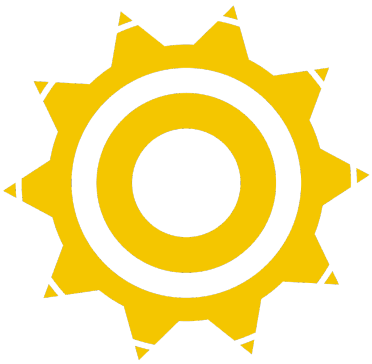

BROOKLYN
SOLARWORKS

SYSTEM GUIDE

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Table of Contents

1. Hardware

Sitesage monitoring hardware consists of two components. The Energy Monitor is housed in your main circuit panels and has wiring which measures the current going to various circuits in your house, including your solar array. The Gateway collects data from the Energy Monitor and transmits it to your home network, either via wifi or a hardwire connection. It will generally be located near your main electrical panel, near your internet router or other network equipment, or somewhere in between.

eMonitor4
14 circuits

Gateway

The Gateway has three LEDs. The center light will light up whenever the gateway is plugged in. The Link light indicates the gateways connection to your internet. If it's lit up the gateway is successfully online. The Data light indicates the Gateway's connection to the Energy Monitor in the main electric panel. It should either be lit up, or it will blink once a minute if connected. If neither of those occur the Gateway needs to be moved closed to the main electric panel.

2. Gateway Communications Options

The Gateway can connect to most standard 2.4 GHz wifi networks, which is the preferable communication method where available. BrooklynSolarworks will connect your Gateway to your wifi network initially, but may ask for your assistance to reconnect

should you change your wifi equipment or password in the future. Those instructions can be found in Section 3.

When a wifi network does not reach or has low signal strength at the location of the Gateway, Brooklyn Solarworks may install a wifi booster to extend the range of the existing wifi network. The booster plugs into an outlet and is positioned between your router and the Gateway. The booster connects to the router and broadcasts another wifi network with the same name as the existing wifi network with "_EXT" appended to the end and has the same password as the existing wifi network. The Gateway is then connected to the booster's stronger network.

In some cases, the Gateway may be hardwired directly to your network. If you get a new router or other network equipment, just plug the Gateway back into an available port.

3. Connecting/Reconnecting a Gateway to a WiFi Network

1) On the Gateway (blue/gray box pictured – yours may have a BSW sticker on it) there is a small reset hole near the three LEDs. You'll need a paperclip or something similar to reach inside and press the button.

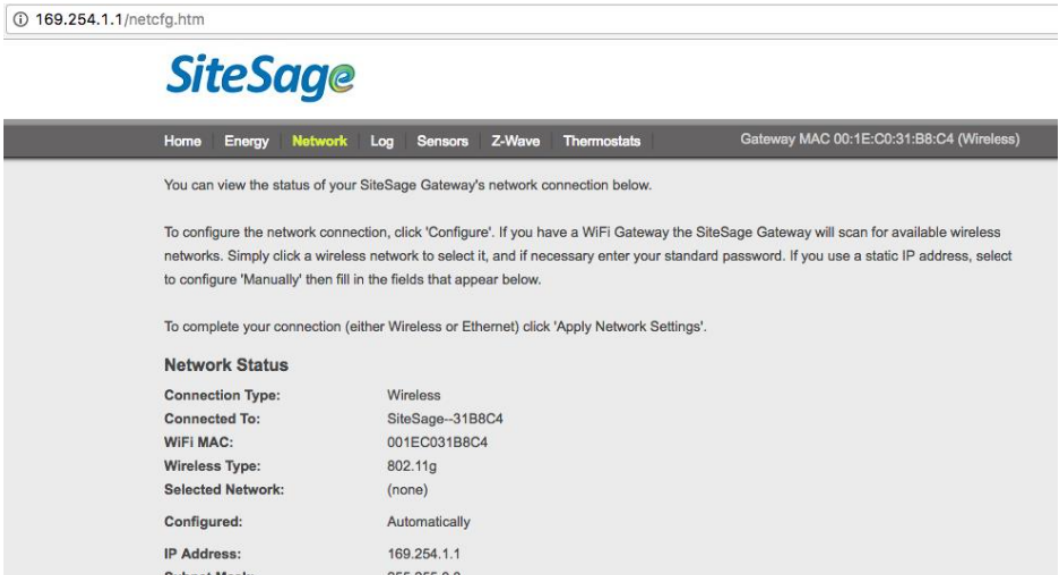
2) Press reset once and the lights on the gateway will blink for ~5 seconds, after that they'll stay solid green for 1-2 seconds. During that 1-2 seconds of solid green press reset once again. Two of the lights will go orange to confirm you've done it correctly.

3) After about a minute, the Link light on the gateway will start alternating red & green.

