)

The screenshot shows the 'EnOcean Device Management' page. The browser address bar contains 'https://www.autani.net/em-proxy/62808832-9388-5058-8289-957884950563/enm/'. The search bar in the top right contains '05:11:56:1C'. The left sidebar has a 'Settings' menu item highlighted. The main table lists several 'Teach-In Required' devices. The row with address '05:11:56:1C' is selected. Below the table, the 'Set Device Type' button is highlighted with a red box and a green cursor.

| Type | Address | Added | Location | Desc |
|---|-------------|--------------------------|----------|------|
| <input type="checkbox"/> Teach-In Required | 05:02:74:4E | <input type="checkbox"/> | | |
| <input type="checkbox"/> Teach-In Required | 01:98:D5:79 | <input type="checkbox"/> | | |
| <input type="checkbox"/> Teach-In Required | 05:02:71:E7 | <input type="checkbox"/> | | |
| <input type="checkbox"/> Teach-In Required | 01:88:A1:DC | <input type="checkbox"/> | | |
| <input type="checkbox"/> Teach-In Required | 05:02:72:DF | <input type="checkbox"/> | | |
| <input type="checkbox"/> Teach-In Required | 05:02:75:0F | <input type="checkbox"/> | | |
| <input checked="" type="checkbox"/> Teach-In Required | 05:11:56:1C | <input type="checkbox"/> | | |
| <input type="checkbox"/> Teach-In Required | 05:02:74:4B | <input type="checkbox"/> | | |
| <input type="checkbox"/> Teach-In Required | 01:80:B0:76 | <input type="checkbox"/> | | |
| <input type="checkbox"/> Teach-In Required | 05:02:74:D2 | <input type="checkbox"/> | | |
| <input type="checkbox"/> Teach-In Required | 05:02:74:D1 | <input type="checkbox"/> | | |
| <input type="checkbox"/> Teach-In Required | 05:02:74:B7 | <input type="checkbox"/> | | |

Buttons: Refresh, **Set Device Type**, + Add Device(s), Delete Device(s)

Note: Your appliance has 5 registered EnOcean devices and is licensed to support up to 5.

- The **Set Device Type** pop-up menu appears; select the type of sensor in this case (ex: **Occupancy Sensor - A5-07-01**) from the drop down list and click **Set** button to set the device type.

The screenshot shows the 'Set Device Type' pop-up menu. The dropdown list is open, showing various sensor types. 'Occupancy Sensor - A5-07-01' is selected. The 'Set' button is highlighted with a red box and a green cursor.

Set Device Type

Choose a new EnOcean device type for the selected devices:

- Contact Sensor - D5-00-01
- Light Sensor - A5-06-02
- Occupancy Sensor - A5-07-01**
- Relay - A5-11-01
- Rocker Pad - F6-02-01
- Temp/Humidity/CO2 Combo Sensor - A5-09-04
- Temp and Humidity Combo Sensor - A5-04-01
- Temp Sensor - A5-02-05

Buttons: Set, Cancel

8. With the Temp Sensor still selected, click **Add Device(s)** button to add the Temp Sensor to EnergyCenter® System. **NOTE:** If the sensor is added, the check box in the **Added** column should be in checked state, or else click the **Refresh** button for the checked state to appear, confirming the addition of sensor to the system.

| <input type="checkbox"/> | Type | Address | Added | Location | Description |
|-------------------------------------|-------------------|-------------|-------------------------------------|----------|-------------|
| <input type="checkbox"/> | Teach-In Required | 05:02:74:4E | <input type="checkbox"/> | | |
| <input type="checkbox"/> | Teach-In Required | 01:98:D5:79 | <input type="checkbox"/> | | |
| <input type="checkbox"/> | Teach-In Required | 05:02:71:E7 | <input type="checkbox"/> | | |
| <input type="checkbox"/> | Teach-In Required | 01:88:A1:DC | <input type="checkbox"/> | | |
| <input type="checkbox"/> | Teach-In Required | 05:02:72:DF | <input type="checkbox"/> | | |
| <input type="checkbox"/> | Teach-In Required | 05:02:75:0F | <input type="checkbox"/> | | |
| <input checked="" type="checkbox"/> | Occupancy Sensor | 05:11:56:1C | <input checked="" type="checkbox"/> | | |
| <input type="checkbox"/> | Teach-In Required | 05:02:74:4B | <input type="checkbox"/> | | |
| <input type="checkbox"/> | Teach-In Required | 01:80:B0:76 | <input type="checkbox"/> | | |
| <input type="checkbox"/> | Teach-In Required | 05:02:74:D2 | <input type="checkbox"/> | | |
| <input type="checkbox"/> | Teach-In Required | 05:02:74:D1 | <input type="checkbox"/> | | |
| <input type="checkbox"/> | Teach-In Required | 05:02:74:B7 | <input type="checkbox"/> | | |

9. **NOTE:** if you choose device type as **Rocker Pad**, and when you click on the **Add Devices** button, you will be prompted to choose single or double rocker-pad. Click the one relevant.

NOTE: For the information on Commissioning the EnOcean devices, please refer to the User Manuals of WRC (Wireless Relay Controller) and EnOcean Bridge, available on Autani website (www.autani.com).



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