4) On a computer or laptop with wifi (does not work with a smart phone), search the list of available Wifi networks. One of them should now be "SiteSage" followed by a few numbers. Connect to it. Don't worry if you get any error or "no internet" messages while connecting. Depending on your device you may need to find an option to "Connect Anyway" or something similar, since the gateway isn't providing internet many computers will try to find another network instead.

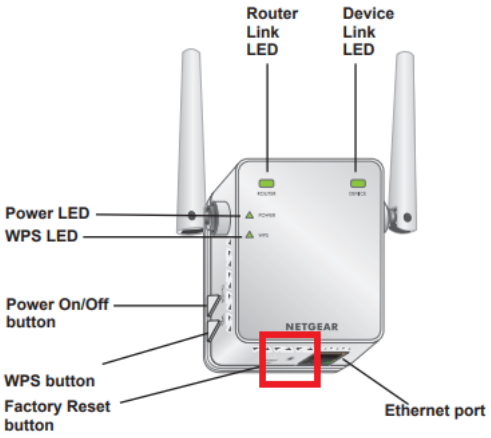
5) Once on the Gateway successfully, open a browser and type 169.254.1.1/netcfg.htm into the address bar and hit accept. It can take 2-3 minutes before the computer gets on the network, so

hit refresh for a bit if needed. You should now be on the SiteSage gateway page. Below is a picture of what it looks like.



6) Scroll down and hit the orange “Configure” button. You'll see a list of Wifi networks within range. Select your network and you'll be prompted to enter the password. Do so, then click Apply Settings below that section. The gateway should connect to the network within 5-10 minutes.

4. Updating/Resetting a WiFi Booster



If you have a wifi booster that we installed, we may ask you to check its status or reset/reboot it if there are communication problems with your system. The booster has two large LEDs labeled Router and Device, which indicate whether a connection is active to your Router and to the Gateway (Device). A green light indicates a strong connection, orange/red are poor, and no light indicates the connection has dropped.

To reboot the wifi booster, simply unplug it from the wall, wait 30 seconds, then plug it back in.

If you have changed your wifi network or password, we will ask you to reconfigure your booster. To do so, you just need a paperclip and a smartphone/laptop. You must reconfigure the booster prior to setting up your solar equipment, since the booster rebroadcasts your existing wifi network to make the signal stronger wherever your solar equipment is located.

1. While the booster is still plugged into the wall, insert a paperclip into the Factory Reset pinhole and hold the button down for about 7 seconds. Specifically, a small light on the front will turn orange while the button is pressed, when that light turns off, you can release the button.
2. After about 1-2 minutes, the device will have finished rebooting and you should see a new wifi network called NETGEAR_EXT. Join that network (it should not require a password). If you don't see that network on your list, repeat step 1.
3. Once connected to the NETGEAR_EXT network, your device may automatically take you to a webpage to set it up. If not, open a web browser (chrome, safari, etc.) and go to mywifiext.net. If that page doesn't load, try 192.168.1.250 instead, which should always work. No matter which of those methods work, you should arrive on a page with a button that says 'New Extender Setup'. Click that to proceed.
4. The booster requires an email and password to set up, as well as some security questions. These are just to prevent someone else from logging on to the booster later and changing settings, which isn't really a concern, so you can use any email and password you like, and don't worry about the questions, just fill in anything. You shouldn't ever need them again after you finish this process. **In the following steps, if you get kicked off the webpage before you finish step 7, you can return to mywifiext.net or 192.168.1.250 and will need to type in the email address and password you've set in this step.**
5. Press Next to continue and the following page should take 30 seconds to a minute to finish scanning, after which a list of nearby wifi networks will be listed. Find your existing wifi network and select it, then click Next. On the following page, enter your wifi password, then click Next.
6. On this page, you can set what the extender wifi network should be called. It will default to copy whatever you network is called with '_EXT' at the end. In most cases you can just leave it as the default. You can also choose to have it use the same password as your primary network, or set a different one. Again, we recommend leaving it as the default. click Next when you're done on this page.
7. The booster will now restart itself and kick you off of the NETGEAR_EXT network. You don't need to log back into it, just wait 30 seconds to a minute and the ROUTER light should light up. If the ROUTER light does not come on, it means you supplied the wrong password for your network, or the booster is too far away and needs to be moved closer to your router. If so, go back to step 1, resetting the booster, and start again.

8. You're now ready to move on to connecting your solar equipment to the newly created booster network, following the instructions in Section 3. If you check your phone/laptop's list of available wifi networks, you should see a new network with whatever name you chose in step 6, usually your main network with '_EXT' at the end. When you move on to the instructions for connecting your solar equipment, remember to connect to this new booster wifi network instead of your main network, since it should have a stronger signal.